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ภาคผนวก

รายละเอียดการวิเคราะห์ข้อมูลทางสถิติ

ส่วนที่ 1 วิเคราะห์ความแตกต่างระหว่างกลุ่มPrimary snoring และOSAS ชนิดรุนแรง (ใช้โปรแกรม SPSS 11.5)

ตารางแสดงข้อมูลสถิติเชิงพรรณาของข้อมูลทางประชากรศาสตร์

Descriptive Statistics

GENDER	RDI group		N	Minimum	Maximum	Mean	Std. Deviation
Male	RDI =<5	Age(x-ray)	17	26.00	73.00	42.9412	12.96375
		Weight	17	58.0	97.2	75.188	12.4704
		Height	17	1.59	1.96	1.7200	.08170
		BMI	17	21.56	32.23	25.3671	3.53770
		RDI	17	.50	4.71	2.7971	1.47652
		Valid N (listwise)	17				
	RDI >=30	Age(x-ray)	121	25.00	70.00	45.1653	10.29834
		Weight	121	53.5	180.0	83.264	17.4719
		Height	120	1.50	1.83	1.6945	.06245
		BMI	120	20.39	54.94	28.9055	4.90894
		RDI	121	30.00	117.00	53.7512	17.08005
		Valid N (listwise)	120				
Female	RDI =<5	Age(x-ray)	16	26.00	74.00	46.1250	11.76364
		Weight	16	44.0	76.8	61.700	11.9898
		Height	16	1.47	1.70	1.5606	.06598
		BMI	16	18.00	31.78	25.2960	4.44641
		RDI	16	.00	5.00	2.2625	1.61157
		Valid N (listwise)	16				

	RDI >=30	Age(x-ray)	36	36.00	80.00	56.5556	10.14310
		Weight	36	50.5	108.0	71.122	14.0334
		Height	36	1.47	1.76	1.5708	.06007
		BMI	36	21.22	43.26	28.7531	5.06241
		RDI	36	31.00	127.10	55.7206	23.41718
		Valid N (listwise)	36				

ตารางแสดงการทดสอบค่าเฉลี่ยข้อมูลทางประชากรศาสตร์ด้วยสถิติอินดิเพนเดนต์ ที-เทสต์

Independent Samples Test

GENDER			Levene's Test for Equality of Variances		t-test for Equality of Means						
										95% Confidence Interval of the Difference	
			F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
Male	Age(x-ray)	Equal variances assumed	1.949	.165	-.807	136	.421	-2.2241	2.75762	-7.67746	3.22924
		Equal variances not assumed			-.678	18.943	.506	-2.2241	3.28060	-9.09187	4.64365
	Weight	Equal variances assumed	.479	.490	-1.838	136	.028	-8.076	4.3929	-16.7635	.6111
		Equal variances not assumed			-2.364	25.781	.026	-8.076	3.4162	-15.1013	-1.0512
	Height	Equal variances assumed	.089	.766	1.513	135	.133	.0255	.01685	-.00783	.05883
		Equal variances not assumed			1.237	18.741	.231	.0255	.02062	-.01770	.06870
	BMI	Equal variances assumed	.803	.372	-2.864	135	.005	-3.5384	1.23537	-5.98160	-1.09523
		Equal variances not assumed			-3.655	25.662	.001	-3.5384	.96799	-5.52943	-1.54740

Female	Age(x-ray)	Equal variances assumed	.116	.735	-3.258	50	.002	-10.4306	3.20148	-16.86092	-4.00019
		Equal variances not assumed			-3.075	25.364	.005	-10.4306	3.39217	-17.41178	-3.44933
	Weight	Equal variances assumed	.110	.741	-2.331	50	.024	-9.422	4.0421	-17.5410	-1.3034
		Equal variances not assumed			-2.478	33.504	.018	-9.422	3.8020	-17.1530	-1.6914
	Height	Equal variances assumed	.205	.653	-.549	50	.586	-.0102	.01860	-.04756	.02715
		Equal variances not assumed			-.529	26.543	.601	-.0102	.01929	-.04983	.02941
	BMI	Equal variances assumed	.000	.990	-2.355	50	.022	-3.4571	1.46799	-6.40569	-.50860
		Equal variances not assumed			-2.477	32.622	.019	-3.4571	1.39555	-6.29766	-.61664

ตารางแสดงข้อมูลสถิติเชิงพรรณาของค่าพารามิเตอร์จากภาพรังสีในเพศชาย

Group Statistics(a)

	RDI group	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	RDI =<5	17	87.6765	2.92052	.70833
	RDI >=30	118	85.2797	3.77324	.34736
SNB_CALC	RDI =<5	12	83.3750	3.55557	1.02640
	RDI >=30	95	81.4368	3.79406	.38926
SGB_CALC	RDI =<5	12	13.7917	5.96756	1.72269
	RDI >=30	86	16.1105	7.23854	.78055
UPH_CALC	RDI =<5	9	9.3333	1.76777	.58926
	RDI >=30	82	9.4878	3.26691	.36077
ATP_CALC	RDI =<5	14	35.0357	3.70272	.98959
	RDI >=30	95	35.3632	4.12339	.42305
UTP_CALC	RDI =<5	14	41.8929	4.05339	1.08331
	RDI >=30	108	43.8380	5.03531	.48452
TBP_CALC	RDI =<5	12	49.1250	4.63742	1.33871
	RDI >=30	82	49.9268	5.46262	.60325
MPH_CALC	RDI =<5	12	14.4167	6.08214	1.75576
	RDI >=30	83	20.0663	6.40587	.70314
PAS_CALC	RDI =<5	12	11.6250	3.06835	.88576
	RDI >=30	81	12.9321	4.24614	.47179

a GENDER = Male

ตารางแสดงการทดสอบค่าเฉลี่ยพารามิเตอร์จากภาพรังสีในเพศชายด้วยสถิติอินดิเพนเดนต์ ที-เทสต์

Independent Samples Test(a)

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
SNA_CALC	Equal variances assumed	2.226	.138	2.510	133	.013	2.3968	.95495	.50795	4.28567
	Equal variances not assumed			3.038	24.427	.006	2.3968	.78891	.77008	4.02354
SNB_CALC	Equal variances assumed	.005	.942	1.678	105	.096	1.9382	1.15493	-.35186	4.22817
	Equal variances not assumed			1.766	14.357	.099	1.9382	1.09774	-.41077	4.28709
SGB_CALC	Equal variances assumed	1.179	.280	-1.059	96	.292	-2.3188	2.18929	-6.66451	2.02691
	Equal variances not assumed			-1.226	15.894	.238	-2.3188	1.89127	-6.33030	1.69270
UPH_CALC	Equal variances assumed	3.121	.081	-.139	89	.890	-.1545	1.11011	-2.36024	2.05130
	Equal variances not assumed			-.224	14.915	.826	-.1545	.69092	-1.62788	1.31893

ATP_CALC	Equal variances assumed	.326	.569	-.281	107	.779	-.3274	1.16647	-2.63983	1.98494
	Equal variances not assumed			-.304	18.102	.764	-.3274	1.07623	-2.58760	1.93272
UTP_CALC	Equal variances assumed	.210	.648	-1.387	120	.168	-1.9451	1.40277	-4.72250	.83229
	Equal variances not assumed			-1.639	18.631	.118	-1.9451	1.18673	-4.43230	.54209
TBP_CALC	Equal variances assumed	.718	.399	-.483	92	.630	-.8018	1.65994	-4.09861	2.49495
	Equal variances not assumed			-.546	15.832	.593	-.8018	1.46835	-3.91727	2.31361
MPH_CALC	Equal variances assumed	.045	.833	-2.872	93	.005	-5.6496	1.96682	-9.55532	-1.74388
	Equal variances not assumed			-2.987	14.760	.009	-5.6496	1.89132	-9.68657	-1.61263
PAS_CALC	Equal variances assumed	1.119	.293	-1.025	91	.308	-1.3071	1.27492	-3.83958	1.22538
	Equal variances not assumed			-1.302	17.929	.209	-1.3071	1.00357	-3.41612	.80193

a GENDER = Male

ตารางแสดงข้อมูลสถิติเชิงพรรณาของค่าพารามิเตอร์จากภาพรังสีในเพศหญิง

Group Statistics(a)

	RDI group	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	RDI =<5	16	86.4063	4.13610	1.03402
	RDI >=30	36	85.3611	3.54081	.59013
SNB_CALC	RDI =<5	14	81.6071	4.13790	1.10590
	RDI >=30	23	80.2609	2.93439	.61186
SGB_CALC	RDI =<5	14	17.8929	5.44617	1.45555
	RDI >=30	22	18.2955	4.95133	1.05563
UPH_CALC	RDI =<5	13	8.9231	2.27162	.63003
	RDI >=30	24	7.0833	2.54382	.51925
ATP_CALC	RDI =<5	15	34.1667	3.13771	.81015
	RDI >=30	25	32.7800	4.80469	.96094
UTP_CALC	RDI =<5	15	38.2333	2.99325	.77285
	RDI >=30	34	40.2941	3.83390	.65751
TBP_CALC	RDI =<5	14	44.0000	3.92722	1.04959
	RDI >=30	22	45.7955	3.96610	.84558
MPH_CALC	RDI =<5	13	7.2308	4.25057	1.17889
	RDI >=30	22	13.8636	6.36430	1.35687
PAS_CALC	RDI =<5	14	10.8929	2.63977	.70551
	RDI >=30	22	9.4545	2.39000	.50955

a GENDER = Female

ตารางแสดงการทดสอบค่าเฉลี่ยพารามิเตอร์จากภาพรังสีในเพศหญิงด้วยสถิติอินดิเพนเดนต์ ที-เทสต์

Independent Samples Test(a)

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
SNA_CALC	Equal variances assumed	.593	.445	.933	50	.355	1.0451	1.12054	-1.20553	3.29581
	Equal variances not assumed			.878	25.216	.388	1.0451	1.19057	-1.40583	3.49610
SNB_CALC	Equal variances assumed	.508	.481	1.158	35	.255	1.3463	1.16305	-1.01485	3.70740
	Equal variances not assumed			1.065	21.013	.299	1.3463	1.26388	-1.28201	3.97456
SGB_CALC	Equal variances assumed	.215	.646	-.229	34	.820	-.4026	1.75938	-3.97808	3.17289
	Equal variances not assumed			-.224	25.846	.825	-.4026	1.79805	-4.09961	3.29442
UPH_CALC	Equal variances assumed	.121	.731	2.177	35	.036	1.8397	.84505	.12421	3.55528
	Equal variances not assumed			2.253	27.273	.032	1.8397	.81644	.16534	3.51415

ATP_CALC	Equal variances assumed	2.085	.157	.995	38	.326	1.3867	1.39359	-1.43451	4.20785
	Equal variances not assumed			1.103	37.642	.277	1.3867	1.25688	-1.15855	3.93188
UTP_CALC	Equal variances assumed	1.126	.294	-1.845	47	.071	-2.0608	1.11713	-4.30816	.18659
	Equal variances not assumed			-2.031	34.036	.050	-2.0608	1.01470	-4.12282	.00126
TBP_CALC	Equal variances assumed	.034	.854	-1.329	34	.193	-1.7955	1.35087	-4.54076	.94985
	Equal variances not assumed			-1.332	28.039	.194	-1.7955	1.34783	-4.55619	.96528
MPH_CALC	Equal variances assumed	3.281	.079	-3.334	33	.002	-6.6329	1.98956	-10.68066	-2.58507
	Equal variances not assumed			-3.690	32.381	.001	-6.6329	1.79747	-10.29251	-2.97323
PAS_CALC	Equal variances assumed	.313	.579	1.691	34	.100	1.4383	.85076	-.29064	3.16727
	Equal variances not assumed			1.653	25.761	.111	1.4383	.87028	-.35138	3.22800

a GENDER = Female

ส่วนที่ 2 วิเคราะห์ความแตกต่างระหว่างข้อมูลแต่ละกลุ่ม (ใช้โปรแกรม SPSS 11.5)

ตารางแสดงข้อมูลสถิติเชิงพรรณาของกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

Statistics

RDI group	GENDER			SNA_CALC	SNB_CALC	SGB_CALC	UPH_CALC	ATP_CALC	UTP_CALC	TBP_CALC	MPH_CALC	PAS_CALC
RDI =<5	male	N	Valid	9	9	9	9	9	9	9	9	9
			Missing	0	0	0	0	0	0	0	0	0
		Mean		88.1667	84.2778	11.7778	9.3333	33.7778	40.6667	48.8889	12.4444	11.8333
		Std. Deviation		2.52488	3.01155	4.47989	1.76777	3.47411	4.35890	5.26651	4.94624	2.51247
		Minimum		84.50	80.50	4.00	7.00	28.00	35.50	44.50	6.50	8.00
		Maximum		92.00	88.00	18.50	12.00	37.50	49.00	61.50	22.50	16.50
	female	N	Valid	13	13	13	13	13	13	13	13	13
			Missing	0	0	0	0	0	0	0	0	0
		Mean		85.8846	81.6154	18.0000	8.9231	34.1538	37.7692	44.7692	7.2308	10.5385
		Std. Deviation		4.12893	4.30675	5.65317	2.27162	3.31276	2.93411	2.78100	4.25057	2.37576
		Minimum		78.50	73.00	10.00	5.50	29.00	33.50	40.00	.50	7.00
		Maximum		91.50	88.00	29.00	12.00	40.00	43.50	48.50	13.00	14.00
RDI >=30	male	N	Valid	71	71	71	71	71	71	71	71	71
			Missing	0	0	0	0	0	0	0	0	0
		Mean		85.2958	81.4437	15.6479	9.4507	35.0775	43.4718	50.0563	19.5070	12.7535
		Std. Deviation		3.63866	3.56726	6.86003	3.25484	4.10109	5.05038	5.27227	6.27779	3.79085
		Minimum		76.00	75.50	2.00	3.00	26.00	28.00	33.50	2.50	4.00

		Maximum		93.00	91.50	28.00	16.00	44.50	54.50	65.50	30.00	23.00
	female	N	Valid	21	21	21	21	21	21	21	21	21
			Missing	0	0	0	0	0	0	0	0	0
		Mean		84.9286	80.4286	18.2143	7.1667	32.2619	40.3095	45.9524	14.0714	9.4286
		Std. Deviation		3.79567	3.01780	5.05859	2.51164	4.27089	3.85187	3.99345	6.44454	2.44584
		Minimum		76.50	75.50	10.00	3.50	21.50	33.00	38.00	3.00	6.00
		Maximum		90.00	85.00	29.00	12.00	38.50	47.50	56.00	26.00	15.50

ตารางแจกแจงความถี่ของพารามิเตอร์ SNA ในกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

RDI group	GENDER			Frequency	Percent	Valid Percent	Cumulative Percent
RDI =<5	male	Valid	84.50	1	11.1	11.1	11.1
			86.00	2	22.2	22.2	33.3
			87.50	1	11.1	11.1	44.4
			88.00	1	11.1	11.1	55.6
			88.50	1	11.1	11.1	66.7
			89.50	1	11.1	11.1	77.8
			91.50	1	11.1	11.1	88.9
			92.00	1	11.1	11.1	100.0
			Total	9	100.0	100.0	
	female	Valid	78.50	1	7.7	7.7	7.7
			80.00	1	7.7	7.7	15.4
			81.00	1	7.7	7.7	23.1
			83.00	1	7.7	7.7	30.8
			85.00	1	7.7	7.7	38.5
			86.50	2	15.4	15.4	53.8
			87.50	1	7.7	7.7	61.5
			88.50	1	7.7	7.7	69.2
			89.00	2	15.4	15.4	84.6
			90.50	1	7.7	7.7	92.3
			91.50	1	7.7	7.7	100.0
			Total	13	100.0	100.0	
RDI >=30	male	Valid	76.00	1	1.4	1.4	1.4
			78.00	1	1.4	1.4	2.8
			78.50	2	2.8	2.8	5.6
			79.50	1	1.4	1.4	7.0
			80.00	2	2.8	2.8	9.9

			81.00	2	2.8	2.8	12.7
			81.50	1	1.4	1.4	14.1
			82.00	3	4.2	4.2	18.3
			82.50	2	2.8	2.8	21.1
			83.00	4	5.6	5.6	26.8
			83.50	4	5.6	5.6	32.4
			84.00	6	8.5	8.5	40.8
			84.50	2	2.8	2.8	43.7
			85.00	5	7.0	7.0	50.7
			85.50	3	4.2	4.2	54.9
			86.00	3	4.2	4.2	59.2
			86.50	6	8.5	8.5	67.6
			87.00	4	5.6	5.6	73.2
			87.50	3	4.2	4.2	77.5
			88.00	2	2.8	2.8	80.3
			89.00	3	4.2	4.2	84.5
			89.50	3	4.2	4.2	88.7
			90.00	3	4.2	4.2	93.0
			91.00	1	1.4	1.4	94.4
			92.00	1	1.4	1.4	95.8
			92.50	1	1.4	1.4	97.2
			93.00	2	2.8	2.8	100.0
			Total	71	100.0	100.0	
	female	Valid	76.50	1	4.8	4.8	4.8
			78.50	1	4.8	4.8	9.5
			79.50	1	4.8	4.8	14.3
			80.50	1	4.8	4.8	19.0
			82.00	1	4.8	4.8	23.8
			83.00	1	4.8	4.8	28.6
			84.50	3	14.3	14.3	42.9

			85.00	2	9.5	9.5	52.4
			85.50	1	4.8	4.8	57.1
			86.00	1	4.8	4.8	61.9
			87.00	1	4.8	4.8	66.7
			87.50	1	4.8	4.8	71.4
			88.50	3	14.3	14.3	85.7
			89.00	1	4.8	4.8	90.5
			89.50	1	4.8	4.8	95.2
			90.00	1	4.8	4.8	100.0
			Total	21	100.0	100.0	

ตารางแจกแจงความถี่ของพารามิเตอร์ SNB ในกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

RDI group	GENDER			Frequency	Percent	Valid Percent	Cumulative Percent
RDI =<5	male	Valid	80.50	2	22.2	22.2	22.2
			81.50	1	11.1	11.1	33.3
			82.50	1	11.1	11.1	44.4
			85.50	1	11.1	11.1	55.6
			86.00	1	11.1	11.1	66.7
			87.00	2	22.2	22.2	88.9
			88.00	1	11.1	11.1	100.0
			Total	9	100.0	100.0	
	female	Valid	73.00	1	7.7	7.7	7.7
			74.00	1	7.7	7.7	15.4
			79.50	1	7.7	7.7	23.1
			80.00	1	7.7	7.7	30.8
			81.00	1	7.7	7.7	38.5
			82.00	1	7.7	7.7	46.2
			82.50	1	7.7	7.7	53.8
			83.00	1	7.7	7.7	61.5
			83.50	2	15.4	15.4	76.9
			84.50	1	7.7	7.7	84.6
			86.50	1	7.7	7.7	92.3
			88.00	1	7.7	7.7	100.0
			Total	13	100.0	100.0	
RDI >=30	male	Valid	75.50	1	1.4	1.4	1.4
			76.00	4	5.6	5.6	7.0
			76.50	1	1.4	1.4	8.5
			77.00	1	1.4	1.4	9.9

			77.50	2	2.8	2.8	12.7
			78.00	6	8.5	8.5	21.1
			78.50	4	5.6	5.6	26.8
			79.00	3	4.2	4.2	31.0
			79.50	3	4.2	4.2	35.2
			80.00	2	2.8	2.8	38.0
			80.50	4	5.6	5.6	43.7
			81.00	5	7.0	7.0	50.7
			81.50	5	7.0	7.0	57.7
			82.00	3	4.2	4.2	62.0
			82.50	3	4.2	4.2	66.2
			83.00	6	8.5	8.5	74.6
			83.50	5	7.0	7.0	81.7
			84.50	1	1.4	1.4	83.1
			85.50	2	2.8	2.8	85.9
			86.00	2	2.8	2.8	88.7
			86.50	2	2.8	2.8	91.5
			87.00	2	2.8	2.8	94.4
			88.50	1	1.4	1.4	95.8
			89.00	1	1.4	1.4	97.2
			90.00	1	1.4	1.4	98.6
			91.50	1	1.4	1.4	100.0
			Total	71	100.0	100.0	
	female	Valid	75.50	1	4.8	4.8	4.8
			76.00	3	14.3	14.3	19.0
			77.50	1	4.8	4.8	23.8
			78.50	2	9.5	9.5	33.3
			79.50	1	4.8	4.8	38.1
			80.50	3	14.3	14.3	52.4
			81.00	1	4.8	4.8	57.1

			82.00	3	14.3	14.3	71.4
			82.50	1	4.8	4.8	76.2
			83.50	3	14.3	14.3	90.5
			85.00	2	9.5	9.5	100.0
			Total	21	100.0	100.0	

ตารางแจกแจงความถี่ของพารามิเตอร์ SN-Go-B ในกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

RDI group	GENDER			Frequency	Percent	Valid Percent	Cumulative Percent
RDI =<5	male	Valid	4.00	1	11.1	11.1	11.1
			7.00	1	11.1	11.1	22.2
			9.50	1	11.1	11.1	33.3
			11.00	1	11.1	11.1	44.4
			12.50	1	11.1	11.1	55.6
			13.50	1	11.1	11.1	66.7
			14.00	1	11.1	11.1	77.8
			16.00	1	11.1	11.1	88.9
			18.50	1	11.1	11.1	100.0
			Total	9	100.0	100.0	
	female	Valid	10.00	1	7.7	7.7	7.7
			13.00	2	15.4	15.4	23.1
			15.00	2	15.4	15.4	38.5
			15.50	2	15.4	15.4	53.8
			18.50	1	7.7	7.7	61.5
			19.00	1	7.7	7.7	69.2
			19.50	1	7.7	7.7	76.9
			24.50	1	7.7	7.7	84.6
			26.50	1	7.7	7.7	92.3
			29.00	1	7.7	7.7	100.0
			Total	13	100.0	100.0	
RDI >=30	male	Valid	2.00	2	2.8	2.8	2.8
			3.00	1	1.4	1.4	4.2
			3.50	2	2.8	2.8	7.0
			4.00	1	1.4	1.4	8.5
			6.00	1	1.4	1.4	9.9

			6.50	1	1.4	1.4	11.3
			7.00	4	5.6	5.6	16.9
			7.50	2	2.8	2.8	19.7
			9.00	1	1.4	1.4	21.1
			10.00	1	1.4	1.4	22.5
			12.00	3	4.2	4.2	26.8
			12.50	2	2.8	2.8	29.6
			13.00	3	4.2	4.2	33.8
			13.50	3	4.2	4.2	38.0
			14.00	3	4.2	4.2	42.3
			14.50	1	1.4	1.4	43.7
			15.00	3	4.2	4.2	47.9
			15.50	2	2.8	2.8	50.7
			16.00	3	4.2	4.2	54.9
			17.00	2	2.8	2.8	57.7
			17.50	2	2.8	2.8	60.6
			18.00	2	2.8	2.8	63.4
			18.50	2	2.8	2.8	66.2
			19.50	1	1.4	1.4	67.6
			20.00	1	1.4	1.4	69.0
			20.50	2	2.8	2.8	71.8
			21.00	3	4.2	4.2	76.1
			21.50	2	2.8	2.8	78.9
			22.00	3	4.2	4.2	83.1
			23.00	3	4.2	4.2	87.3
			23.50	1	1.4	1.4	88.7
			25.00	3	4.2	4.2	93.0
			25.50	1	1.4	1.4	94.4
			27.00	2	2.8	2.8	97.2
			28.00	2	2.8	2.8	100.0

			Total	71	100.0	100.0	
	female	Valid	10.00	1	4.8	4.8	4.8
			11.50	1	4.8	4.8	9.5
			12.50	1	4.8	4.8	14.3
			13.00	1	4.8	4.8	19.0
			15.00	1	4.8	4.8	23.8
			15.50	2	9.5	9.5	33.3
			16.00	1	4.8	4.8	38.1
			16.50	1	4.8	4.8	42.9
			17.50	2	9.5	9.5	52.4
			18.00	1	4.8	4.8	57.1
			18.50	2	9.5	9.5	66.7
			19.00	1	4.8	4.8	71.4
			20.00	1	4.8	4.8	76.2
			21.50	1	4.8	4.8	81.0
			25.50	1	4.8	4.8	85.7
			26.00	2	9.5	9.5	95.2
			29.00	1	4.8	4.8	100.0
			Total	21	100.0	100.0	

ตารางแจกแจงความถี่ของพารามิเตอร์ ATA-PNS ในกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

RDI group	GENDER			Frequency	Percent	Valid Percent	Cumulative Percent
RDI =<5	male	Valid	28.00	1	11.1	11.1	11.1
			30.50	1	11.1	11.1	22.2
			31.00	1	11.1	11.1	33.3
			32.50	1	11.1	11.1	44.4
			34.00	1	11.1	11.1	55.6
			36.00	1	11.1	11.1	66.7
			37.00	1	11.1	11.1	77.8
			37.50	2	22.2	22.2	100.0
			Total	9	100.0	100.0	
	female	Valid	29.00	1	7.7	7.7	7.7
			29.50	1	7.7	7.7	15.4
			30.50	1	7.7	7.7	23.1
			33.50	3	23.1	23.1	46.2
			34.00	1	7.7	7.7	53.8
			34.50	2	15.4	15.4	69.2
			35.00	1	7.7	7.7	76.9
			38.00	1	7.7	7.7	84.6
			38.50	1	7.7	7.7	92.3
			40.00	1	7.7	7.7	100.0
			Total	13	100.0	100.0	
RDI >=30	male	Valid	26.00	1	1.4	1.4	1.4
			27.00	1	1.4	1.4	2.8
			27.50	2	2.8	2.8	5.6
			28.00	2	2.8	2.8	8.5
			29.00	1	1.4	1.4	9.9
			29.50	2	2.8	2.8	12.7

			30.00	2	2.8	2.8	15.5
			31.50	2	2.8	2.8	18.3
			32.00	3	4.2	4.2	22.5
			32.50	2	2.8	2.8	25.4
			33.00	3	4.2	4.2	29.6
			33.50	3	4.2	4.2	33.8
			34.00	2	2.8	2.8	36.6
			34.50	4	5.6	5.6	42.3
			35.00	4	5.6	5.6	47.9
			35.50	4	5.6	5.6	53.5
			36.00	9	12.7	12.7	66.2
			36.50	4	5.6	5.6	71.8
			37.00	2	2.8	2.8	74.6
			37.50	2	2.8	2.8	77.5
			38.00	4	5.6	5.6	83.1
			39.00	1	1.4	1.4	84.5
			39.50	1	1.4	1.4	85.9
			40.00	2	2.8	2.8	88.7
			40.50	1	1.4	1.4	90.1
			41.00	2	2.8	2.8	93.0
			41.50	1	1.4	1.4	94.4
			42.00	1	1.4	1.4	95.8
			43.50	2	2.8	2.8	98.6
			44.50	1	1.4	1.4	100.0
			Total	71	100.0	100.0	
	female	Valid	21.50	1	4.8	4.8	4.8
			24.50	1	4.8	4.8	9.5
			28.00	1	4.8	4.8	14.3
			29.00	1	4.8	4.8	19.0
			29.50	1	4.8	4.8	23.8

			30.00	1	4.8	4.8	28.6
			31.00	2	9.5	9.5	38.1
			31.50	1	4.8	4.8	42.9
			32.50	1	4.8	4.8	47.6
			33.00	2	9.5	9.5	57.1
			34.00	2	9.5	9.5	66.7
			34.50	1	4.8	4.8	71.4
			35.00	1	4.8	4.8	76.2
			36.00	2	9.5	9.5	85.7
			36.50	1	4.8	4.8	90.5
			38.50	2	9.5	9.5	100.0
			Total	21	100.0	100.0	

ตารางแจกแจงความถี่ของพารามิเตอร์ UT-PhW ในกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

RDI group	GENDER			Frequency	Percent	Valid Percent	Cumulative Percent
RDI =<5	male	Valid	7.00	1	11.1	11.1	11.1
			7.50	1	11.1	11.1	22.2
			8.00	2	22.2	22.2	44.4
			9.50	1	11.1	11.1	55.6
			10.50	2	22.2	22.2	77.8
			11.00	1	11.1	11.1	88.9
			12.00	1	11.1	11.1	100.0
			Total	9	100.0	100.0	
	female	Valid	5.50	1	7.7	7.7	7.7
			6.50	1	7.7	7.7	15.4
			7.00	3	23.1	23.1	38.5
			7.50	1	7.7	7.7	46.2
			9.00	1	7.7	7.7	53.8
			10.00	1	7.7	7.7	61.5
			10.50	1	7.7	7.7	69.2
			11.00	2	15.4	15.4	84.6
			12.00	2	15.4	15.4	100.0
			Total	13	100.0	100.0	
RDI >=30	male	Valid	3.00	1	1.4	1.4	1.4
			3.50	1	1.4	1.4	2.8
			4.00	1	1.4	1.4	4.2
			4.50	1	1.4	1.4	5.6
			5.00	6	8.5	8.5	14.1
			5.50	1	1.4	1.4	15.5
			6.00	2	2.8	2.8	18.3
			6.50	2	2.8	2.8	21.1

			7.00	3	4.2	4.2	25.4
			7.50	4	5.6	5.6	31.0
			8.00	7	9.9	9.9	40.8
			8.50	2	2.8	2.8	43.7
			9.00	4	5.6	5.6	49.3
			9.50	8	11.3	11.3	60.6
			10.50	2	2.8	2.8	63.4
			11.00	1	1.4	1.4	64.8
			11.50	6	8.5	8.5	73.2
			12.00	3	4.2	4.2	77.5
			12.50	2	2.8	2.8	80.3
			13.00	3	4.2	4.2	84.5
			13.50	2	2.8	2.8	87.3
			14.00	5	7.0	7.0	94.4
			14.50	1	1.4	1.4	95.8
			15.00	1	1.4	1.4	97.2
			16.00	2	2.8	2.8	100.0
			Total	71	100.0	100.0	
	female	Valid	3.50	1	4.8	4.8	4.8
			4.00	1	4.8	4.8	9.5
			4.50	1	4.8	4.8	14.3
			5.00	1	4.8	4.8	19.0
			5.50	4	19.0	19.0	38.1
			6.00	3	14.3	14.3	52.4
			6.50	1	4.8	4.8	57.1
			7.00	1	4.8	4.8	61.9
			8.50	2	9.5	9.5	71.4
			9.50	2	9.5	9.5	81.0
			10.00	1	4.8	4.8	85.7
			11.00	2	9.5	9.5	95.2

			12.00	1	4.8	4.8	100.0
			Total	21	100.0	100.0	

ตารางแจกแจงความถี่ของพารามิเตอร์ UT-PNS ในกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

RDI group	GENDER			Frequency	Percent	Valid Percent	Cumulative Percent
RDI =<5	male	Valid	35.50	1	11.1	11.1	11.1
			37.50	1	11.1	11.1	22.2
			38.00	1	11.1	11.1	33.3
			38.50	1	11.1	11.1	44.4
			39.00	1	11.1	11.1	55.6
			39.50	1	11.1	11.1	66.7
			44.00	1	11.1	11.1	77.8
			45.00	1	11.1	11.1	88.9
			49.00	1	11.1	11.1	100.0
			Total	9	100.0	100.0	
	female	Valid	33.50	1	7.7	7.7	7.7
			34.50	1	7.7	7.7	15.4
			35.00	1	7.7	7.7	23.1
			35.50	2	15.4	15.4	38.5
			37.00	1	7.7	7.7	46.2
			38.00	1	7.7	7.7	53.8
			38.50	1	7.7	7.7	61.5
			39.00	1	7.7	7.7	69.2
			39.50	1	7.7	7.7	76.9
			40.50	1	7.7	7.7	84.6
			41.00	1	7.7	7.7	92.3
			43.50	1	7.7	7.7	100.0
			Total	13	100.0	100.0	
RDI >=30	male	Valid	28.00	1	1.4	1.4	1.4
			31.50	1	1.4	1.4	2.8
			33.50	1	1.4	1.4	4.2

			34.00	2	2.8	2.8	7.0
			37.50	1	1.4	1.4	8.5
			38.00	1	1.4	1.4	9.9
			38.50	1	1.4	1.4	11.3
			39.50	3	4.2	4.2	15.5
			40.00	5	7.0	7.0	22.5
			40.50	2	2.8	2.8	25.4
			41.00	5	7.0	7.0	32.4
			41.50	4	5.6	5.6	38.0
			42.00	3	4.2	4.2	42.3
			42.50	2	2.8	2.8	45.1
			43.00	2	2.8	2.8	47.9
			43.50	6	8.5	8.5	56.3
			44.00	2	2.8	2.8	59.2
			44.50	4	5.6	5.6	64.8
			45.50	3	4.2	4.2	69.0
			46.00	4	5.6	5.6	74.6
			46.50	1	1.4	1.4	76.1
			47.50	3	4.2	4.2	80.3
			48.00	1	1.4	1.4	81.7
			49.00	3	4.2	4.2	85.9
			49.50	4	5.6	5.6	91.5
			50.00	1	1.4	1.4	93.0
			51.00	1	1.4	1.4	94.4
			52.00	1	1.4	1.4	95.8
			53.00	1	1.4	1.4	97.2
			54.00	1	1.4	1.4	98.6
			54.50	1	1.4	1.4	100.0
			Total	71	100.0	100.0	
	female	Valid	33.00	1	4.8	4.8	4.8

			33.50	1	4.8	4.8	9.5
			36.50	1	4.8	4.8	14.3
			37.00	1	4.8	4.8	19.0
			37.50	1	4.8	4.8	23.8
			38.00	1	4.8	4.8	28.6
			39.00	3	14.3	14.3	42.9
			39.50	2	9.5	9.5	52.4
			40.00	1	4.8	4.8	57.1
			40.50	1	4.8	4.8	61.9
			41.50	1	4.8	4.8	66.7
			43.00	1	4.8	4.8	71.4
			43.50	1	4.8	4.8	76.2
			44.00	1	4.8	4.8	81.0
			44.50	2	9.5	9.5	90.5
			46.00	1	4.8	4.8	95.2
			47.50	1	4.8	4.8	100.0
			Total	21	100.0	100.0	

ตารางแจกแจงความถี่ของพารามิเตอร์ TB-PNS ในกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

RDI group	GENDER			Frequency	Percent	Valid Percent	Cumulative Percent
RDI =<5	male	Valid	44.50	1	11.1	11.1	11.1
			45.50	1	11.1	11.1	22.2
			46.00	3	33.3	33.3	55.6
			49.00	1	11.1	11.1	66.7
			50.50	1	11.1	11.1	77.8
			51.00	1	11.1	11.1	88.9
			61.50	1	11.1	11.1	100.0
			Total	9	100.0	100.0	
	female	Valid	40.00	1	7.7	7.7	7.7
			42.50	5	38.5	38.5	46.2
			45.00	1	7.7	7.7	53.8
			47.00	4	30.8	30.8	84.6
			48.00	1	7.7	7.7	92.3
			48.50	1	7.7	7.7	100.0
			Total	13	100.0	100.0	
RDI >=30	male	Valid	33.50	1	1.4	1.4	1.4
			37.00	1	1.4	1.4	2.8
			41.00	2	2.8	2.8	5.6
			42.50	1	1.4	1.4	7.0
			43.50	1	1.4	1.4	8.5
			44.00	1	1.4	1.4	9.9
			44.50	1	1.4	1.4	11.3
			45.00	2	2.8	2.8	14.1
			45.50	5	7.0	7.0	21.1
			46.00	4	5.6	5.6	26.8
			47.00	2	2.8	2.8	29.6

			47.50	2	2.8	2.8	32.4
			48.50	1	1.4	1.4	33.8
			49.00	4	5.6	5.6	39.4
			49.50	3	4.2	4.2	43.7
			50.00	2	2.8	2.8	46.5
			50.50	5	7.0	7.0	53.5
			51.00	1	1.4	1.4	54.9
			51.50	6	8.5	8.5	63.4
			52.00	3	4.2	4.2	67.6
			52.50	4	5.6	5.6	73.2
			53.00	3	4.2	4.2	77.5
			53.50	2	2.8	2.8	80.3
			54.50	3	4.2	4.2	84.5
			55.00	1	1.4	1.4	85.9
			55.50	2	2.8	2.8	88.7
			56.00	2	2.8	2.8	91.5
			56.50	1	1.4	1.4	93.0
			57.00	1	1.4	1.4	94.4
			59.00	1	1.4	1.4	95.8
			59.50	1	1.4	1.4	97.2
			60.00	1	1.4	1.4	98.6
			65.50	1	1.4	1.4	100.0
			Total	71	100.0	100.0	
	female	Valid	38.00	1	4.8	4.8	4.8
			39.50	1	4.8	4.8	9.5
			42.50	1	4.8	4.8	14.3
			43.00	2	9.5	9.5	23.8
			44.50	3	14.3	14.3	38.1
			45.00	2	9.5	9.5	47.6
			45.50	1	4.8	4.8	52.4

			46.00	1	4.8	4.8	57.1
			46.50	1	4.8	4.8	61.9
			47.00	1	4.8	4.8	66.7
			47.50	2	9.5	9.5	76.2
			48.50	2	9.5	9.5	85.7
			51.00	1	4.8	4.8	90.5
			51.50	1	4.8	4.8	95.2
			56.00	1	4.8	4.8	100.0
			Total	21	100.0	100.0	

ตารางแจกแจงความถี่ของพารามิเตอร์ MP-H ในกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

RDI group	GENDER			Frequency	Percent	Valid Percent	Cumulative Percent
RDI =<5	male	Valid	6.50	1	11.1	11.1	11.1
			8.00	1	11.1	11.1	22.2
			8.50	1	11.1	11.1	33.3
			11.50	2	22.2	22.2	55.6
			13.00	1	11.1	11.1	66.7
			13.50	1	11.1	11.1	77.8
			17.00	1	11.1	11.1	88.9
			22.50	1	11.1	11.1	100.0
			Total	9	100.0	100.0	
	female	Valid	.50	2	15.4	15.4	15.4
			2.50	1	7.7	7.7	23.1
			4.50	1	7.7	7.7	30.8
			5.50	1	7.7	7.7	38.5
			7.50	1	7.7	7.7	46.2
			8.00	1	7.7	7.7	53.8
			9.00	1	7.7	7.7	61.5
			9.50	2	15.4	15.4	76.9
			11.50	1	7.7	7.7	84.6
			12.50	1	7.7	7.7	92.3
			13.00	1	7.7	7.7	100.0
			Total	13	100.0	100.0	
RDI >=30	male	Valid	2.50	1	1.4	1.4	1.4
			3.50	1	1.4	1.4	2.8
			5.00	1	1.4	1.4	4.2
			9.50	1	1.4	1.4	5.6
			10.00	1	1.4	1.4	7.0

			10.50	1	1.4	1.4	8.5
			11.50	1	1.4	1.4	9.9
			12.00	3	4.2	4.2	14.1
			13.00	1	1.4	1.4	15.5
			13.50	1	1.4	1.4	16.9
			14.00	1	1.4	1.4	18.3
			14.50	2	2.8	2.8	21.1
			15.00	1	1.4	1.4	22.5
			15.50	3	4.2	4.2	26.8
			16.00	3	4.2	4.2	31.0
			16.50	2	2.8	2.8	33.8
			17.50	3	4.2	4.2	38.0
			18.00	3	4.2	4.2	42.3
			18.50	1	1.4	1.4	43.7
			19.00	2	2.8	2.8	46.5
			19.50	3	4.2	4.2	50.7
			20.50	3	4.2	4.2	54.9
			21.00	4	5.6	5.6	60.6
			21.50	1	1.4	1.4	62.0
			22.50	1	1.4	1.4	63.4
			23.00	2	2.8	2.8	66.2
			23.50	3	4.2	4.2	70.4
			24.00	2	2.8	2.8	73.2
			24.50	2	2.8	2.8	76.1
			25.00	4	5.6	5.6	81.7
			25.50	1	1.4	1.4	83.1
			27.00	5	7.0	7.0	90.1
			27.50	1	1.4	1.4	91.5
			28.00	3	4.2	4.2	95.8
			29.00	2	2.8	2.8	98.6

			30.00	1	1.4	1.4	100.0
			Total	71	100.0	100.0	
	female	Valid	3.00	1	4.8	4.8	4.8
			6.00	2	9.5	9.5	14.3
			6.50	1	4.8	4.8	19.0
			8.00	1	4.8	4.8	23.8
			9.50	1	4.8	4.8	28.6
			11.00	2	9.5	9.5	38.1
			12.50	2	9.5	9.5	47.6
			13.00	2	9.5	9.5	57.1
			16.50	1	4.8	4.8	61.9
			17.50	1	4.8	4.8	66.7
			18.00	2	9.5	9.5	76.2
			21.00	1	4.8	4.8	81.0
			21.50	1	4.8	4.8	85.7
			22.00	1	4.8	4.8	90.5
			23.00	1	4.8	4.8	95.2
			26.00	1	4.8	4.8	100.0
			Total	21	100.0	100.0	

ตารางแจกแจงความถี่ของพารามิเตอร์ PAS ในกลุ่มที่สามารถวัดค่าพารามิเตอร์ได้ครบ

RDI group	GENDER			Frequency	Percent	Valid Percent	Cumulative Percent
RDI =<5	male	Valid	8.00	1	11.1	11.1	11.1
			10.00	1	11.1	11.1	22.2
			10.50	1	11.1	11.1	33.3
			11.00	2	22.2	22.2	55.6
			12.00	1	11.1	11.1	66.7
			13.50	1	11.1	11.1	77.8
			14.00	1	11.1	11.1	88.9
			16.50	1	11.1	11.1	100.0
			Total	9	100.0	100.0	
	female	Valid	7.00	2	15.4	15.4	15.4
			7.50	1	7.7	7.7	23.1
			9.50	1	7.7	7.7	30.8
			10.00	2	15.4	15.4	46.2
			10.50	1	7.7	7.7	53.8
			11.50	2	15.4	15.4	69.2
			12.00	1	7.7	7.7	76.9
			12.50	1	7.7	7.7	84.6
			14.00	2	15.4	15.4	100.0
			Total	13	100.0	100.0	
RDI >=30	male	Valid	4.00	1	1.4	1.4	1.4
			5.00	1	1.4	1.4	2.8
			6.50	1	1.4	1.4	4.2
			7.00	2	2.8	2.8	7.0
			7.50	1	1.4	1.4	8.5
			8.00	3	4.2	4.2	12.7
			9.00	3	4.2	4.2	16.9

			9.50	6	8.5	8.5	25.4
			10.00	2	2.8	2.8	28.2
			10.50	4	5.6	5.6	33.8
			11.50	2	2.8	2.8	36.6
			12.00	8	11.3	11.3	47.9
			12.50	1	1.4	1.4	49.3
			13.00	3	4.2	4.2	53.5
			13.50	2	2.8	2.8	56.3
			14.00	5	7.0	7.0	63.4
			14.50	3	4.2	4.2	67.6
			15.00	8	11.3	11.3	78.9
			15.50	1	1.4	1.4	80.3
			16.00	4	5.6	5.6	85.9
			16.50	1	1.4	1.4	87.3
			17.00	2	2.8	2.8	90.1
			17.50	1	1.4	1.4	91.5
			18.00	2	2.8	2.8	94.4
			18.50	1	1.4	1.4	95.8
			20.50	1	1.4	1.4	97.2
			22.00	1	1.4	1.4	98.6
			23.00	1	1.4	1.4	100.0
			Total	71	100.0	100.0	
	female	Valid	6.00	2	9.5	9.5	9.5
			6.50	2	9.5	9.5	19.0
			7.00	1	4.8	4.8	23.8
			8.00	2	9.5	9.5	33.3
			8.50	1	4.8	4.8	38.1
			9.00	2	9.5	9.5	47.6
			9.50	2	9.5	9.5	57.1
			10.00	2	9.5	9.5	66.7

			10.50	2	9.5	9.5	76.2
			11.00	1	4.8	4.8	81.0
			12.00	1	4.8	4.8	85.7
			12.50	2	9.5	9.5	95.2
			15.50	1	4.8	4.8	100.0
			Total	21	100.0	100.0	

ตารางแสดงข้อมูลสถิติเชิงพรรณาของค่าพารามิเตอร์จากภาพรังสีของข้อมูลทั้งหมดและข้อมูลที่สามารถวัดค่าได้ครบ

Group Statistics

	COMPLETE	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	ALL DATA	187	85.6096	3.73555	.27317
	completed	114	85.5219	3.69907	.34645
SNB_CALC	ALL DATA	144	81.4271	3.72244	.31020
	completed	114	81.5000	3.59695	.33689
SGB_CALC	ALL DATA	134	16.4478	6.68554	.57754
	completed	114	16.0570	6.43750	.60293
UPH_CALC	ALL DATA	128	8.9688	3.08524	.27270
	completed	114	8.9605	3.03457	.28421
ATP_CALC	ALL DATA	149	34.7785	4.19716	.34384
	completed	114	34.3509	4.10371	.38435
UTP_CALC	ALL DATA	171	42.4825	4.95506	.37892
	completed	114	42.0175	4.97780	.46621
TBP_CALC	ALL DATA	130	48.5154	5.42780	.47605
	completed	114	48.6053	5.21123	.48808
MPH_CALC	ALL DATA	130	17.2115	7.44537	.65300
	completed	114	16.5482	7.30649	.68432
PAS_CALC	ALL DATA	129	11.9961	3.94122	.34700
	completed	114	11.8158	3.57861	.33517

* COMPLETE หมายถึง ความสมบูรณ์ของข้อมูล

ALL DATA คือ ข้อมูลจากภาพรังสีทั้งหมด

completed คือ ข้อมูลเฉพาะที่สามารถวัดค่าได้ครบ

ตารางแสดงการทดสอบค่าเฉลี่ยพารามิเตอร์จากภาพรังสีระหว่างข้อมูลทั้งหมดและข้อมูลที่ สามารถวัดค่าได้ครบด้วยสถิติอินดิเพนเดนต์ ที-เทสต์

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
SNA_CALC	Equal variances assumed	.112	.738	.198	299	.843	.0877	.44225	-.78261	.95800
	Equal variances not assumed			.199	240.669	.843	.0877	.44119	-.78139	.95678
SNB_CALC	Equal variances assumed	.171	.680	-.159	256	.874	-.0729	.45979	-.97836	.83253
	Equal variances not assumed			-.159	246.068	.874	-.0729	.45795	-.97492	.82908
SGB_CALC	Equal variances assumed	.128	.720	.467	246	.641	.3907	.83747	-1.25878	2.04027
	Equal variances not assumed			.468	242.233	.640	.3907	.83491	-1.25387	2.03536
UPH_CALC	Equal variances	.000	.995	.021	240	.983	.0082	.39426	.76843	.78488

	assumed									
	Equal variances not assumed			.021	237.631	.983	.0082	.39388	-.76772	.78417
ATP_CALC	Equal variances assumed	.013	.911	.827	261	.409	.4276	.51726	-.59089	1.44618
	Equal variances not assumed			.829	245.966	.408	.4276	.51571	-.58812	1.44341
UTP_CALC	Equal variances assumed	.070	.792	.775	283	.439	.4649	.60023	-.71657	1.64639
	Equal variances not assumed			.774	241.542	.440	.4649	.60078	-.71853	1.64835
TBP_CALC	Equal variances assumed	.106	.745	-.131	242	.896	-.0899	.68362	-1.43649	1.25673
	Equal variances not assumed			-.132	240.001	.895	-.0899	.68179	-1.43294	1.25318
MPH_CALC	Equal variances assumed	.051	.822	.700	242	.484	.6633	.94706	-1.20224	2.52882
	Equal variances not assumed			.701	238.940	.484	.6633	.94589	-1.20005	2.52663
PAS_CALC	Equal variances assumed	.252	.616	.372	241	.711	.1803	.48533	-.77569	1.13636
	Equal variances not assumed			.374	240.817	.709	.1803	.48244	-.77001	1.13068

ตารางแสดงข้อมูลสถิติเชิงพรรณาของค่าพารามิเตอร์จากภาพรังสีของข้อมูลทั้งหมดและข้อมูลที่ผู้วิจัยพยายามกำหนดจุดและอ่านค่า

Group Statistics

	COMPLETE	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	ALL DATA	187	85.6096	3.73555	.27317
	assumed	137	85.4270	3.75026	.32041
SNB_CALC	ALL DATA	144	81.4271	3.72244	.31020
	assumed	137	81.5693	3.78570	.32343
SGB_CALC	ALL DATA	134	16.4478	6.68554	.57754
	assumed	137	16.2482	6.67555	.57033
UPH_CALC	ALL DATA	128	8.9688	3.08524	.27270
	assumed	137	8.9635	2.96278	.25313
ATP_CALC	ALL DATA	149	34.7785	4.19716	.34384
	assumed	137	34.5730	4.22333	.36082
UTP_CALC	ALL DATA	171	42.4825	4.95506	.37892
	assumed	137	42.0073	5.11198	.43675
TBP_CALC	ALL DATA	130	48.5154	5.42780	.47605
	assumed	137	48.4489	5.30444	.45319
MPH_CALC	ALL DATA	130	17.2115	7.44537	.65300
	assumed	137	16.8942	7.37729	.63028
PAS_CALC	ALL DATA	129	11.9961	3.94122	.34700
	assumed	137	12.0182	3.88124	.33160

* COMPLETE หมายถึง ความสมบูรณ์ของข้อมูล

ALL DATA คือ ข้อมูลจากภาพรังสีทั้งหมด

assumed คือ ข้อมูลเฉพาะที่ผู้วิจัยพยายามกำหนดจุดและอ่านค่า

ตารางแสดงการทดสอบค่าเฉลี่ยพารามิเตอร์จากภาพรังสีระหว่างข้อมูลทั้งหมดและข้อมูลที่ผู้วิจัยพยายามกำหนดจุดและอ่านค่าด้วยสถิติอินดิเพนเดนต์ ที-เทสต์

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
SNA_CALC	Equal variances assumed	.000	.997	.434	322	.665	.1826	.42079	-.64523	1.01047
	Equal variances not assumed			.434	292.549	.665	.1826	.42105	-.64605	1.01129
SNB_CALC	Equal variances assumed	.011	.915	-.318	279	.751	-.1423	.44796	-1.02407	.73955
	Equal variances not assumed			-.317	277.758	.751	-.1423	.44815	-1.02446	.73994
SGB_CALC	Equal variances assumed	.000	.992	.246	269	.806	.1996	.81167	-1.39845	1.79762
	Equal variances not assumed			.246	268.849	.806	.1996	.81169	-1.39848	1.79765
UPH_CALC	Equal variances assumed	.115	.734	.014	263	.989	.0052	.37156	-.72636	.73686
	Equal variances not assumed			.014	259.933	.989	.0052	.37207	-.72741	.73791

ATP_CALC	Equal variances assumed	.032	.859	.412	284	.680	.2055	.49829	-.77528	1.18634
	Equal variances not assumed			.412	281.693	.680	.2055	.49842	-.77557	1.18663
UTP_CALC	Equal variances assumed	.214	.644	.825	306	.410	.4752	.57622	-.65870	1.60901
	Equal variances not assumed			.822	287.488	.412	.4752	.57821	-.66291	1.61322
TBP_CALC	Equal variances assumed	.038	.846	.101	265	.919	.0665	.65687	-1.22687	1.35983
	Equal variances not assumed			.101	263.493	.920	.0665	.65727	-1.22769	1.36065
MPH_CALC	Equal variances assumed	.070	.792	.350	265	.727	.3174	.90734	-1.46914	2.10390
	Equal variances not assumed			.350	263.991	.727	.3174	.90756	-1.46961	2.10436
PAS_CALC	Equal variances assumed	.032	.858	-.046	264	.963	-.0221	.47975	-.96674	.92249
	Equal variances not assumed			-.046	262.495	.963	-.0221	.47997	-.96720	.92295

ตารางแสดงข้อมูลสถิติเชิงพรรณาของค่าพารามิเตอร์จากภาพรังสีของข้อมูลที่สามารถวัดค่าได้ครบและข้อมูลที่ผู้วิจัยพยายามกำหนดจุดและอ่านค่า

Group Statistics

	COMPLETE	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	completed	114	85.5219	3.69907	.34645
	assumed	137	85.4270	3.75026	.32041
SNB_CALC	completed	114	81.5000	3.59695	.33689
	assumed	137	81.5693	3.78570	.32343
SGB_CALC	completed	114	16.0570	6.43750	.60293
	assumed	137	16.2482	6.67555	.57033
UPH_CALC	completed	114	8.9605	3.03457	.28421
	assumed	137	8.9635	2.96278	.25313
ATP_CALC	completed	114	34.3509	4.10371	.38435
	assumed	137	34.5730	4.22333	.36082
UTP_CALC	completed	114	42.0175	4.97780	.46621
	assumed	137	42.0073	5.11198	.43675
TBP_CALC	completed	114	48.6053	5.21123	.48808
	assumed	137	48.4489	5.30444	.45319
MPH_CALC	completed	114	16.5482	7.30649	.68432
	assumed	137	16.8942	7.37729	.63028
PAS_CALC	completed	114	11.8158	3.57861	.33517
	assumed	137	12.0182	3.88124	.33160

* COMPLETE หมายถึง ความสมบูรณ์ของข้อมูล

completed คือ ข้อมูลเฉพาะที่สามารถวัดค่าได้ครบ

assumed คือ ข้อมูลเฉพาะที่ผู้วิจัยพยายามกำหนดจุดและอ่านค่า

ตารางแสดงการทดสอบค่าเฉลี่ยพารามิเตอร์จากภาพรังสีระหว่างข้อมูลที่สามารถวัดค่าได้ครบและข้อมูลที่ผู้วิจัยพยายามกำหนดจุดและอ่านค่าด้วยสถิติอินดิเพนเดนต์ ที-เทสต์

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
SNA_CALC	Equal variances assumed	.099	.754	.201	249	.841	.0949	.47250	-.83567	1.02552
	Equal variances not assumed			.201	241.919	.841	.0949	.47190	-.83463	1.02448
SNB_CALC	Equal variances assumed	.253	.615	-.148	249	.883	-.0693	.46921	-.99348	.85479
	Equal variances not assumed			-.148	244.629	.882	-.0693	.46701	-.98922	.85054
SGB_CALC	Equal variances assumed	.138	.711	-.230	249	.819	-.1912	.83271	-1.83122	1.44890
	Equal variances not assumed			-.230	243.626	.818	-.1912	.82994	-1.82593	1.44361
UPH_CALC	Equal variances assumed	.110	.740	-.008	249	.994	-.0030	.37976	-.75092	.74496

	Equal variances not assumed			-.008	238.619	.994	-.0030	.38059	-.75273	.74677
ATP_CALC	Equal variances assumed	.078	.780	-.420	249	.675	-.2221	.52857	-1.26316	.81893
	Equal variances not assumed			-.421	243.076	.674	-.2221	.52718	-1.26054	.81630
UTP_CALC	Equal variances assumed	.030	.863	.016	249	.987	.0102	.64039	-1.25103	1.27152
	Equal variances not assumed			.016	242.917	.987	.0102	.63883	-1.24811	1.26859
TBP_CALC	Equal variances assumed	.020	.887	.234	249	.815	.1564	.66712	-1.15756	1.47027
	Equal variances not assumed			.235	242.235	.815	.1564	.66603	-1.15560	1.46831
MPH_CALC	Equal variances assumed	.001	.975	-.371	249	.711	-.3459	.93117	-2.17989	1.48806
	Equal variances not assumed			-.372	241.586	.710	-.3459	.93035	-2.17854	1.48671
PAS_CALC	Equal variances assumed	.106	.745	-.426	249	.670	-.2025	.47501	-1.13800	.73309
	Equal variances not assumed			-.429	246.360	.668	-.2025	.47148	-1.13111	.72619

ส่วนที่ 3 การจำแนกจำนวนผู้ป่วยในกลุ่ม OSAS ชนิดรุนแรง (ใช้โปรแกรม SPSS 11.5)

ตารางแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง

เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA น้อยกว่า 84.5 องศา

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	51	44.7	63.8	63.8
	Dx	29	25.4	36.3	100.0
	Total	80	70.2	100.0	
Missing	System	34	29.8		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง

เมื่อใช้เกณฑ์ของพารามิเตอร์ SNB น้อยกว่า 80.5 องศา

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	53	46.5	66.3	66.3
	Dx	27	23.7	33.8	100.0
	Total	80	70.2	100.0	
Missing	System	34	29.8		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง

เมื่อใช้เกณฑ์ของพารามิเตอร์ SN-Go-B มากกว่า 18.5 องศา

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	56	49.1	70.0	70.0
	Dx	24	21.1	30.0	100.0
	Total	80	70.2	100.0	
Missing	System	34	29.8		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS น้อยกว่า 28.0 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	76	66.7	95.0	95.0
	Dx	4	3.5	5.0	100.0
	Total	80	70.2	100.0	
Missing	System	34	29.8		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW น้อยกว่า 7.0 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	65	57.0	81.3	81.3
	Dx	15	13.2	18.8	100.0
	Total	80	70.2	100.0	
Missing	System	34	29.8		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PNS มากกว่า 49.0 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	70	61.4	87.5	87.5
	Dx	10	8.8	12.5	100.0
	Total	80	70.2	100.0	
Missing	System	34	29.8		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ TB-PNS มากกว่า 61.5 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	79	69.3	98.8	98.8
	Dx	1	.9	1.3	100.0
	Total	80	70.2	100.0	
Missing	System	34	29.8		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ MP-H มากกว่า 22.5 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	54	47.4	67.5	67.5
	Dx	26	22.8	32.5	100.0
	Total	80	70.2	100.0	
Missing	System	34	29.8		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ PAS น้อยกว่า 8.0 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	74	64.9	92.5	92.5
	Dx	6	5.3	7.5	100.0
	Total	80	70.2	100.0	
Missing	System	34	29.8		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA น้อยกว่า 78.5 องศา

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	32	28.1	94.1	94.1
	Dx	2	1.8	5.9	100.0
	Total	34	29.8	100.0	
Missing	System	80	70.2		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS น้อยกว่า 29.0 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	31	27.2	91.2	91.2
	Dx	3	2.6	8.8	100.0
	Total	34	29.8	100.0	
Missing	System	80	70.2		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW น้อยกว่า 5.5 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	30	26.3	88.2	88.2
	Dx	4	3.5	11.8	100.0
	Total	34	29.8	100.0	
Missing	System	80	70.2		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PNS มากกว่า 43.5 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	29	25.4	85.3	85.3
	Dx	5	4.4	14.7	100.0
	Total	34	29.8	100.0	
Missing	System	80	70.2		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ TB-PNS มากกว่า 48.5 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	31	27.2	91.2	91.2
	Dx	3	2.6	8.8	100.0
	Total	34	29.8	100.0	
Missing	System	80	70.2		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ MP-H มากกว่า 13.0 มิลลิเมตร

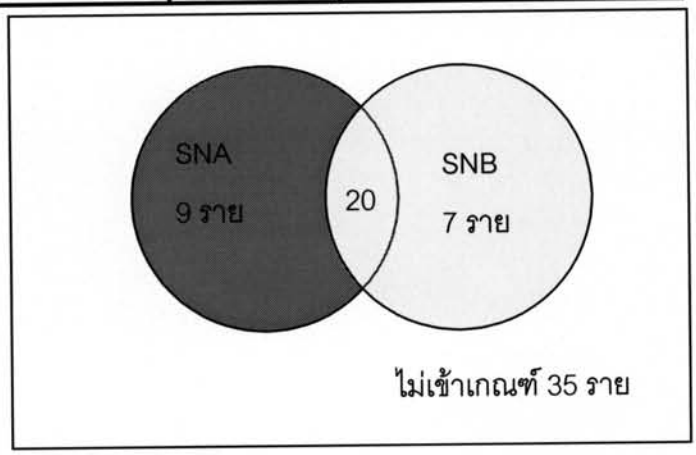
		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	25	21.9	73.5	73.5
	Dx	9	7.9	26.5	100.0
	Total	34	29.8	100.0	
Missing	System	80	70.2		
Total		114	100.0		

ตารางแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง
เมื่อใช้เกณฑ์ของพารามิเตอร์ PAS น้อยกว่า 7.0 มิลลิเมตร

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	not Dx	30	26.3	88.2	88.2
	Dx	4	3.5	11.8	100.0
	Total	34	29.8	100.0	
Missing	System	80	70.2		
Total		114	100.0		

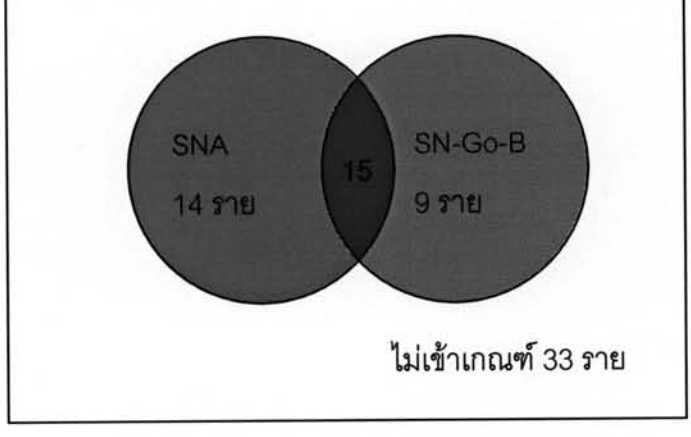
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ SNB

		SNB_MALE		Total
		not Dx	Dx	
SNA_MALE	not Dx	35	7	42
	Dx	9	20	29
Total		44	27	71



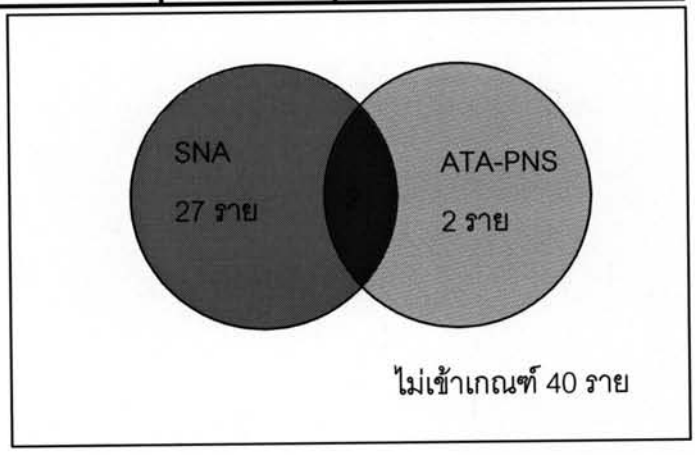
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ SN-Go-B

		SGB_MALE		Total
		not Dx	Dx	
SNA_MALE	not Dx	33	9	42
	Dx	14	15	29
Total		47	24	71



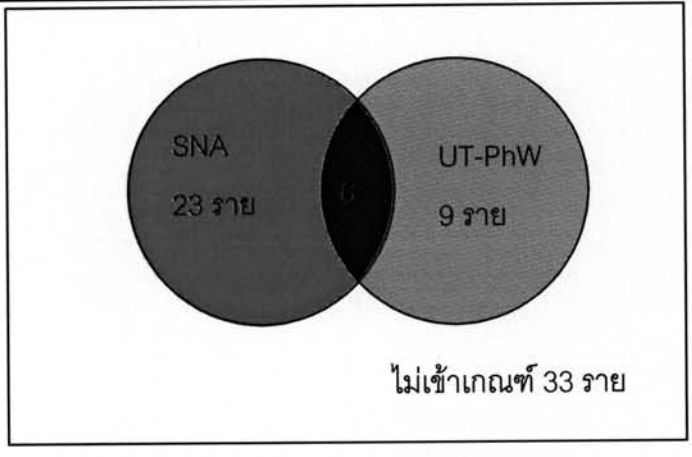
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ ATA-PNS

		ATP_MALE		Total
		not Dx	Dx	
SNA_MALE	not Dx	40	2	42
	Dx	27	2	29
Total		67	4	71



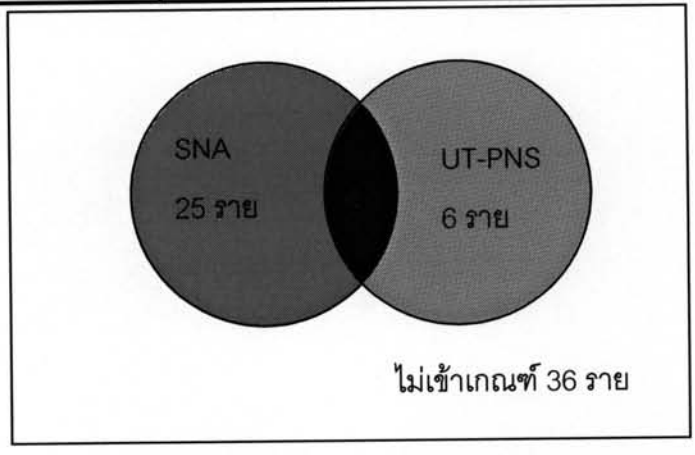
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ UT-PhW

		UPH_MALE		Total
		not Dx	Dx	
SNA_MALE	not Dx	33	9	42
	Dx	23	6	29
Total		56	15	71



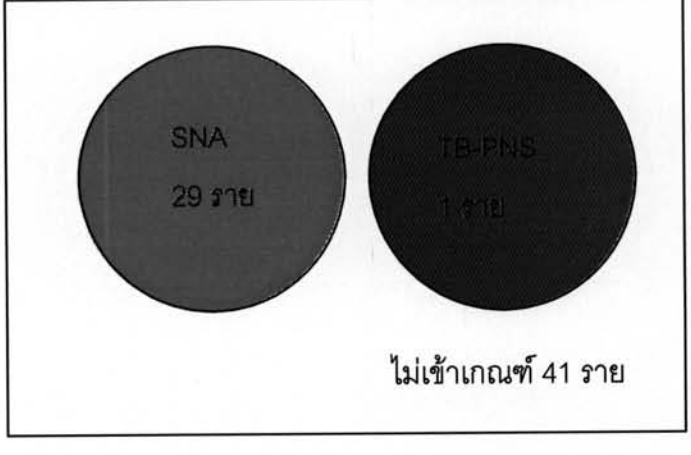
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ UT-PNS

		UTP_MALE		Total
		not Dx	Dx	
SNA_MALE	not Dx	36	6	42
	Dx	25	4	29
Total		61	10	71



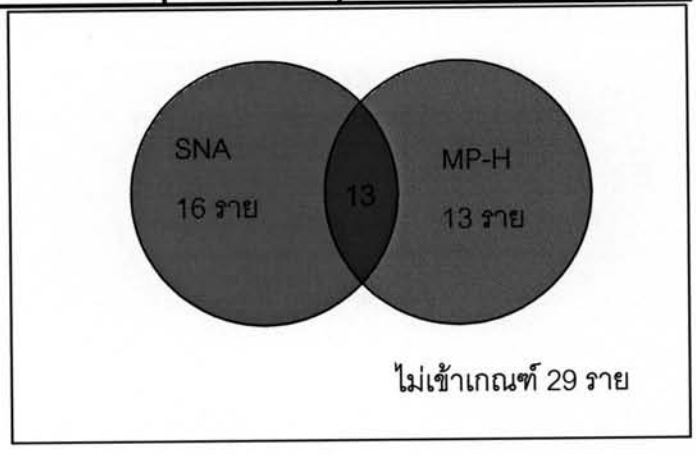
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ TB-PNS

		TBP_MALE		Total
		not Dx	Dx	
SNA_MALE	not Dx	41	1	42
	Dx	29	0	29
Total		70	1	71



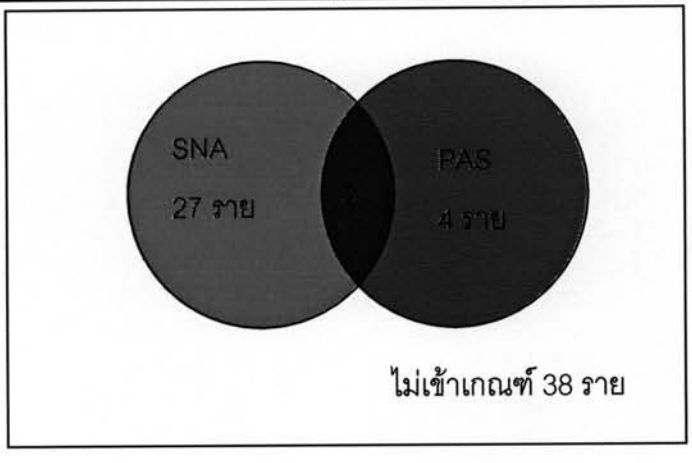
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ MP-H

		MPH_MALE		Total
		not Dx	Dx	
SNA_MALE	not Dx	29	13	42
	Dx	16	13	29
Total		45	26	71



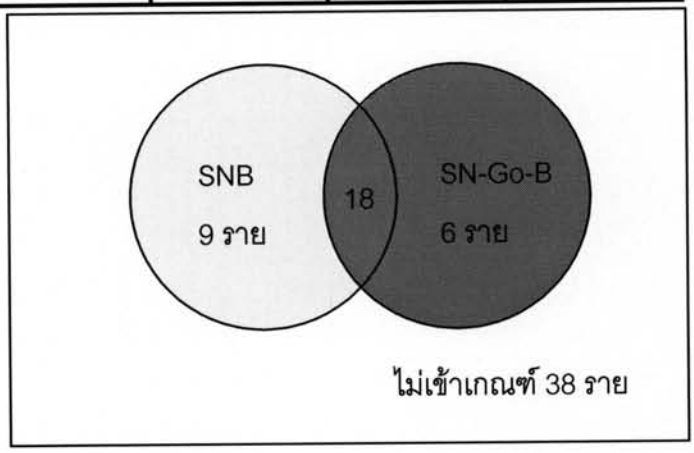
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ PAS

		PAS_MALE		Total
		not Dx	Dx	
SNA_MALE	not Dx	38	4	42
	Dx	27	2	29
Total		65	6	71



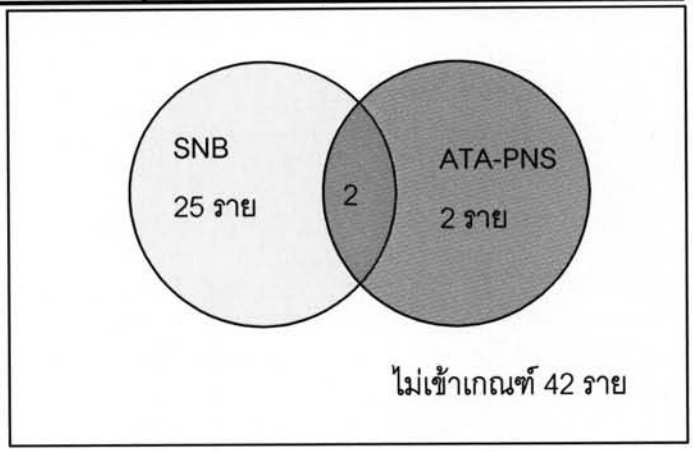
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNB ร่วมกับพารามิเตอร์ SN-Go-B

		SGB_MALE		Total
		not Dx	Dx	
SNB_MALE	not Dx	38	6	44
	Dx	9	18	27
Total		47	24	71



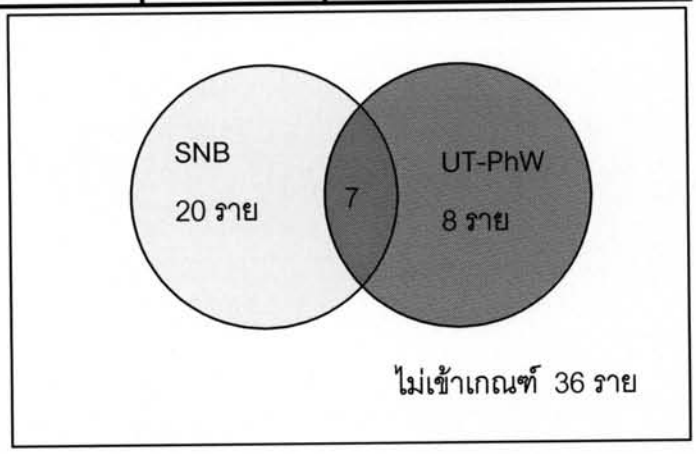
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNB ร่วมกับพารามิเตอร์ ATA-PNS

		ATP_MALE		Total
		not Dx	Dx	
SNB_MALE	not Dx	42	2	44
	Dx	25	2	27
Total		67	4	71



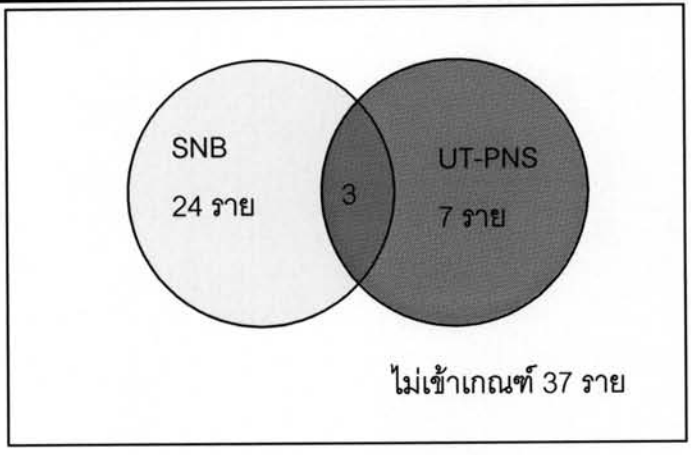
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNB ร่วมกับพารามิเตอร์ UT-PhW

		UPH_MALE		Total
		not Dx	Dx	
SNB_MALE	not Dx	36	8	44
	Dx	20	7	27
Total		56	15	71



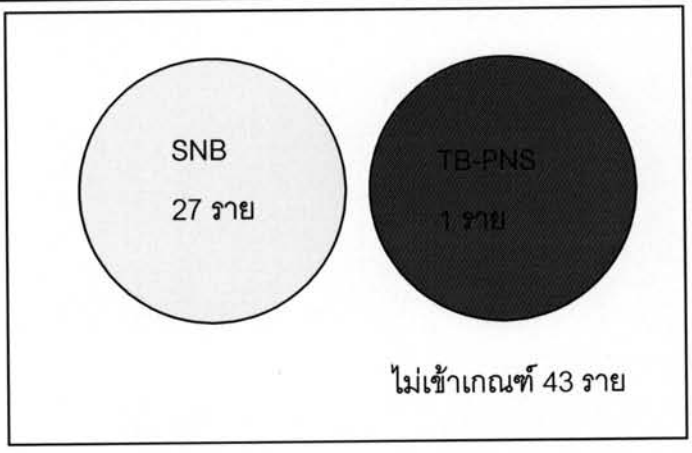
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNB ร่วมกับพารามิเตอร์ UT-PNS

		UTP_MALE		Total
		not Dx	Dx	
SNB_MALE	not Dx	37	7	44
	Dx	24	3	27
Total		61	10	71



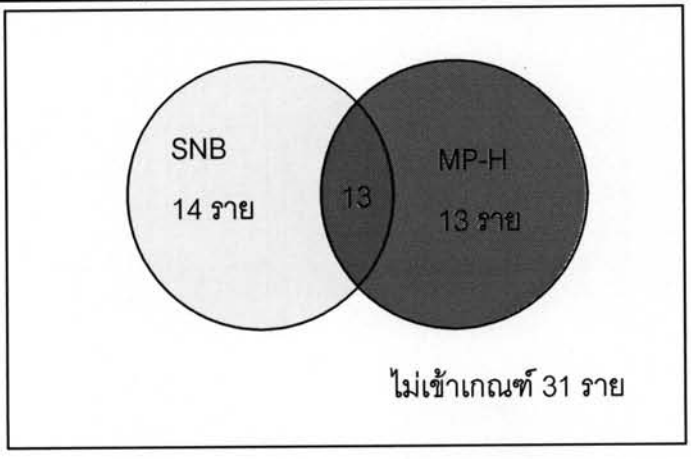
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNB ร่วมกับพารามิเตอร์ TB-PNS

		TBP_MALE		Total
		not Dx	Dx	
SNB_MALE	not Dx	43	1	44
	Dx	27	0	27
Total		70	1	71



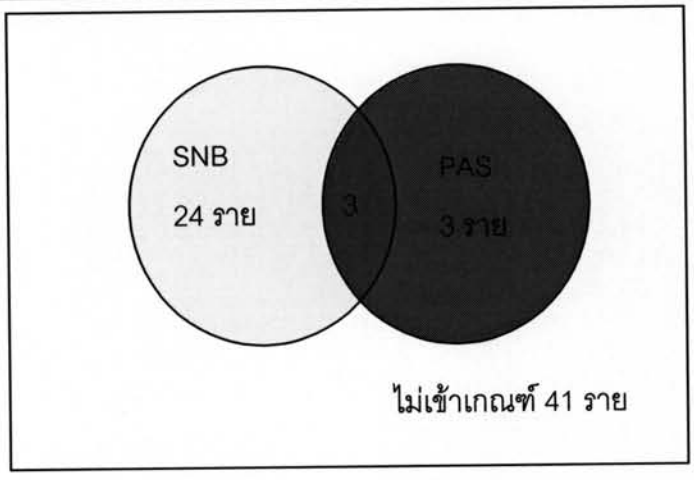
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNB ร่วมกับพารามิเตอร์ MP-H

		MPH_MALE		Total
		not Dx	Dx	
SNB_MALE	not Dx	31	13	44
	Dx	14	13	27
Total		45	26	71



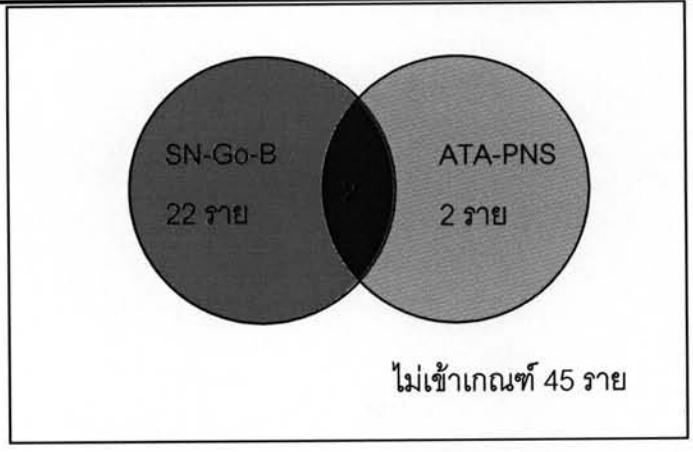
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNB ร่วมกับพารามิเตอร์ PAS

		PAS_MALE		Total
		not Dx	Dx	
SNB_MALE	not Dx	41	3	44
	Dx	24	3	27
Total		65	6	71



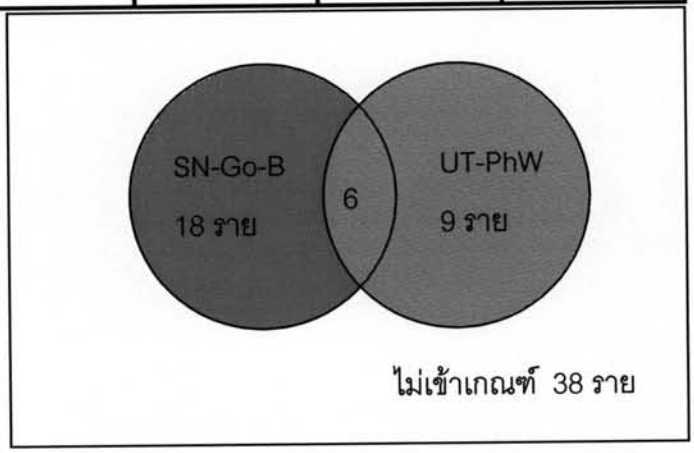
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SN-Go-B ร่วมกับพารามิเตอร์ ATA-PNS

		ATP_MALE		Total
		not Dx	Dx	
SGB_MALE	not Dx	45	2	47
	Dx	22	2	24
Total		67	4	71



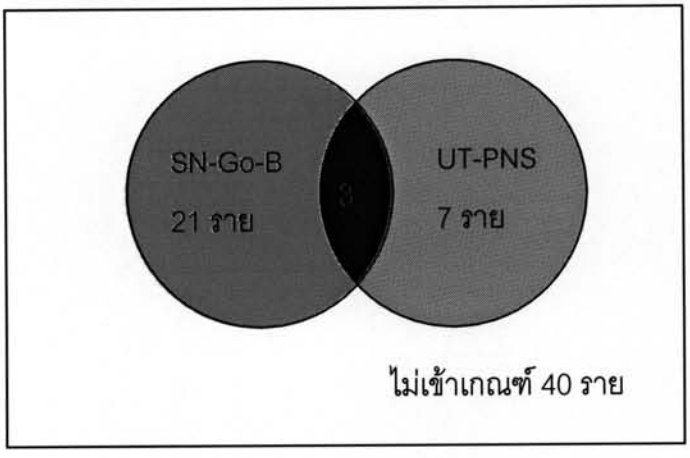
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SN-Go-B ร่วมกับพารามิเตอร์ UT-PhW

		UPH_MALE		Total
		not Dx	Dx	
SGB_MALE	not Dx	38	9	47
	Dx	18	6	24
Total		56	15	71



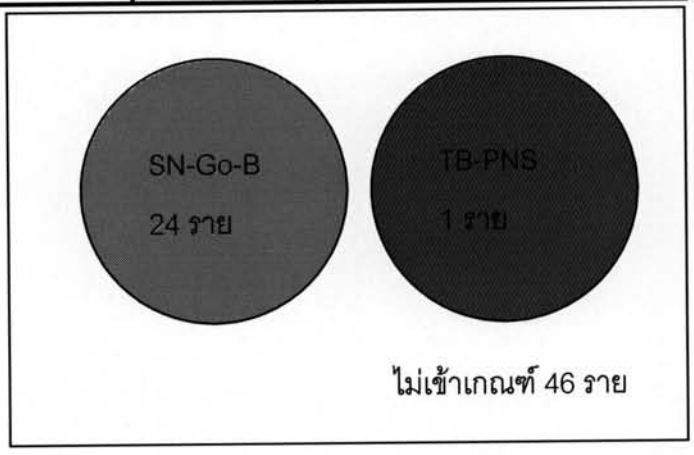
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SN-Go-B ร่วมกับพารามิเตอร์ UT-PNS

		UTP_MALE		Total
		not Dx	Dx	
SGB_MALE	not Dx	40	7	47
	Dx	21	3	24
Total		61	10	71



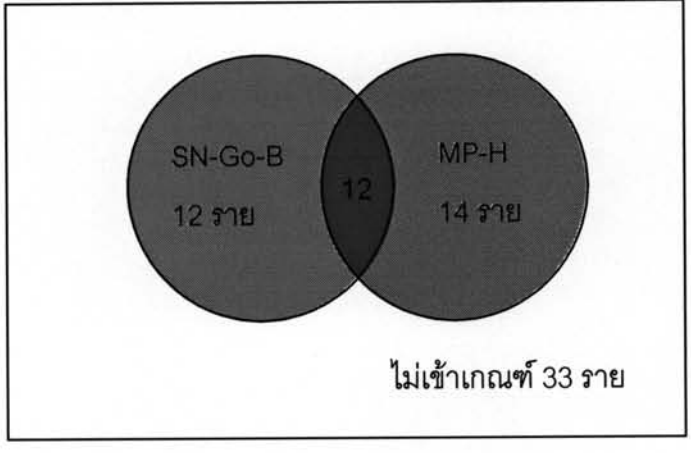
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SN-Go-B ร่วมกับพารามิเตอร์ TB-PNS

		TBP_MALE		Total
		not Dx	Dx	
SGB_MALE	not Dx	46	1	47
	Dx	24	0	24
Total		70	1	71



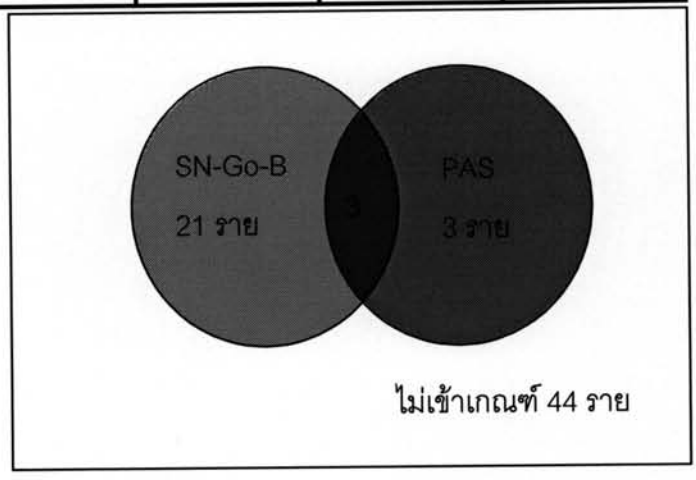
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SN-Go-B ร่วมกับพารามิเตอร์ MP-H

		MPH_MALE		Total
		not Dx	Dx	
SGB_MALE	not Dx	33	14	47
	Dx	12	12	24
Total		45	26	71



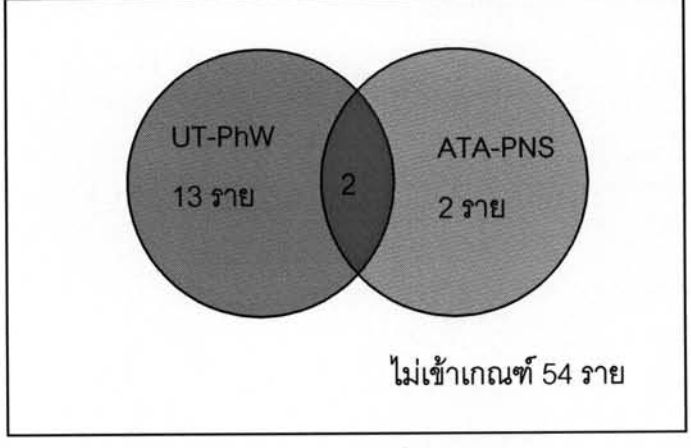
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SN-Go-B ร่วมกับพารามิเตอร์ PAS

		PAS_MALE		Total
		not Dx	Dx	
SGB_MALE	not Dx	44	3	47
	Dx	21	3	24
Total		65	6	71



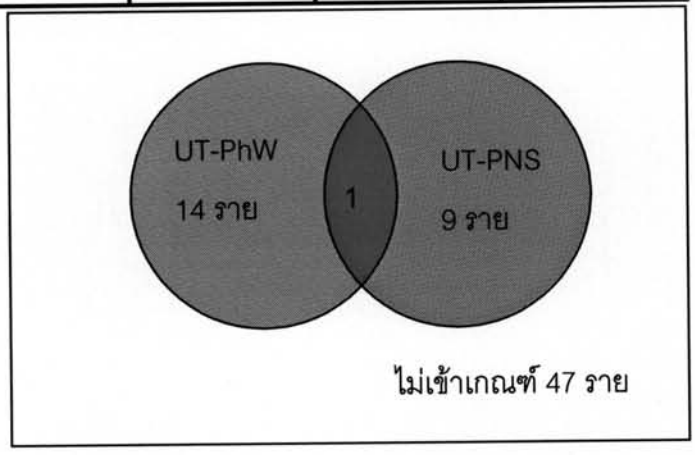
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW ร่วมกับพารามิเตอร์ ATA-PNS

		ATP_MALE		Total
		not Dx	Dx	
UPH_MALE	not Dx	54	2	56
	Dx	13	2	15
Total		67	4	71



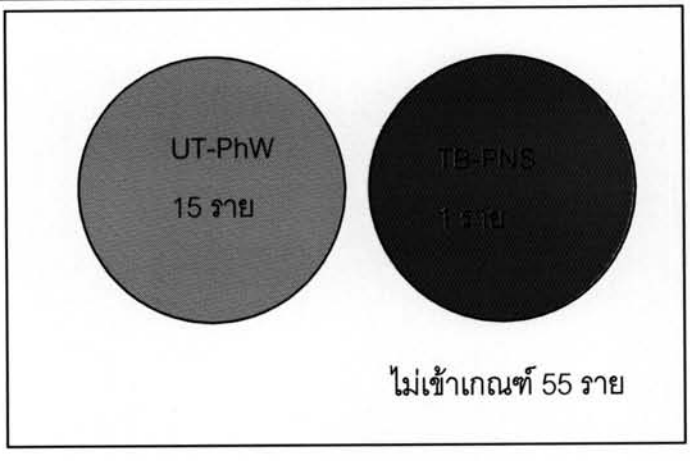
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW ร่วมกับพารามิเตอร์ UT-PNS

		UTP_MALE		Total
		not Dx	Dx	
UPH_MALE	not Dx	47	9	56
	Dx	14	1	15
Total		61	10	71



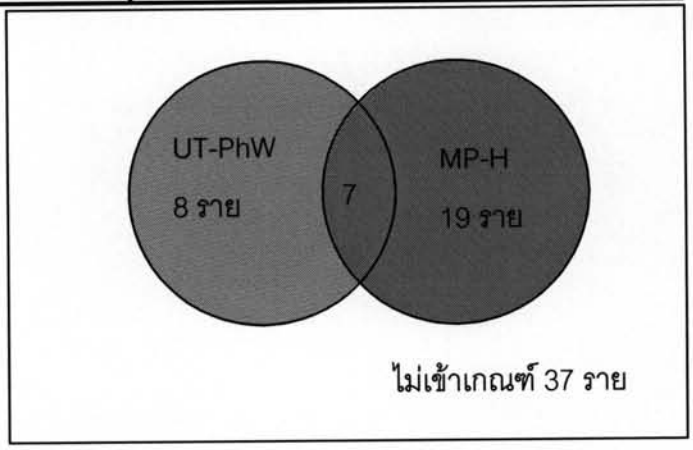
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW ร่วมกับพารามิเตอร์ TB-PNS

		TBP_MALE		Total
		not Dx	Dx	
UPH_MALE	not Dx	55	1	56
	Dx	15	0	15
Total		70	1	71



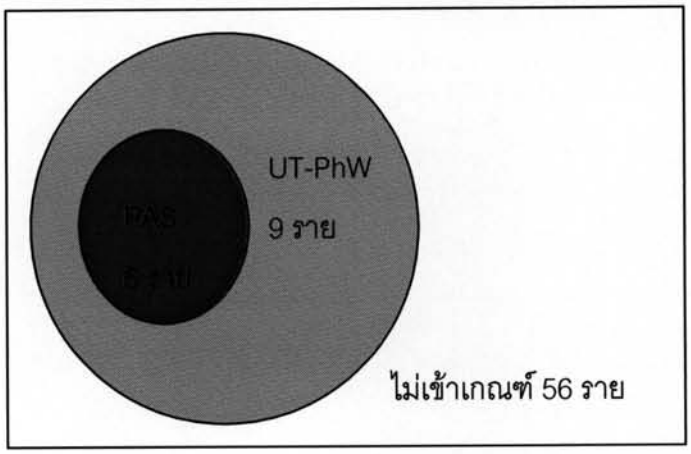
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW ร่วมกับพารามิเตอร์ MP-H

		MPH_MALE		Total
		not Dx	Dx	
UPH_MALE	not Dx	37	19	56
	Dx	8	7	15
Total		45	26	71



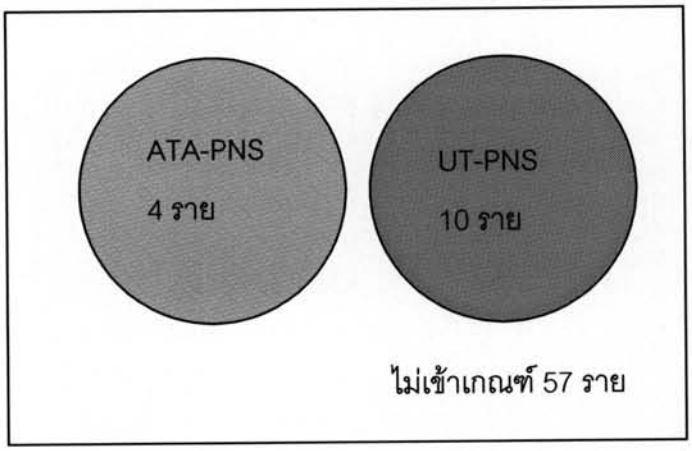
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW ร่วมกับพารามิเตอร์ PAS

		PAS_MALE		Total
		not Dx	Dx	
UPH_MALE	not Dx	56	0	56
	Dx	9	6	15
Total		65	6	71



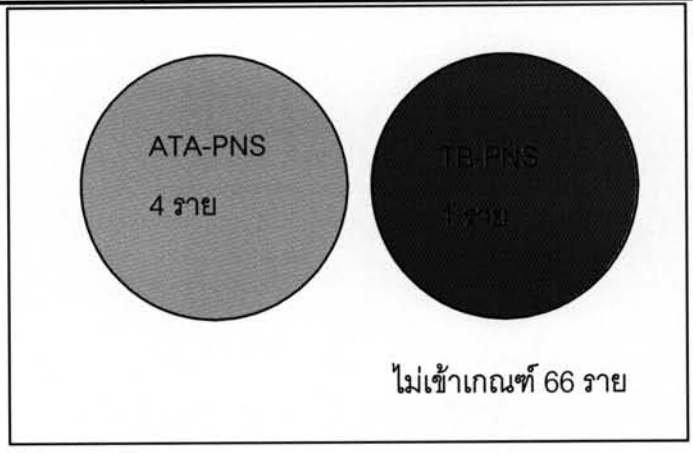
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS ร่วมกับพารามิเตอร์ UT-PNS

		UTP_MALE		Total
		not Dx	Dx	
ATP_MALE	not Dx	57	10	67
	Dx	4	0	4
Total		61	10	71



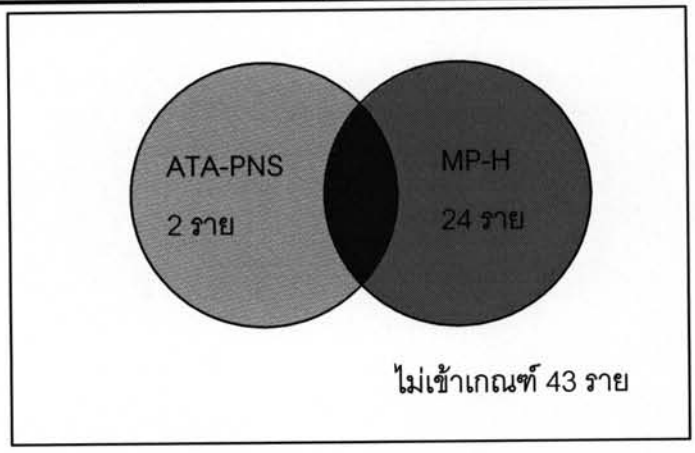
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS ร่วมกับพารามิเตอร์ TB-PNS

		TBP_MALE		Total
		not Dx	Dx	
ATP_MALE	not Dx	66	1	67
	Dx	4	0	4
Total		70	1	71



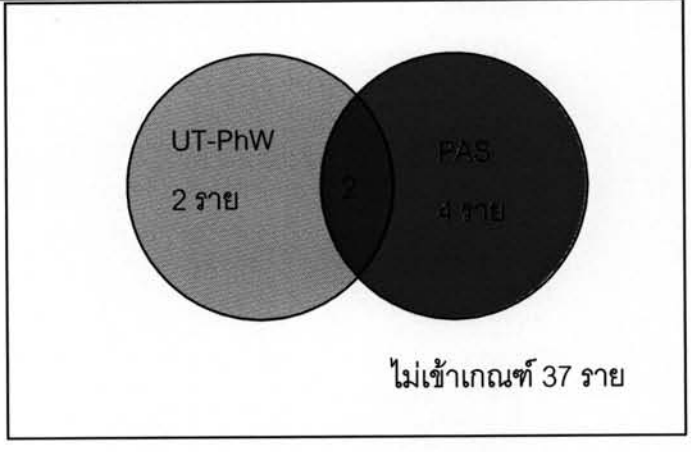
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS ร่วมกับพารามิเตอร์ MP-H

		MPH_MALE		Total
		not Dx	Dx	
ATP_MALE	not Dx	43	24	67
	Dx	2	2	4
Total		45	26	71



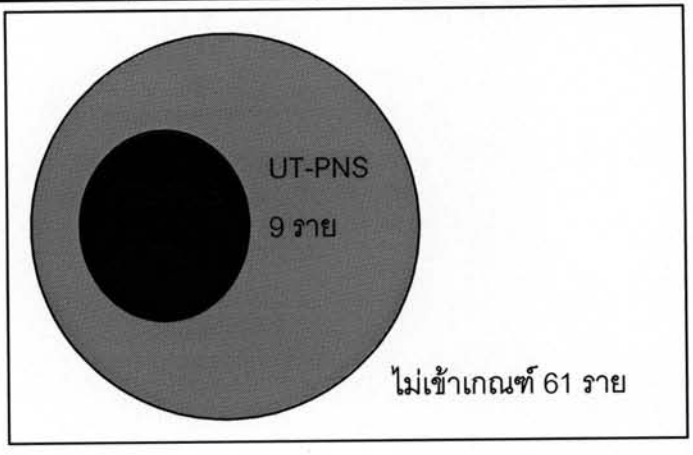
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS ร่วมกับพารามิเตอร์ PAS

		PAS_MALE		Total
		not Dx	Dx	
ATP_MALE	not Dx	63	4	67
	Dx	2	2	4
Total		65	6	71



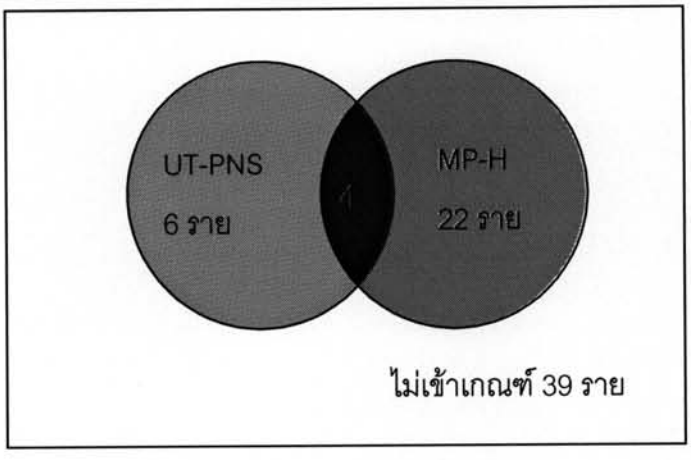
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PNS ร่วมกับพารามิเตอร์ TB-PNS

		TBP_MALE		Total
		not Dx	Dx	
UTP_MALE	not Dx	61	0	61
	Dx	9	1	10
Total		79	1	71



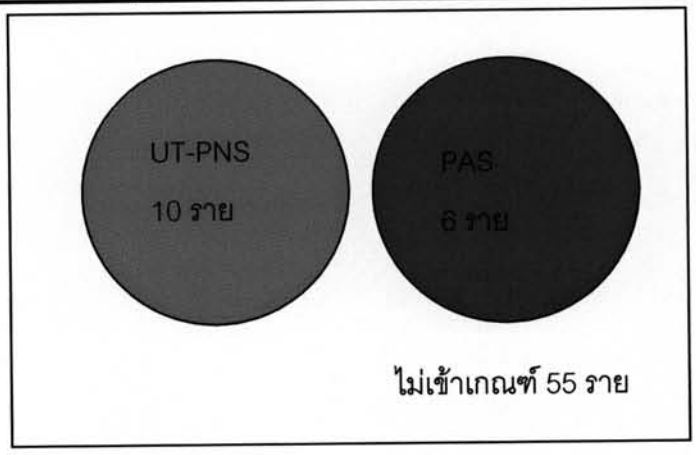
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PNS ร่วมกับพารามิเตอร์ MP-H

		MPH_MALE		Total
		not Dx	Dx	
UTP_MALE	not Dx	39	22	61
	Dx	6	4	10
Total		45	26	71



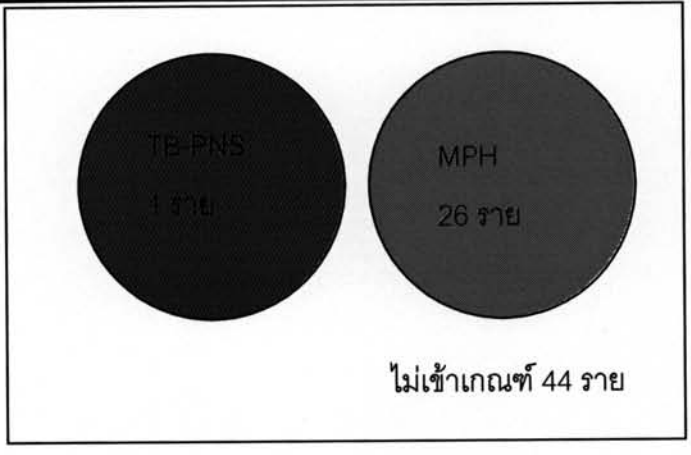
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PNS ร่วมกับพารามิเตอร์ PAS

		PAS_MALE		Total
		not Dx	Dx	
UTP_MALE	not Dx	55	6	61
	Dx	10	0	10
Total		65	6	71



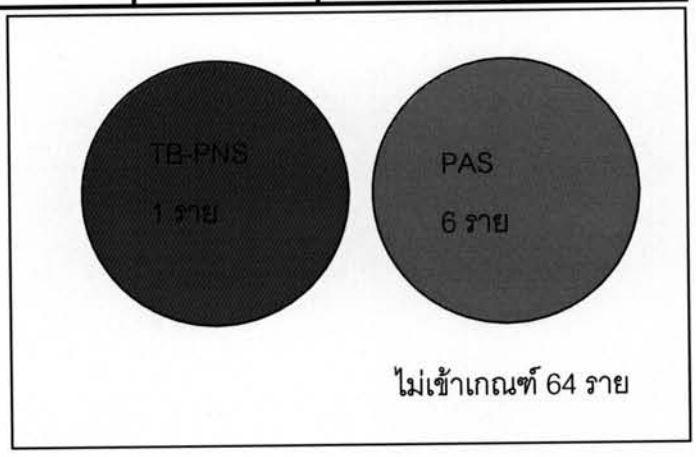
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ TB-PNS ร่วมกับพารามิเตอร์ MP-H

		MPH_MALE		Total
		not Dx	Dx	
TBP_MALE	not Dx	44	26	70
	Dx	1	0	1
Total		45	26	71



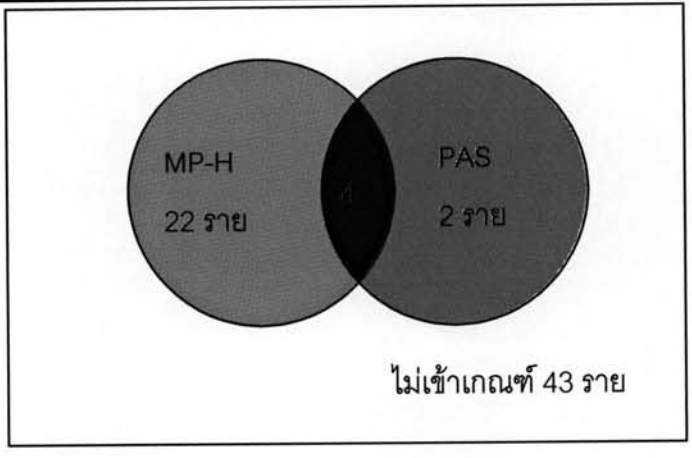
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ TB-PNS ร่วมกับพารามิเตอร์ PAS

		PAS_MALE		Total
		not Dx	Dx	
TBP_MALE	not Dx	64	6	70
	Dx	1	0	1
Total		65	6	71



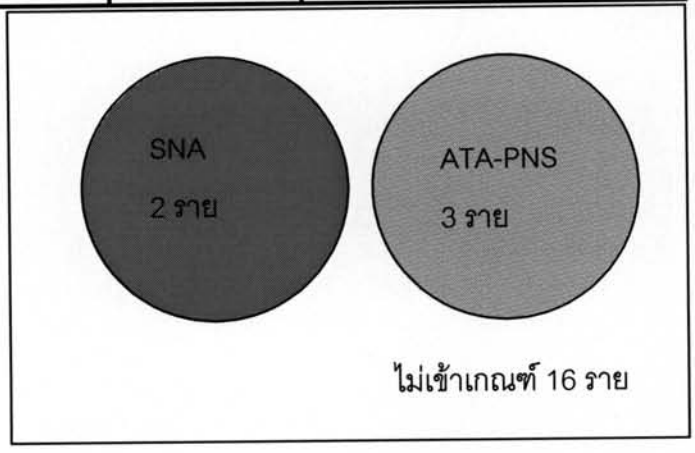
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยชายกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ MP-H ร่วมกับพารามิเตอร์ PAS

		PAS_MALE		Total
		not Dx	Dx	
MPH_MALE	not Dx	43	2	45
	Dx	22	4	26
Total		65	6	71



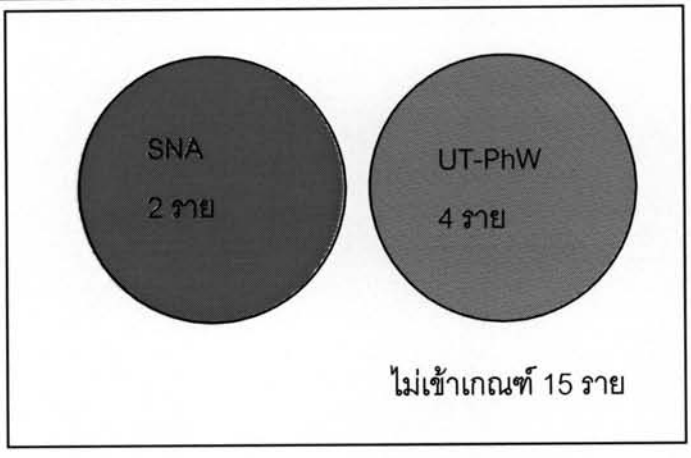
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ ATA-PNS

		ATP_FEM		Total
		not Dx	Dx	
SNA_FEM	not Dx	16	3	19
	Dx	2	0	2
Total		18	3	21



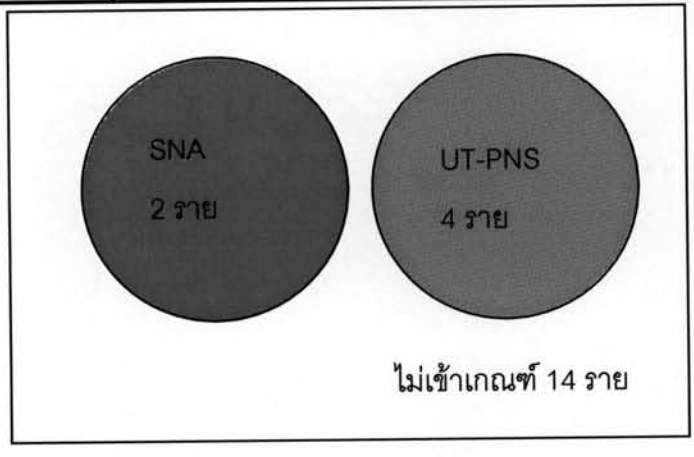
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ UT-PhW

		UPH_FEM		Total
		not Dx	Dx	
SNA_FEM	not Dx	15	4	19
	Dx	2	0	2
Total		17	4	21



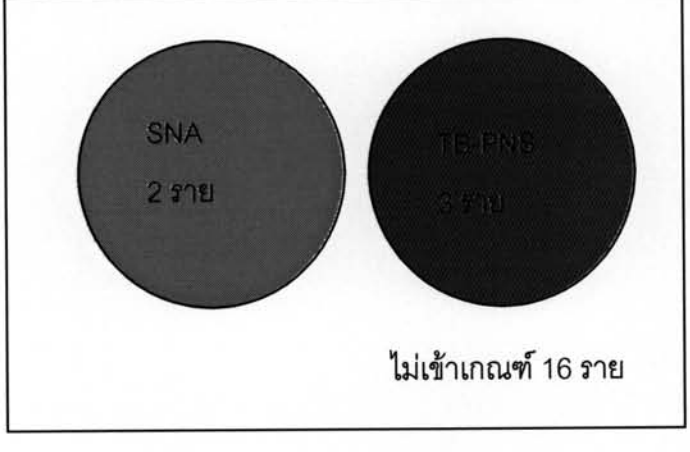
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ UT-PNS

		UTP_FEM		Total
		not Dx	Dx	
SNA_FEM	not Dx	14	5	19
	Dx	2	0	2
Total		16	5	21



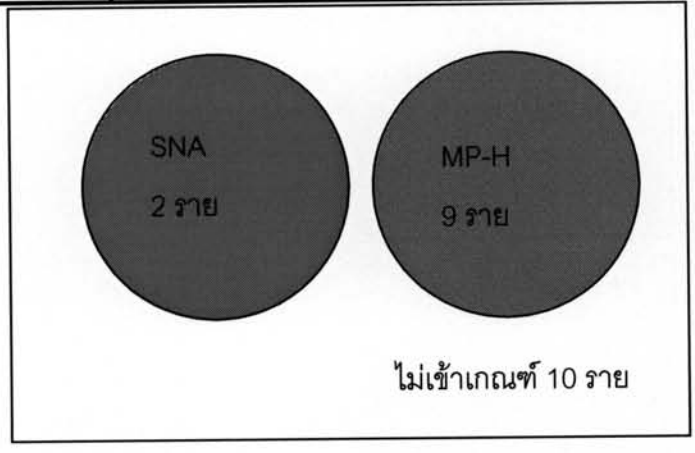
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ TB-PNS

		TBP_FEM		Total
		not Dx	Dx	
SNA_FEM	not Dx	16	3	19
	Dx	2	0	2
Total		18	3	21



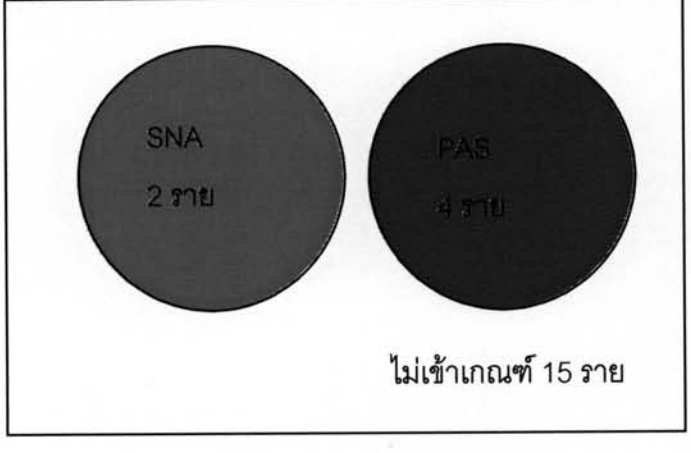
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ MP-H

		MPH_FEM		Total
		not Dx	Dx	
SNA_FEM	not Dx	10	9	19
	Dx	2	0	2
Total		12	9	21



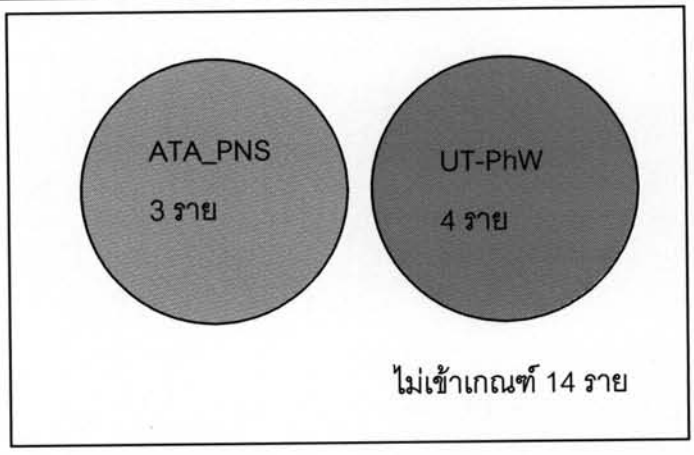
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ SNA ร่วมกับพารามิเตอร์ PAS

		PAS_FEM		Total
		not Dx	Dx	
SNA_FEM	not Dx	15	4	19
	Dx	2	0	2
Total		17	4	21



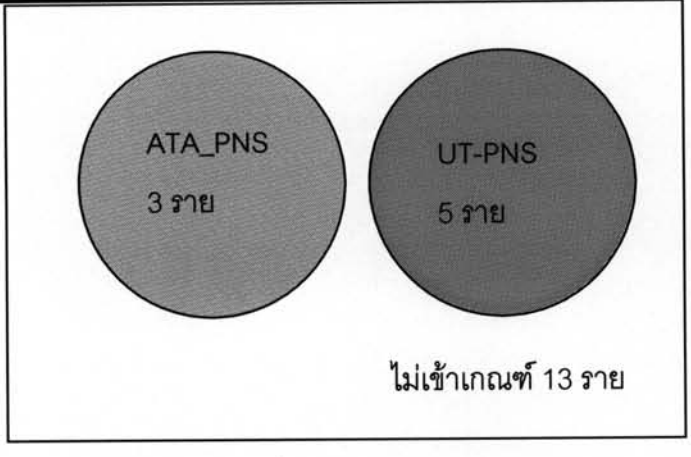
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS ร่วมกับพารามิเตอร์ UT-PhW

		UPH_FEM		Total
		not Dx	Dx	
ATP_FEM	not Dx	14	4	18
	Dx	3	0	3
Total		17	4	21



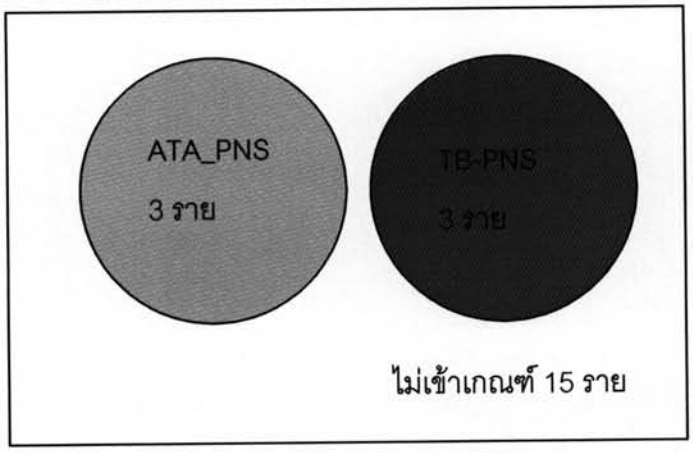
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS ร่วมกับพารามิเตอร์ UT-PNS

		UTP_FEM		Total
		not Dx	Dx	
ATP_FEM	not Dx	13	5	18
	Dx	3	0	3
Total		16	5	21



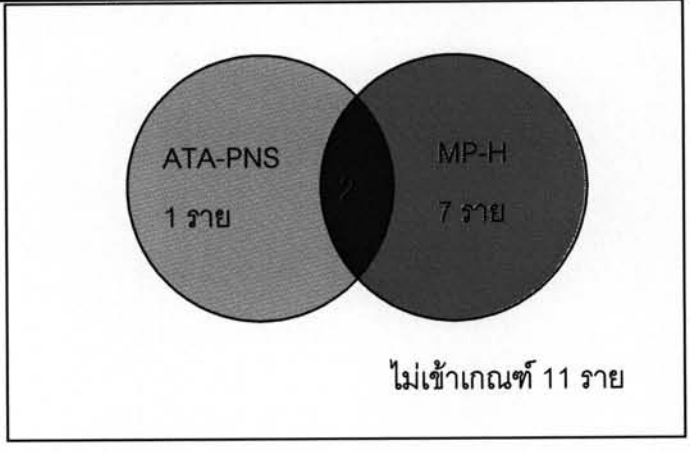
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS ร่วมกับพารามิเตอร์ TB-PNS

		TBP_FEM		Total
		not Dx	Dx	
ATP_FEM	not Dx	15	3	18
	Dx	3	0	3
Total		18	3	21



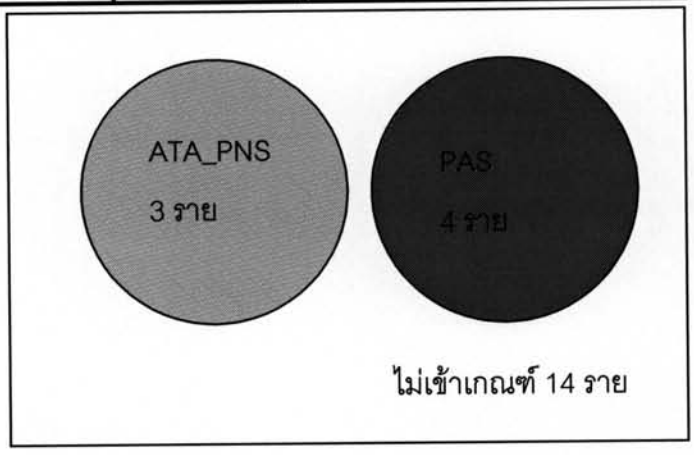
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS ร่วมกับพารามิเตอร์ MP-H

		MPH_FEM		Total
		not Dx	Dx	
ATP_FEM	not Dx	11	7	18
	Dx	1	2	3
Total		12	9	21



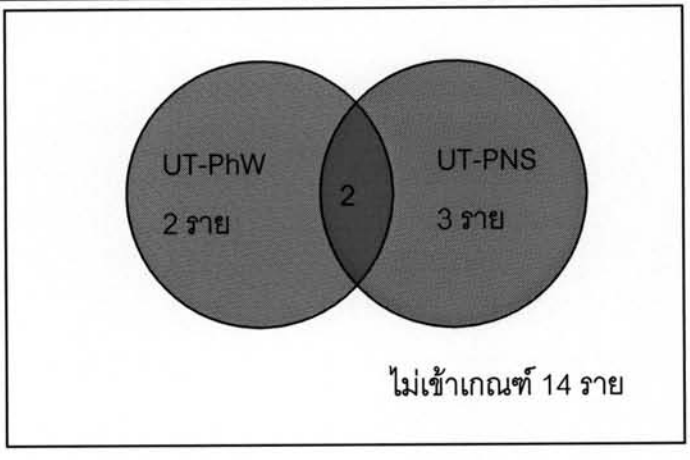
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ ATA-PNS ร่วมกับพารามิเตอร์ PAS

		PAS_FEM		Total
		not Dx	Dx	
ATP_FEM	not Dx	14	4	18
	Dx	3	0	3
Total		17	4	21



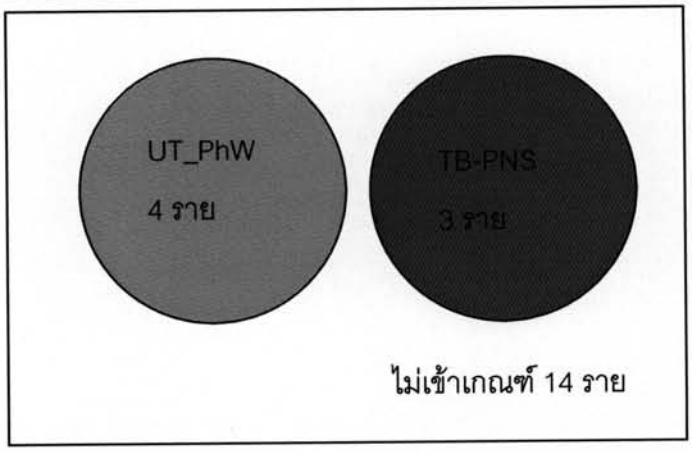
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW ร่วมกับพารามิเตอร์ UT-PNS

		UTP_FEM		Total
		not Dx	Dx	
UPH_FEM	not Dx	14	3	17
	Dx	2	2	4
Total		16	5	21



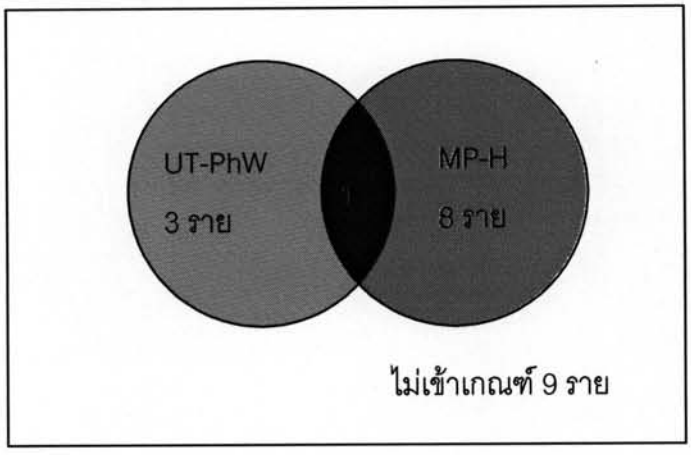
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW ร่วมกับพารามิเตอร์ TB-PNS

		TBP_FEM		Total
		not Dx	Dx	
UPH_FEM	not Dx	14	3	17
	Dx	4	0	4
Total		18	3	21



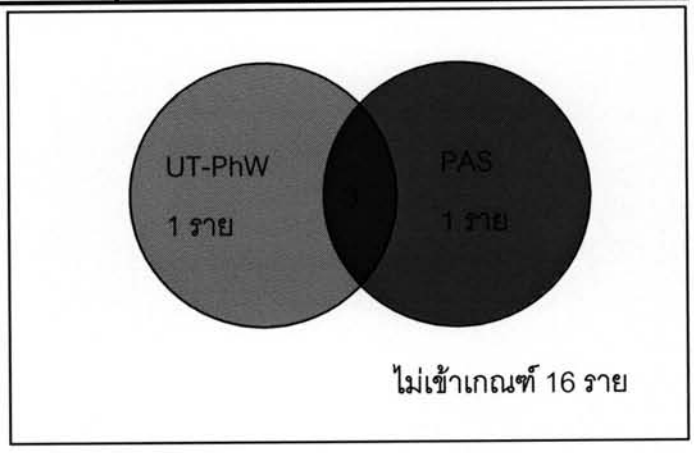
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW ร่วมกับพารามิเตอร์ MP-H

		MPH_FEM		Total
		not Dx	Dx	
UPH_FEM	not Dx	9	8	17
	Dx	3	1	4
Total		12	9	21



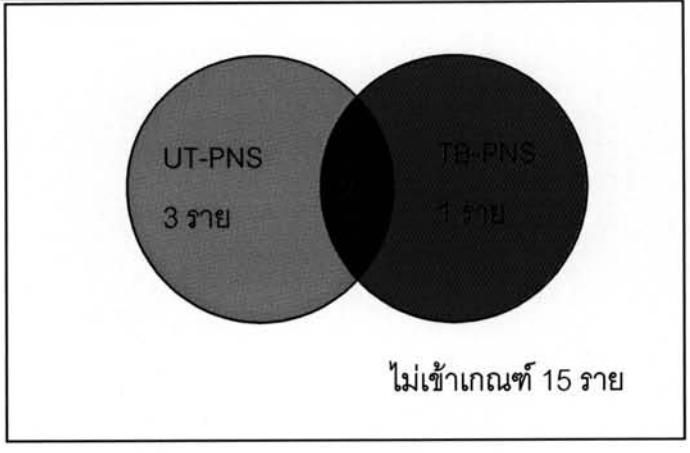
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PhW ร่วมกับพารามิเตอร์ PAS

		PAS_FEM		Total
		not Dx	Dx	
UPH_FEM	not Dx	16	1	17
	Dx	1	3	4
Total		17	4	21



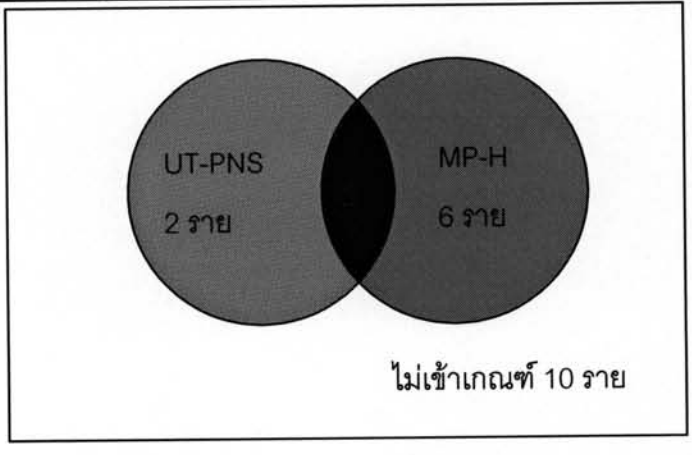
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PNS ร่วมกับพารามิเตอร์ TB-PNS

		TBP_FEM		Total
		not Dx	Dx	
UTP_FEM	not Dx	15	1	16
	Dx	3	2	5
Total		18	3	21



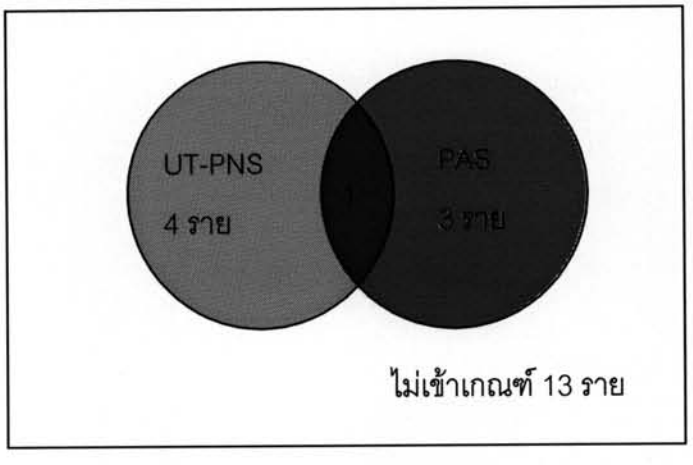
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PNS ร่วมกับพารามิเตอร์ MP-H

		MPH_FEM		Total
		not Dx	Dx	
UTP_FEM	not Dx	10	6	16
	Dx	2	3	5
Total		12	9	21



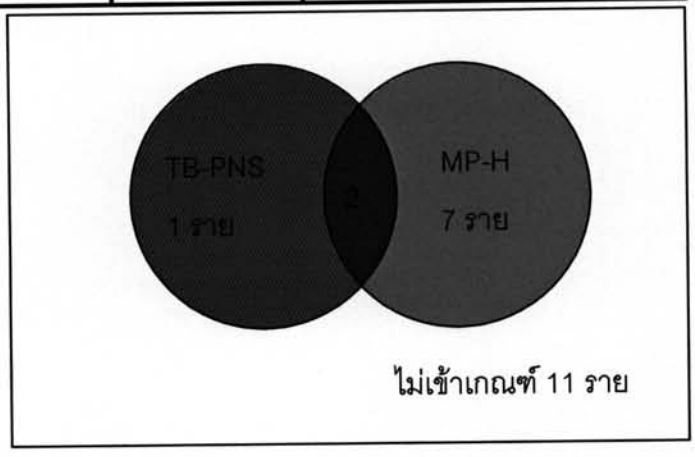
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ UT-PNS ร่วมกับพารามิเตอร์ PAS

		PAS_FEM		Total
		not Dx	Dx	
UTP_FEM	not Dx	13	3	26
	Dx	4	1	5
Total		17	4	21



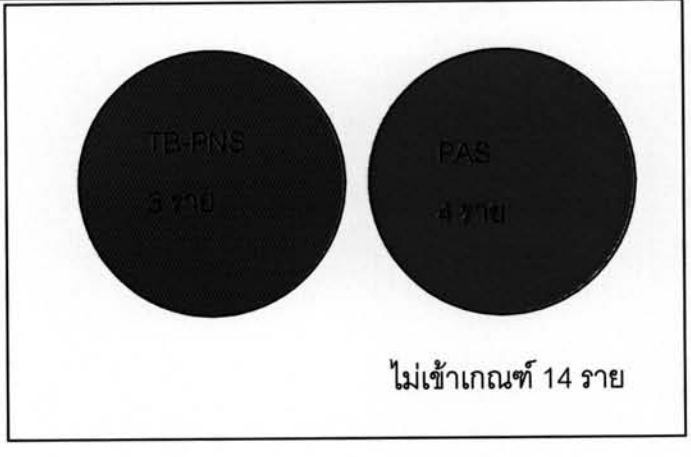
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ TB-PNS ร่วมกับพารามิเตอร์ MP-H

		MPH_FEM		Total
		not Dx	Dx	
TBP_FEM	not Dx	11	7	18
	Dx	1	2	3
Total		12	9	21



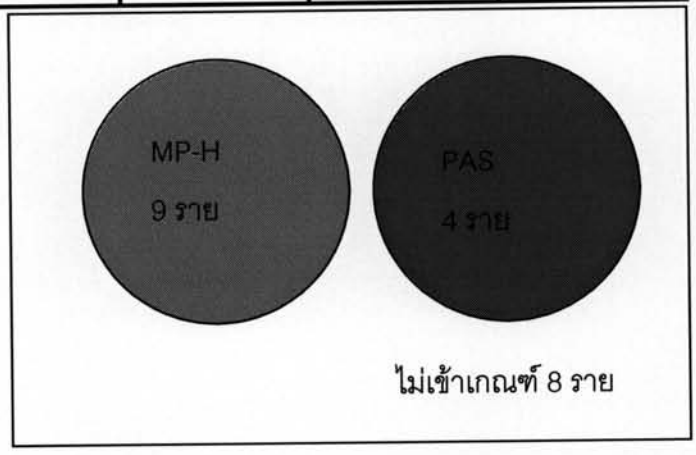
ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ TB-PNS ร่วมกับพารามิเตอร์ PAS

		PAS_FEM		Total
		not Dx	Dx	
TBP_FEM	not Dx	14	4	18
	Dx	3	0	3
Total		17	4	21



ตารางและแผนภาพแสดงการจำแนกจำนวนผู้ป่วยหญิงกลุ่ม OSAS ชนิดรุนแรง เมื่อใช้เกณฑ์ของพารามิเตอร์ MP-H ร่วมกับพารามิเตอร์ PAS

		PAS_FEM		Total
		not Dx	Dx	
MPH_FEM	not Dx	8	4	12
	Dx	9	0	9
Total		17	4	21



แสดงการจำแนกจำนวนผู้ป่วยกลุ่มOSASชนิดรุนแรงด้วยพารามิเตอร์ตั้งแต่ 3 ค่าขึ้นไป

คำนวณจำนวนผู้ป่วยที่จำแนกได้จากสูตรคำนวณ

$$P(A_1 \cup A_2 \cup \ldots \cup A_n) = \sum_{i=1}^{n} P(A_i) - \sum_{i<j=2}^{n} P(A_i \cap A_j) + \sum_{i<j<k=3}^{n} P(A_i \cap A_j \cap A_k) + \ldots$$

$$+ (-1)^{n-1} P(A_1 \cap A_2 \cap \ldots \cap A_n)$$

เมื่อให้ $A_1, A_2, \ldots, A_n$ แทนพารามิเตอร์ตั้งแต่ค่าที่1 ถึงค่าที่ n

และ $P(A)$ แทนจำนวนผู้ป่วยที่จำแนกได้โดยค่าพารามิเตอร์นั้น

การจำแนกจำนวนผู้ป่วยเพศชายเมื่อใช้พารามิเตอร์ 3 ค่าจาก 7 พารามิเตอร์

$$^{7}C_3 = 7! / 3!(7-3)!$$

$$= 35 \text{ กลุ่ม}$$

กลุ่มพารามิเตอร์	จำนวนผู้ป่วยที่จำแนกได้
SNB UB SN-GoB	41
SNA SNB ATA-PNS	37
SNA SNB UT-PhW	43
SNA SNB UT-PNS	42
SNA SNB MP-H	47
SNA SN-Go-B ATA-PNS	39

SNA SN-Go-B UT-PhW	45
SNA SN-Go-B UT-PNS	43
SNA SN-GoB MP-H	47
SNA ATA-PNS UT-PhW	39
SNA ATA-PNS UT-PNS	37
SNA ATA-PNS MP-H	43
SNA UT-PhW UT-PNS	43
SNA UT-PhW MP-H	47
SNA UT-PNS MP-H	45
SNB SN-Go-B ATA-PNS	35
SNB SN-Go-B UT-PhW	40
SNB SN-Go-B UT-PNS	38
SNB SN-GoB MP-H	44
SNB ATA-PNS UT-PhW	37
SNB ATA-PNS UT-PNS	36
SNB ATA-PNS MP-H	42
SNB UT-PhW UT-PNS	42
SNB UT-PhW MP-H	45
SNB UT-PNS MP-H	34
SN-Go-B ATA-PNS UT-PhW	35

SN-Go-B ATA-PNS UT-PNS	33
SN-Go-B ATA-PNS MP-H	40
SN-Go-B UT-PhW UT-PNS	39
SN-Go-B UT-PhW MP-H	45
SN-Go-B UT-PNS MP-H	42
ATA-PNS UT-PhW UT-PNS	26
ATA-PNS UT-PhW MP-H	36
ATA-PNS UT-PNS MP-H	34
UT-PhW UT-PNS MP-H	39

การจำแนกจำนวนผู้ป่วยเพศชายเมื่อใช้พารามิเตอร์ 4 ค่าจาก 7 พารามิเตอร์

$^{7}C_{4}$ = 7! / 4!(7-4)! = 35 กลุ่ม

กลุ่มพารามิเตอร์	จำนวนผู้ป่วยที่จำแนกได้
SNA SNB SN-Go-B ATA-PNS	42
SNA SNB SN-Go-B UT-PhW	43
SNA SNB SN-Go-B UT-PNS	46
SNA SNB SN-Go-B MP-H	50
SNA SNB ATA-PNS UT-PhW	44
SNA SNB ATA-PNS UT-PNS	43
SNA SNB ATA-PNS MP-H	48
SNA SNB UT-PhW UT-PNS	48
SNA SNB UT-PhW MP-H	51
SNA SNB UT-PNS MP-H	49
SNA SN-Go-B ATA-PNS UT-PhW	46
SNA SN-Go-B ATA-PNS UT-PNS	44
SNA SN-Go-B ATA-PNS MP-H	48
SNA SN-Go-B UT-PhW UT-PNS	49
SNA SN-Go-B UT-PhW MP-H	52
SNA SN-Go-B UT-PNS MP-H	50

SNA ATA-PNS UT-PhW UT-PNS	44
SNA ATA-PNS UT-PhW MP-H	48
SNA ATA-PNS UT-PNS MP-H	46
SNA UT-PhW UT-PNS MP-H	49
SNB SN-Go-B ATA-PNS UT-PhW	42
SNB SN-Go-B ATA-PNS UT-PNS	40
SNB SN-Go-B ATA-PNS MP-H	46
SNB SN-Go-B UT-PhW UT-PNS	44
SNB SN-Go-B UT-PhW MP-H	49
SNB SN-Go-B UT-PNS MP-H	47
SNB ATA-PNS UT-PhW UT-PNS	43
SNB ATA-PNS UT-PhW MP-H	47
SNB ATA-PNS UT-PNS MP-H	50
SNB UT-PhW UT-PNS MP-H	48
SN-Go-B ATA-PNS UT-PhW UT-PNS	41
SN-Go-B ATA-PNS UT-PhW MP-H	47
SN-Go-B ATA-PNS UT-PNS MP-H	44
SN-Go-B UT-PhW UT-PNS MP-H	48
ATA-PNS UT-PhW UT-PNS MP-H	41

การจำแนกจำนวนผู้ป่วยเพศชายเมื่อใช้พารามิเตอร์ 5 ค่าจาก 6 พารามิเตอร์

$^{6}C_{5}$ = 6! / 5!(6-5)! = 6 กลุ่ม

กลุ่มพารามิเตอร์	จำนวนผู้ป่วยที่จำแนกได้
SNA SNB ATA-PNS UT-PhW UT-PNS	49
SNA SNB ATA-PNS UT-PhW MP-H	54
SNA SNB ATA-PNS UT-PNS MP-H	51
SNA SNB UT-PhW UT-PNS MP-H	55
SNA ATA-PNS UT-PhW UT-PNS MP-H	51
SNB ATA-PNS UT-PhW UT-PNS MP-H	51

การจำแนกจำนวนผู้ป่วยเพศหญิงเมื่อใช้พารามิเตอร์ 3 ค่าจาก 7 พารามิเตอร์

$^{7}C_{3}$ = 7! / 3!(7-3)! = 35 กลุ่ม

กลุ่มพารามิเตอร์	จำนวนผู้ป่วยที่จำแนกได้
SNA ATA-PNS UT-PhW	9
SNA ATA-PNS UT-PNS	10
SNA ATA-PNS TB-PNS	8
SNA ATA-PNS MP-H	12
SNA ATA-PNS PAS	9
SNA UT-PhW UT-PNS	9
SNA UT-PhW TB-PNS	9
SNA UT-PhW MP-H	14
SNA UT-PhW PAS	7
SNA UT-PNS TB-PNS	8
SNA UT-PNS MP-H	13
SNA UT-PNS PAS	10
SNA TB-PNS MP-H	12
SNA TB-PNS PAS	9
SNA MP-H PAS	15
ATA-PNS UT-PhW UT-PNS	10

ATA-PNS UT-PhW TB-PNS	10
ATA-PNS UT-PhW MP-H	13
ATA-PNS UT-PhW PAS	8
ATA-PNS UT-PNS TB-PNS	9
ATA-PNS UT-PNS MP-H	12
ATA-PNS UT-PNS PAS	11
ATA-PNS TB-PNS MP-H	11
ATA-PNS TB-PNS PAS	10
ATA-PNS MP-H PAS	14
UT-PhW UT-PNS TB-PNS	8
UT-PhW UT-PNS MP-H	13
UT-PhW UT-PNS PAS	8
UT-PhW TB-PNS MP-H	13
UT-PhW TB-PNS PAS	8
UT-PhW MP-H PAS	13
UT-PNS TB-PNS MP-H	11
UT-PNS TB-PNS PAS	9
UT-PNS MP-H PAS	14
TB-PNS MP-H PAS	14

การจำแนกจำนวนผู้ป่วยเพศหญิงเมื่อใช้พารามิเตอร์ 4 ค่าจาก 5 พารามิเตอร์

$^{5}C_{4}$ = 5! / 4!(5-4)! = 5 กลุ่ม

กลุ่มพารามิเตอร์	จำนวนผู้ป่วยที่จำแนกได้
SNA ATA-PNS UT-PNS MP-H	14
SNA ATA-PNS UT-PNS PAS	13
SNA ATA-PNS MP-H PAS	16
SNA UT-PNS MP-H PAS	16
ATA-PNS UT-PNS MP-H PAS	15

ส่วนที่ 4 วิเคราะห์ความน่าเชื่อถือของค่าที่วัดโดยผู้วิจัย (ใช้โปรแกรม SPSS 11.5)
เปรียบเทียบค่าที่วัดจากภาพรังสีที่สุ่มขึ้นมาจำนวน 20 ภาพ (RN = 0094 ถึง 0113)
โดยผู้วิจัย(research)กับค่าที่วัดโดยนิสิตหลังปริญญา(postgrad) จำนวน 9 คน

RN = 0094

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	78.5000	.	.
	postgrad	9	79.9444	3.64387	1.21462
SNB_CALC	research	1	74.0000	.	.
	postgrad	9	74.6667	1.25000	.41667
SGB_CALC	research	1	24.5000	.	.
	postgrad	9	23.1667	3.49106	1.16369
UPH_CALC	research	1	11.0000	.	.
	postgrad	9	9.6111	2.17626	.72542
ATA_CALC	research	1	40.0000	.	.
	postgrad	9	35.5000	3.71652	1.23884
UTP_CALC	research	1	38.5000	.	.
	postgrad	9	38.8333	1.45774	.48591
TBP_CALC	research	1	47.0000	.	.
	postgrad	9	54.5000	21.61452	7.20484
MPH_CALC	research	1	12.5000	.	.
	postgrad	9	13.5556	2.50555	.83518
PAS_CALC	research	1	7.0000	.	.
	postgrad	9	6.9444	.91667	.30556

a RN = 0094

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.376	8	.717	-1.4444	3.84097	-10.30175	7.41286
SNB_CALC	Equal variances assumed	-.506	8	.627	-.6667	1.31762	-3.70509	2.37176
SGB_CALC	Equal variances assumed	.362	8	.726	1.3333	3.67990	-7.15253	9.81920
UPH_CALC	Equal variances assumed	.605	8	.562	1.3889	2.29398	-3.90104	6.67882
ATA_CALC	Equal variances assumed	1.149	8	.284	4.5000	3.91755	-4.53389	13.53389
UTP_CALC	Equal variances assumed	-.217	8	.834	-.3333	1.53659	-3.87672	3.21005
TBP_CALC	Equal variances assumed	-.329	8	.750	-7.5000	22.78371	-60.03932	45.03932
MPH_CALC	Equal variances assumed	-.400	8	.700	-1.0556	2.64108	-7.14590	5.03479
PAS_CALC	Equal variances assumed	.057	8	.956	.0556	.96625	-2.17262	2.28374

a RN = 0094

RN = 0095

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	83.5000	.	.
	postgrad	9	83.5556	5.98145	1.99382
UTP_CALC	research	1	42.0000	.	.
	postgrad	7	43.6429	4.06934	1.53807

a RN = 0095

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.009	8	.993	-.0556	6.30500	-14.59492	14.48381
UTP_CALC	Equal variances assumed	-.378	6	.719	-1.6429	4.35031	-12.28767	9.00196

a RN = 0095

RN = 0096

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	86.0000	.	.
	postgrad	9	85.9444	8.18323	2.72774
SNB_CALC	research	1	85.5000	.	.
	postgrad	9	84.2778	4.84840	1.61613
SGB_CALC	research	1	18.5000	.	.
	postgrad	9	15.0556	5.75241	1.91747
UPH_CALC	research	1	8.0000	.	.
	postgrad	9	8.9444	1.21049	.40350
ATA_CALC	research	1	28.0000	.	.
	postgrad	9	27.2222	1.95434	.65145
UTP_CALC	research	1	44.0000	.	.
	postgrad	9	39.2222	8.66426	2.88809
TBP_CALC	research	1	45.5000	.	.
	postgrad	9	45.7222	1.85592	.61864
MPH_CALC	research	1	22.5000	.	.
	postgrad	9	25.0556	1.60943	.53648
PAS_CALC	research	1	10.0000	.	.
	postgrad	9	9.3889	1.36423	.45474

a RN = 0096

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.006	8	.995	.0556	8.62588	-19.83577	19.94688
SNB_CALC	Equal variances assumed	.239	8	.817	1.2222	5.11066	-10.56298	13.00742
SGB_CALC	Equal variances assumed	.568	8	.586	3.4444	6.06358	-10.53819	17.42708
UPH_CALC	Equal variances assumed	-.740	8	.480	-.9444	1.27596	-3.88682	1.99794
ATA_CALC	Equal variances assumed	.378	8	.716	.7778	2.06006	-3.97272	5.52827
UTP_CALC	Equal variances assumed	.523	8	.615	4.7778	9.13293	-16.28281	25.83836
TBP_CALC	Equal variances assumed	-.114	8	.912	-.2222	1.95631	-4.73349	4.28904
MPH_CALC	Equal variances assumed	-1.506	8	.170	-2.5556	1.69649	-6.46767	1.35656
PAS_CALC	Equal variances assumed	.425	8	.682	.6111	1.43802	-2.70497	3.92719

a RN = 0096

RN = 0097

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	89.0000	.	.
	postgrad	9	88.5000	7.28440	2.42813
SNB_CALC	research	1	83.5000	.	.
	postgrad	9	82.7222	4.23609	1.41203
SGB_CALC	research	1	19.0000	.	.
	postgrad	9	20.2222	6.53410	2.17803
UPH_CALC	research	1	12.0000	.	.
	postgrad	9	10.7222	1.17556	.39185
ATA_CALC	research	1	29.0000	.	.
	postgrad	9	27.7222	1.64148	.54716
UTP_CALC	research	1	39.0000	.	.
	postgrad	9	40.5000	3.04138	1.01379
TBP_CALC	research	1	47.0000	.	.
	postgrad	9	47.7222	2.26538	.75513
MPH_CALC	research	1	9.5000	.	.
	postgrad	9	10.3333	.79057	.26352
PAS_CALC	research	1	10.0000	.	.
	postgrad	9	9.5556	2.49305	.83102

a RN = 0097

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.065	8	.950	.5000	7.67843	-17.20650	18.20650
SNB_CALC	Equal variances assumed	.174	8	.866	.7778	4.46523	-9.51906	11.07461
SGB_CALC	Equal variances assumed	-.177	8	.864	-1.2222	6.88754	-17.10493	14.66048
UPH_CALC	Equal variances assumed	1.031	8	.333	1.2778	1.23915	-1.57971	4.13526
ATA_CALC	Equal variances assumed	.738	8	.481	1.2778	1.73027	-2.71223	5.26778
UTP_CALC	Equal variances assumed	-.468	8	.652	-1.5000	3.20590	-8.89281	5.89281
TBP_CALC	Equal variances assumed	-.302	8	.770	-.7222	2.38792	-6.22877	4.78433
MPH_CALC	Equal variances assumed	-1.000	8	.347	-.8333	.83333	-2.75500	1.08834
PAS_CALC	Equal variances assumed	.169	8	.870	.4444	2.62790	-5.61551	6.50440

a RN = 0097

RN = 0098

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	88.0000	.	.
	postgrad	8	84.0000	6.65475	2.35281
SNB_CALC	research	1	82.5000	.	.
	postgrad	8	81.5625	4.87294	1.72284
SGB_CALC	research	1	12.5000	.	.
	postgrad	8	12.8750	4.64258	1.64140
UPH_CALC	research	1	7.0000	.	.
	postgrad	9	8.3889	1.29368	.43123
ATA_CALC	research	1	37.0000	.	.
	postgrad	9	30.2778	4.84840	1.61613
UTP_CALC	research	1	39.0000	.	.
	postgrad	9	38.3333	1.93649	.64550
TBP_CALC	research	1	51.0000	.	.
	postgrad	9	49.1111	4.38590	1.46197
MPH_CALC	research	1	8.0000	.	.
	postgrad	9	11.2778	2.19532	.73177
PAS_CALC	research	1	8.0000	.	.
	postgrad	9	7.7778	2.50139	.83380

a RN = 0098

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.567	7	.589	4.0000	7.05843	-12.69053	20.69053
SNB_CALC	Equal variances assumed	.181	7	.861	.9375	5.16853	-11.28414	13.15914
SGB_CALC	Equal variances assumed	-.076	7	.941	-.3750	4.92420	-12.01889	11.26889
UPH_CALC	Equal variances assumed	-1.019	8	.338	-1.3889	1.36366	-4.53349	1.75572
ATA_CALC	Equal variances assumed	1.315	8	.225	6.7222	5.11066	-5.06298	18.50742
UTP_CALC	Equal variances assumed	.327	8	.752	.6667	2.04124	-4.04044	5.37378
TBP_CALC	Equal variances assumed	.409	8	.694	1.8889	4.62314	-8.77210	12.54988
MPH_CALC	Equal variances assumed	-1.416	8	.194	-3.2778	2.31407	-8.61404	2.05849
PAS_CALC	Equal variances assumed	.084	8	.935	.2222	2.63669	-5.85801	6.30245

a RN = 0098

RN = 0099

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	90.0000	.	.
	postgrad	9	89.4444	5.56465	1.85488
UTP_CALC	research	1	46.5000	.	.
	postgrad	8	43.5625	4.27983	1.51315

a RN = 0099

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.095	8	.927	.5556	5.86565	-12.97066	14.08177
UTP_CALC	Equal variances assumed	.647	7	.538	2.9375	4.53945	-7.79659	13.67159

a RN = 0099

RN = 0100

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	86.5000	.	.
	postgrad	9	83.7778	8.29951	2.76650
SNB_CALC	research	1	86.5000	.	.
	postgrad	9	84.5556	4.11889	1.37296
SGB_CALC	research	1	13.0000	.	.
	postgrad	9	15.0556	5.33529	1.77843
UPH_CALC	research	1	6.5000	.	.
	postgrad	9	6.8333	1.34629	.44876
ATA_CALC	research	1	34.0000	.	.
	postgrad	8	31.5000	2.56348	.90633
UTP_CALC	research	1	39.5000	.	.
	postgrad	9	38.6667	2.17945	.72648
TBP_CALC	research	1	48.0000	.	.
	postgrad	9	48.3889	2.45939	.81980
MPH_CALC	research	1	8.0000	.	.
	postgrad	9	10.3333	1.56125	.52042
PAS_CALC	research	1	7.0000	.	.
	postgrad	9	7.6667	1.47902	.49301

a RN = 0100

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.311	8	.764	2.7222	8.74846	-17.45175	22.89620
SNB_CALC	Equal variances assumed	.448	8	.666	1.9444	4.34169	-8.06752	11.95641
SGB_CALC	Equal variances assumed	-.366	8	.724	-2.0556	5.62389	-15.02426	10.91315
UPH_CALC	Equal variances assumed	-.235	8	.820	-.3333	1.41912	-3.60582	2.93915
ATA_CALC	Equal variances assumed	.919	7	.388	2.5000	2.71898	-3.92937	8.92937
UTP_CALC	Equal variances assumed	.363	8	.726	.8333	2.29734	-4.46435	6.13101
TBP_CALC	Equal variances assumed	-.150	8	.884	-.3889	2.59243	-6.36704	5.58926
MPH_CALC	Equal variances assumed	-1.418	8	.194	-2.3333	1.64570	-6.12833	1.46166
PAS_CALC	Equal variances assumed	-.428	8	.680	-.6667	1.55902	-4.26178	2.92845

a RN = 0100

RN = 0101

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	89.0000	.	.
	postgrad	9	84.8889	6.63691	2.21230
SNB_CALC	research	1	84.5000	.	.
	postgrad	9	82.8333	5.18411	1.72804
SGB_CALC	research	1	15.5000	.	.
	postgrad	9	15.7778	4.60374	1.53458
UPH_CALC	research	1	7.0000	.	.
	postgrad	9	8.1667	1.87083	.62361
ATA_CALC	research	1	33.5000	.	.
	postgrad	9	29.7222	2.59941	.86647
UTP_CALC	research	1	37.0000	.	.
	postgrad	9	36.3333	1.47902	.49301
TBP_CALC	research	1	42.5000	.	.
	postgrad	9	40.9444	1.82764	.60921
MPH_CALC	research	1	11.5000	.	.
	postgrad	9	15.5000	2.01556	.67185
PAS_CALC	research	1	12.5000	.	.
	postgrad	9	13.1111	1.21906	.40635

a RN = 0101

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.588	8	.573	4.1111	6.99592	-12.02151	20.24373
SNB_CALC	Equal variances assumed	.305	8	.768	1.6667	5.46453	-10.93457	14.26790
SGB_CALC	Equal variances assumed	-.057	8	.956	-.2778	4.85277	-11.46829	10.91273
UPH_CALC	Equal variances assumed	-.592	8	.570	-1.1667	1.97203	-5.71417	3.38083
ATA_CALC	Equal variances assumed	1.379	8	.205	3.7778	2.74002	-2.54072	10.09628
UTP_CALC	Equal variances assumed	.428	8	.680	.6667	1.55902	-2.92845	4.26178
TBP_CALC	Equal variances assumed	.807	8	.443	1.5556	1.92650	-2.88697	5.99808
MPH_CALC	Equal variances assumed	-1.883	8	.097	-4.0000	2.12459	-8.89932	.89932
PAS_CALC	Equal variances assumed	-.476	8	.647	-.6111	1.28500	-3.57434	2.35211

a RN = 0101

RN = 0102

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	91.5000	.	.
	postgrad	9	88.6111	2.43385	.81128
SNB_CALC	research	1	88.0000	.	.
	postgrad	9	88.0000	1.41421	.47140
SGB_CALC	research	1	10.0000	.	.
	postgrad	9	10.2222	2.10819	.70273
UPH_CALC	research	1	11.0000	.	.
	postgrad	9	11.5000	2.23607	.74536
ATA_CALC	research	1	34.5000	.	.
	postgrad	9	33.7222	2.30639	.76880
UTP_CALC	research	1	35.0000	.	.
	postgrad	9	37.7778	2.77389	.92463
TBP_CALC	research	1	45.0000	.	.
	postgrad	9	45.5000	1.43614	.47871
MPH_CALC	research	1	5.5000	.	.
	postgrad	9	9.7778	2.58736	.86245
PAS_CALC	research	1	12.0000	.	.
	postgrad	9	11.2222	.75462	.25154

a RN = 0102

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	1.126	8	.293	2.8889	2.56550	-3.02716	8.80494
SNB_CALC	Equal variances assumed	.000	8	1.000	.0000	1.49071	-3.43759	3.43759
SGB_CALC	Equal variances assumed	-.100	8	.923	-.2222	2.22222	-5.34668	4.90223
UPH_CALC	Equal variances assumed	-.212	8	.837	-.5000	2.35702	-5.93530	4.93530
ATA_CALC	Equal variances assumed	.320	8	.757	.7778	2.43115	-4.82847	6.38402
UTP_CALC	Equal variances assumed	-.950	8	.370	-2.7778	2.92393	-9.52038	3.96482
TBP_CALC	Equal variances assumed	-.330	8	.750	-.5000	1.51383	-3.99089	2.99089
MPH_CALC	Equal variances assumed	-1.568	8	.155	-4.2778	2.72732	-10.56699	2.01143
PAS_CALC	Equal variances assumed	.978	8	.357	.7778	.79543	-1.05650	2.61205

a RN = 0102

RN = 0103

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	86.5000	.	.
	postgrad	9	86.6111	7.14483	2.38161
SNB_CALC	research	1	79.0000	.	.
	postgrad	9	81.0556	4.88265	1.62755
SGB_CALC	research	1	23.5000	.	.
	postgrad	9	22.3333	6.29484	2.09828
UPH_CALC	research	1	12.5000	.	.
	postgrad	9	12.4444	1.86153	.62051
ATA_CALC	research	1	37.5000	.	.
	postgrad	9	37.0000	5.17808	1.72603
UTP_CALC	research	1	37.0000	.	.
	postgrad	9	38.3333	2.35850	.78617
TBP_CALC	research	1	47.0000	.	.
	postgrad	9	46.5000	2.35850	.78617
MPH_CALC	research	1	15.5000	.	.
	postgrad	9	18.3333	1.62019	.54006
PAS_CALC	research	1	13.5000	.	.
	postgrad	9	12.5000	1.19896	.39965

a RN = 0103

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.015	8	.989	-.1111	7.53131	-17.47835	17.25613
SNB_CALC	Equal variances assumed	-.399	8	.700	-2.0556	5.14677	-13.92402	9.81291
SGB_CALC	Equal variances assumed	.176	8	.865	1.1667	6.63534	-14.13446	16.46780
UPH_CALC	Equal variances assumed	.028	8	.978	.0556	1.96222	-4.46933	4.58044
ATA_CALC	Equal variances assumed	.092	8	.929	.5000	5.45817	-12.08657	13.08657
UTP_CALC	Equal variances assumed	-.536	8	.606	-1.3333	2.48607	-7.06623	4.39956
TBP_CALC	Equal variances assumed	.201	8	.846	.5000	2.48607	-5.23289	6.23289
MPH_CALC	Equal variances assumed	-1.659	8	.136	-2.8333	1.70783	-6.77159	1.10492
PAS_CALC	Equal variances assumed	.791	8	.452	1.0000	1.26381	-1.91436	3.91436

a RN = 0103

RN = 0104

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	91.5000	.	.
	postgrad	9	91.2222	5.35672	1.78557
SNB_CALC	research	1	87.0000	.	.
	postgrad	9	88.2222	5.72883	1.90961
SGB_CALC	research	1	7.0000	.	.
	postgrad	9	8.2778	4.12395	1.37465
UPH_CALC	research	1	10.5000	.	.
	postgrad	9	10.6111	1.79892	.59964
ATA_CALC	research	1	30.5000	.	.
	postgrad	9	28.6111	1.99652	.66551
UTP_CALC	research	1	35.5000	.	.
	postgrad	9	36.1667	7.36122	2.45374
TBP_CALC	research	1	46.0000	.	.
	postgrad	8	43.3750	2.15058	.76035
MPH_CALC	research	1	13.0000	.	.
	postgrad	8	16.3750	2.11711	.74851
PAS_CALC	research	1	11.0000	.	.
	postgrad	8	11.1250	1.02644	.36290

a RN = 0104

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.049	8	.962	.2778	5.64648	-12.74302	13.29858
SNB_CALC	Equal variances assumed	-.202	8	.845	-1.2222	6.03871	-15.14752	12.70307
SGB_CALC	Equal variances assumed	-.294	8	.776	-1.2778	4.34702	-11.30203	8.74647
UPH_CALC	Equal variances assumed	-.059	8	.955	-.1111	1.89623	-4.48382	4.26160
ATA_CALC	Equal variances assumed	.898	8	.396	1.8889	2.10452	-2.96415	6.74193
UTP_CALC	Equal variances assumed	-.086	8	.934	-.6667	7.75940	-18.55988	17.22655
TBP_CALC	Equal variances assumed	1.151	7	.288	2.6250	2.28104	-2.76879	8.01879
MPH_CALC	Equal variances assumed	-1.503	7	.177	-3.3750	2.24553	-8.68484	1.93484
PAS_CALC	Equal variances assumed	-.115	7	.912	-.1250	1.08870	-2.69937	2.44937

a RN = 0104

RN = 0105

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	88.5000	.	.
	postgrad	9	86.3333	6.75463	2.25154
SNB_CALC	research	1	81.5000	.	.
	postgrad	9	80.6667	5.59576	1.86525
SGB_CALC	research	1	4.0000	.	.
	postgrad	9	10.2778	6.97814	2.32605
UPH_CALC	research	1	8.0000	.	.
	postgrad	9	8.1667	1.03078	.34359
ATA_CALC	research	1	36.0000	.	.
	postgrad	9	30.0556	5.10786	1.70262
UTP_CALC	research	1	49.0000	.	.
	postgrad	9	46.0556	4.68671	1.56224
TBP_CALC	research	1	61.5000	.	.
	postgrad	9	51.2778	16.94497	5.64832
MPH_CALC	research	1	6.5000	.	.
	postgrad	9	11.8333	3.24037	1.08012
PAS_CALC	research	1	11.0000	.	.
	postgrad	9	15.2222	16.44710	5.48237

a RN = 0105

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.304	8	.769	2.1667	7.12000	-14.25209	18.58542
SNB_CALC	Equal variances assumed	.141	8	.891	.8333	5.89845	-12.76851	14.43517
SGB_CALC	Equal variances assumed	-.853	8	.418	-6.2778	7.35561	-23.23984	10.68428
UPH_CALC	Equal variances assumed	-.153	8	.882	-.1667	1.08653	-2.67222	2.33888
ATA_CALC	Equal variances assumed	1.104	8	.302	5.9444	5.38416	-6.47145	18.36034
UTP_CALC	Equal variances assumed	.596	8	.568	2.9444	4.94023	-8.44774	14.33663
TBP_CALC	Equal variances assumed	.572	8	.583	10.2222	17.86156	-30.96662	51.41106
MPH_CALC	Equal variances assumed	-1.561	8	.157	-5.3333	3.41565	-13.20984	2.54317
PAS_CALC	Equal variances assumed	-.244	8	.814	-4.2222	17.33676	-44.20086	35.75642

a RN = 0105

RN = 0106

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	84.5000	.	.
	postgrad	9	85.1111	5.67769	1.89256
SNB_CALC	research	1	80.5000	.	.
	postgrad	9	82.1667	5.63471	1.87824
SGB_CALC	research	1	14.0000	.	.
	postgrad	9	12.5556	4.73976	1.57992
UPH_CALC	research	1	7.5000	.	.
	postgrad	9	7.8889	1.88378	.62793
ATA_CALC	research	1	34.0000	.	.
	postgrad	9	29.1667	3.59687	1.19896
UTP_CALC	research	1	39.5000	.	.
	postgrad	9	40.0556	3.17652	1.05884
TBP_CALC	research	1	44.5000	.	.
	postgrad	9	43.3889	1.40929	.46976
MPH_CALC	research	1	11.5000	.	.
	postgrad	9	15.0556	2.03784	.67928
PAS_CALC	research	1	10.5000	.	.
	postgrad	9	8.8333	.90139	.30046

a RN = 0106

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.102	8	.921	-.6111	5.98481	-14.41210	13.18988
SNB_CALC	Equal variances assumed	-.281	8	.786	-1.6667	5.93951	-15.36320	12.02987
SGB_CALC	Equal variances assumed	.289	8	.780	1.4444	4.99614	-10.07668	12.96557
UPH_CALC	Equal variances assumed	-.196	8	.850	-.3889	1.98567	-4.96786	4.19008
ATA_CALC	Equal variances assumed	1.275	8	.238	4.8333	3.79144	-3.90974	13.57640
UTP_CALC	Equal variances assumed	-.166	8	.872	-.5556	3.34835	-8.27685	7.16574
TBP_CALC	Equal variances assumed	.748	8	.476	1.1111	1.48553	-2.31452	4.53674
MPH_CALC	Equal variances assumed	-1.655	8	.136	-3.5556	2.14807	-8.50901	1.39790
PAS_CALC	Equal variances assumed	1.754	8	.117	1.6667	.95015	-.52437	3.85771

a RN = 0106

RN = 0107

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	90.0000	.	.
	postgrad	8	85.8125	5.47029	1.93404
UTP_CALC	research	1	47.0000	.	.
	postgrad	8	46.6250	3.91654	1.38471

a RN = 0107

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.722	7	.494	4.1875	5.80212	-9.53234	17.90734
UTP_CALC	Equal variances assumed	.090	7	.931	.3750	4.15412	-9.44793	10.19793

a RN = 0107

RN = 0108

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	88.0000	.	.
	postgrad	9	86.7778	5.19080	1.73027
SNB_CALC	research	1	84.0000	.	.
	postgrad	9	83.6111	4.37877	1.45959
SGB_CALC	research	1	10.5000	.	.
	postgrad	9	14.6111	4.81390	1.60463
UPH_CALC	research	1	9.0000	.	.
	postgrad	9	10.7778	2.76260	.92087
ATA_CALC	research	1	38.0000	.	.
	postgrad	9	34.8889	3.37062	1.12354
UTP_CALC	research	1	44.0000	.	.
	postgrad	9	41.7778	2.50139	.83380
TBP_CALC	research	1	46.0000	.	.
	postgrad	9	46.1667	2.66927	.88976
MPH_CALC	research	1	16.0000	.	.
	postgrad	9	18.2778	2.19532	.73177
PAS_CALC	research	1	16.0000	.	.
	postgrad	9	15.6667	2.01556	.67185

a RN = 0108

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.223	8	.829	1.2222	5.47159	-11.39528	13.83973
SNB_CALC	Equal variances assumed	.084	8	.935	.3889	4.61563	-10.25477	11.03254
SGB_CALC	Equal variances assumed	-.810	8	.441	-4.1111	5.07429	-15.81245	7.59023
UPH_CALC	Equal variances assumed	-.610	8	.558	-1.7778	2.91203	-8.49294	4.93738
ATA_CALC	Equal variances assumed	.876	8	.407	3.1111	3.55295	-5.08201	11.30423
UTP_CALC	Equal variances assumed	.843	8	.424	2.2222	2.63669	-3.85801	8.30245
TBP_CALC	Equal variances assumed	-.059	8	.954	-.1667	2.81366	-6.65497	6.32164
MPH_CALC	Equal variances assumed	-.984	8	.354	-2.2778	2.31407	-7.61404	3.05849
PAS_CALC	Equal variances assumed	.157	8	.879	.3333	2.12459	-4.56598	5.23265

a RN = 0108

RN = 0109

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	90.0000	.	.
	postgrad	9	90.3889	5.69966	1.89989
SNB_CALC	research	1	87.0000	.	.
	postgrad	9	88.5000	5.69539	1.89846
SGB_CALC	research	1	15.0000	.	.
	postgrad	9	15.2222	7.99653	2.66551
UPH_CALC	research	1	15.0000	.	.
	postgrad	9	14.0556	1.79312	.59771
ATA_CALC	research	1	34.5000	.	.
	postgrad	9	31.3889	4.12142	1.37381
UTP_CALC	research	1	43.0000	.	.
	postgrad	9	42.9444	.80795	.26932
TBP_CALC	research	1	51.0000	.	.
	postgrad	9	47.5000	11.38255	3.79418
MPH_CALC	research	1	13.5000	.	.
	postgrad	9	16.7222	2.07833	.69278
PAS_CALC	research	1	19.0000	.	.
	postgrad	8	21.7500	10.68711	3.77846

a RN = 0109

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.065	8	.950	-.3889	6.00797	-14.24329	13.46551
SNB_CALC	Equal variances assumed	-.250	8	.809	-1.5000	6.00347	-15.34403	12.34403
SGB_CALC	Equal variances assumed	-.026	8	.980	-.2222	8.42908	-19.65971	19.21527
UPH_CALC	Equal variances assumed	.500	8	.631	.9444	1.89011	-3.41417	5.30306
ATA_CALC	Equal variances assumed	.716	8	.494	3.1111	4.34436	-6.90700	13.12922
UTP_CALC	Equal variances assumed	.065	8	.950	.0556	.85165	-1.90835	2.01947
TBP_CALC	Equal variances assumed	.292	8	.778	3.5000	11.99826	-24.16805	31.16805
MPH_CALC	Equal variances assumed	-1.471	8	.180	-3.2222	2.19075	-8.27410	1.82965
PAS_CALC	Equal variances assumed	-.243	7	.815	-2.7500	11.33539	-29.55394	24.05394

a RN = 0109

RN = 0110

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	87.5000	.	.
	postgrad	9	88.3333	6.70354	2.23451
SNB_CALC	research	1	80.5000	.	.
	postgrad	9	82.2222	5.52331	1.84110
SGB_CALC	research	1	11.0000	.	.
	postgrad	9	10.1111	3.86311	1.28770
UPH_CALC	research	1	12.0000	.	.
	postgrad	9	11.0000	1.58114	.52705
ATA_CALC	research	1	37.5000	.	.
	postgrad	9	31.2222	3.41056	1.13685
UTP_CALC	research	1	37.5000	.	.
	postgrad	9	37.0556	1.13039	.37680
TBP_CALC	research	1	49.0000	.	.
	postgrad	8	48.8750	3.15945	1.11704
MPH_CALC	research	1	11.5000	.	.
	postgrad	9	14.6111	2.65492	.88497
PAS_CALC	research	1	16.5000	.	.
	postgrad	9	14.6667	2.00000	.66667

a RN = 0110

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.118	8	.909	-.8333	7.06616	-17.12792	15.46125
SNB_CALC	Equal variances assumed	-.296	8	.775	-1.7222	5.82208	-15.14796	11.70352
SGB_CALC	Equal variances assumed	.218	8	.833	.8889	4.07207	-8.50133	10.27911
UPH_CALC	Equal variances assumed	.600	8	.565	1.0000	1.66667	-2.84334	4.84334
ATA_CALC	Equal variances assumed	1.746	8	.119	6.2778	3.59505	-2.01242	14.56798
UTP_CALC	Equal variances assumed	.373	8	.719	.4444	1.19153	-2.30324	3.19213
TBP_CALC	Equal variances assumed	.037	7	.971	.1250	3.35111	-7.79911	8.04911
MPH_CALC	Equal variances assumed	-1.112	8	.299	-3.1111	2.79853	-9.56454	3.34232
PAS_CALC	Equal variances assumed	.870	8	.410	1.8333	2.10819	-3.02815	6.69482

a RN = 0110

RN = 0111

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	82.5000	.	.
	postgrad	9	82.5556	3.61805	1.20602
SNB_CALC	research	1	79.0000	.	.
	postgrad	9	78.7778	3.83333	1.27778
SGB_CALC	research	1	17.0000	.	.
	postgrad	9	17.4444	4.98400	1.66133
ATA_CALC	research	1	41.5000	.	.
	postgrad	8	34.8125	4.78791	1.69278
TBP_CALC	research	1	48.0000	.	.
	postgrad	9	41.4444	14.20705	4.73568
MPH_CALC	research	1	16.5000	.	.
	postgrad	9	19.7222	3.10354	1.03451
PAS_CALC	research	1	11.0000	.	.
	postgrad	9	10.5000	.93541	.31180

a RN = 0111

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.015	8	.989	-.0556	3.81376	-8.85010	8.73899
SNB_CALC	Equal variances assumed	.055	8	.957	.2222	4.04069	-9.09562	9.54007
SGB_CALC	Equal variances assumed	-.085	8	.935	-.4444	5.25360	-12.55927	11.67038
ATA_CALC	Equal variances assumed	1.317	7	.229	6.6875	5.07835	-5.32089	18.69589
TBP_CALC	Equal variances assumed	.438	8	.673	6.5556	14.97555	-27.97812	41.08923
MPH_CALC	Equal variances assumed	-.985	8	.353	-3.2222	3.27142	-10.76612	4.32168
PAS_CALC	Equal variances assumed	.507	8	.626	.5000	.98601	-1.77375	2.77375

a RN = 0111

RN = 0112

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	87.5000	.	.
	postgrad	9	89.6667	5.60692	1.86897
SNB_CALC	research	1	83.5000	.	.
	postgrad	9	84.5556	4.87625	1.62542
SGB_CALC	research	1	13.0000	.	.
	postgrad	8	13.7500	7.63451	2.69921
UPH_CALC	research	1	10.0000	.	.
	postgrad	9	10.1667	1.22474	.40825
ATA_CALC	research	1	38.0000	.	.
	postgrad	8	34.4375	2.09485	.74064
UTP_CALC	research	1	41.0000	.	.
	postgrad	9	39.1667	1.67705	.55902
TBP_CALC	research	1	47.0000	.	.
	postgrad	9	46.8889	.96105	.32035
MPH_CALC	research	1	2.5000	.	.
	postgrad	9	3.4444	1.21049	.40350
PAS_CALC	research	1	14.0000	.	.
	postgrad	9	12.8333	.90139	.30046

a RN = 0112

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.367	8	.723	-2.1667	5.91021	-15.79563	11.46230
SNB_CALC	Equal variances assumed	-.205	8	.842	-1.0556	5.14001	-12.90845	10.79734
SGB_CALC	Equal variances assumed	-.093	7	.929	-.7500	8.09762	-19.89783	18.39783
UPH_CALC	Equal variances assumed	-.129	8	.900	-.1667	1.29099	-3.14371	2.81037
ATA_CALC	Equal variances assumed	1.603	7	.153	3.5625	2.22192	-1.69151	8.81651
UTP_CALC	Equal variances assumed	1.037	8	.330	1.8333	1.76777	-2.24314	5.90981
TBP_CALC	Equal variances assumed	.110	8	.915	.1111	1.01303	-2.22495	2.44717
MPH_CALC	Equal variances assumed	-.740	8	.480	-.9444	1.27596	-3.88682	1.99794
PAS_CALC	Equal variances assumed	1.228	8	.254	1.1667	.95015	-1.02437	3.35771

a RN = 0112

RN = 0113

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	86.0000	.	.
	postgrad	9	84.1667	7.15891	2.38630
SNB_CALC	research	1	86.0000	.	.
	postgrad	9	81.6111	5.92546	1.97515
SGB_CALC	research	1	13.5000	.	.
	postgrad	9	17.8333	8.73212	2.91071
UPH_CALC	research	1	10.5000	.	.
	postgrad	9	9.8889	.92796	.30932
ATA_CALC	research	1	31.0000	.	.
	postgrad	9	27.5000	2.88314	.96105
UTP_CALC	research	1	38.5000	.	.
	postgrad	9	39.0556	1.82764	.60921
TBP_CALC	research	1	46.0000	.	.
	postgrad	9	46.9444	1.57012	.52337
MPH_CALC	research	1	13.5000	.	.
	postgrad	9	15.9444	1.62874	.54291
PAS_CALC	research	1	12.0000	.	.
	postgrad	9	10.1667	.93541	.31180

a RN = 0113

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.243	8	.814	1.8333	7.54615	-15.56813	19.23480
SNB_CALC	Equal variances assumed	.703	8	.502	4.3889	6.24599	-10.01438	18.79216
SGB_CALC	Equal variances assumed	-.471	8	.650	-4.3333	9.20447	-25.55887	16.89221
UPH_CALC	Equal variances assumed	.625	8	.550	.6111	.97816	-1.64452	2.86674
ATA_CALC	Equal variances assumed	1.152	8	.283	3.5000	3.03910	-3.50817	10.50817
UTP_CALC	Equal variances assumed	-.288	8	.780	-.5556	1.92650	-4.99808	3.88697
TBP_CALC	Equal variances assumed	-.571	8	.584	-.9444	1.65505	-4.76100	2.87211
MPH_CALC	Equal variances assumed	-1.424	8	.192	-2.4444	1.71684	-6.40348	1.51459
PAS_CALC	Equal variances assumed	1.859	8	.100	1.8333	.98601	-.44042	4.10708

a RN = 0113

เปรียบเทียบค่าที่วัดจากภาพรังสีที่สุ่มขึ้นมาจำนวน 20 ภาพ (RN = 0094 ถึง 0113) โดยผู้วิจัย (research) กับค่าที่วัดโดยนิสิต (undergrad) จำนวน 6 คน

RN = 0094

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	78.5000	.	.
	undergrad	6	76.8333	1.69312	.69121
SNB_CALC	research	1	74.0000	.	.
	undergrad	6	74.6667	.98319	.40139
SGB_CALC	research	1	24.5000	.	.
	undergrad	6	23.0833	4.35220	1.77678
UPH_CALC	research	1	11.0000	.	.
	undergrad	6	12.5833	5.37044	2.19247
ATA_CALC	research	1	40.0000	.	.
	undergrad	6	38.7500	6.91195	2.82179
UTP_CALC	research	1	38.5000	.	.
	undergrad	6	35.9167	5.83452	2.38193
TBP_CALC	research	1	47.0000	.	.
	undergrad	6	41.7500	12.87536	5.25635
MPH_CALC	research	1	12.5000	.	.
	undergrad	6	13.0000	1.18322	.48305
PAS_CALC	research	1	7.0000	.	.
	undergrad	6	6.9167	.49160	.20069

a RN = 0094

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.911	5	.404	1.6667	1.82878	-3.03437	6.36770
SNB_CALC	Equal variances assumed	-.628	5	.558	-.6667	1.06197	-3.39654	2.06321
SGB_CALC	Equal variances assumed	.301	5	.775	1.4167	4.70092	-10.66742	13.50076
UPH_CALC	Equal variances assumed	-.273	5	.796	-1.5833	5.80074	-16.49462	13.32795
ATA_CALC	Equal variances assumed	.167	5	.874	1.2500	7.46576	-17.94133	20.44133
UTP_CALC	Equal variances assumed	.410	5	.699	2.5833	6.30201	-13.61649	18.78316
TBP_CALC	Equal variances assumed	.378	5	.721	5.2500	13.90698	-30.49904	40.99904
MPH_CALC	Equal variances assumed	-.391	5	.712	-.5000	1.27802	-3.78525	2.78525
PAS_CALC	Equal variances assumed	.157	5	.881	.0833	.53098	-1.28161	1.44827

a RN = 0094

RN = 0095

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	83.5000	.	.
	undergrad	6	83.5000	3.80789	1.55456
UTP_CALC	research	1	42.0000	.	.
	undergrad	5	36.5000	10.64777	4.76183

a RN = 0095

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.000	5	1.000	.0000	4.11299	-10.57277	10.57277
UTP_CALC	Equal variances assumed	.472	4	.662	5.5000	11.66405	-26.88459	37.88459

a RN = 0095

RN = 0096

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	86.0000	.	.
	undergrad	6	85.5833	1.65580	.67598
SNB_CALC	research	1	85.5000	.	.
	undergrad	6	84.0000	4.06202	1.65831
SGB_CALC	research	1	18.5000	.	.
	undergrad	6	16.0000	5.83952	2.38397
UPH_CALC	research	1	8.0000	.	.
	undergrad	6	11.9167	4.90323	2.00174
ATA_CALC	research	1	28.0000	.	.
	undergrad	6	27.2500	1.57321	.64226
UTP_CALC	research	1	44.0000	.	.
	undergrad	6	31.5833	16.56326	6.76192
TBP_CALC	research	1	45.5000	.	.
	undergrad	6	40.0833	7.85122	3.20525
MPH_CALC	research	1	22.5000	.	.
	undergrad	6	26.0833	3.35286	1.36880
PAS_CALC	research	1	10.0000	.	.
	undergrad	6	9.3333	1.12546	.45947

a RN = 0096

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.233	5	.825	.4167	1.78847	-4.18073	5.01407
SNB_CALC	Equal variances assumed	.342	5	.746	1.5000	4.38748	-9.77838	12.77838
SGB_CALC	Equal variances assumed	.396	5	.708	2.5000	6.30740	-13.71370	18.71370
UPH_CALC	Equal variances assumed	-.740	5	.493	-3.9167	5.29609	-17.53071	9.69738
ATA_CALC	Equal variances assumed	.441	5	.677	.7500	1.69926	-3.61810	5.11810
UTP_CALC	Equal variances assumed	.694	5	.519	12.4167	17.89037	-33.57199	58.40532
TBP_CALC	Equal variances assumed	.639	5	.551	5.4167	8.48029	-16.38261	27.21594
MPH_CALC	Equal variances assumed	-.989	5	.368	-3.5833	3.62150	-12.89270	5.72603
PAS_CALC	Equal variances assumed	.548	5	.607	.6667	1.21564	-2.45823	3.79157

a RN = 0096

RN = 0097

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	89.0000	.	.
	undergrad	6	90.0000	3.01662	1.23153
SNB_CALC	research	1	83.5000	.	.
	undergrad	6	83.8333	1.94079	.79232
SGB_CALC	research	1	19.0000	.	.
	undergrad	6	19.7500	2.64102	1.07819
UPH_CALC	research	1	12.0000	.	.
	undergrad	6	12.5000	1.37840	.56273
ATA_CALC	research	1	29.0000	.	.
	undergrad	6	30.5000	4.93964	2.01660
UTP_CALC	research	1	39.0000	.	.
	undergrad	6	36.0000	7.16240	2.92404
TBP_CALC	research	1	47.0000	.	.
	undergrad	6	45.0000	3.11448	1.27148
MPH_CALC	research	1	9.5000	.	.
	undergrad	6	10.9167	2.76436	1.12854
PAS_CALC	research	1	10.0000	.	.
	undergrad	6	10.4167	.49160	.20069

a RN = 0097

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.307	5	.771	-1.0000	3.25832	-9.37579	7.37579
SNB_CALC	Equal variances assumed	-.159	5	.880	-.3333	2.09629	-5.72203	5.05536
SGB_CALC	Equal variances assumed	-.263	5	.803	-.7500	2.85263	-8.08292	6.58292
UPH_CALC	Equal variances assumed	-.336	5	.751	-.5000	1.48885	-4.32720	3.32720
ATA_CALC	Equal variances assumed	-.281	5	.790	-1.5000	5.33542	-15.21512	12.21512
UTP_CALC	Equal variances assumed	.388	5	.714	3.0000	7.73628	-16.88674	22.88674
TBP_CALC	Equal variances assumed	.595	5	.578	2.0000	3.36403	-6.64750	10.64750
MPH_CALC	Equal variances assumed	-.474	5	.655	-1.4167	2.98585	-9.09203	6.25870
PAS_CALC	Equal variances assumed	-.785	5	.468	-.4167	.53098	-1.78161	.94827

a RN = 0097

RN = 0098

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	88.0000	.	.
	undergrad	6	84.6667	3.92003	1.60035
SNB_CALC	research	1	82.5000	.	.
	undergrad	4	82.6250	1.70171	.85086
SGB_CALC	research	1	12.5000	.	.
	undergrad	4	12.2500	4.73462	2.36731
UPH_CALC	research	1	7.0000	.	.
	undergrad	4	8.5000	1.29099	.64550
ATA_CALC	research	1	37.0000	.	.
	undergrad	4	34.5000	5.50757	2.75379
UTP_CALC	research	1	39.0000	.	.
	undergrad	6	37.7500	3.51781	1.43614
TBP_CALC	research	1	51.0000	.	.
	undergrad	4	46.2500	6.03462	3.01731
MPH_CALC	research	1	8.0000	.	.
	undergrad	4	9.0000	2.16025	1.08012
PAS_CALC	research	1	8.0000	.	.
	undergrad	4	8.1250	1.65202	.82601

a RN = 0098

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.787	5	.467	3.3333	4.23412	-7.55082	14.21749
SNB_CALC	Equal variances assumed	-.066	3	.952	-.1250	1.90258	-6.17984	5.92984
SGB_CALC	Equal variances assumed	.047	3	.965	.2500	5.29347	-16.59619	17.09619
UPH_CALC	Equal variances assumed	-1.039	3	.375	-1.5000	1.44338	-6.09347	3.09347
ATA_CALC	Equal variances assumed	.406	3	.712	2.5000	6.15765	-17.09639	22.09639
UTP_CALC	Equal variances assumed	.329	5	.756	1.2500	3.79967	-8.51737	11.01737
TBP_CALC	Equal variances assumed	.704	3	.532	4.7500	6.74691	-16.72169	26.22169
MPH_CALC	Equal variances assumed	-.414	3	.707	-1.0000	2.41523	-8.68634	6.68634
PAS_CALC	Equal variances assumed	-.068	3	.950	-.1250	1.84701	-6.00302	5.75302

a RN = 0098

RN = 0099

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	90.0000	.	.
	undergrad	6	90.8333	4.58984	1.87380
UTP_CALC	research	1	46.5000	.	.
	undergrad	6	37.4167	14.92118	6.09155

a RN = 0099

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.168	5	.873	-.8333	4.95760	-13.57724	11.91058
UTP_CALC	Equal variances assumed	.564	5	.597	9.0833	16.11672	-32.34601	50.51268

a RN = 0099

RN = 0100

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	86.5000	.	.
	undergrad	6	84.6667	7.85281	3.20590
SNB_CALC	research	1	86.5000	.	.
	undergrad	6	86.0833	2.88819	1.17910
SGB_CALC	research	1	13.0000	.	.
	undergrad	6	12.3333	3.37145	1.37639
UPH_CALC	research	1	6.5000	.	.
	undergrad	6	14.0833	13.81816	5.64124
ATA_CALC	research	1	34.0000	.	.
	undergrad	6	34.0000	2.70185	1.10303
UTP_CALC	research	1	39.5000	.	.
	undergrad	6	31.5833	13.54037	5.52783
TBP_CALC	research	1	48.0000	.	.
	undergrad	6	46.9167	4.01767	1.64021
MPH_CALC	research	1	8.0000	.	.
	undergrad	6	9.8333	3.65605	1.49257
PAS_CALC	research	1	7.0000	.	.
	undergrad	6	8.5833	3.98016	1.62489

a RN = 0100

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.216	5	.837	1.8333	8.48201	-19.97036	23.63703
SNB_CALC	Equal variances assumed	.134	5	.899	.4167	3.11961	-7.60254	8.43587
SGB_CALC	Equal variances assumed	.183	5	.862	.6667	3.64158	-8.69431	10.02765
UPH_CALC	Equal variances assumed	-.508	5	.633	-7.5833	14.92532	-45.95010	30.78343
ATA_CALC	Equal variances assumed	.000	5	1.000	.0000	2.91833	-7.50181	7.50181
UTP_CALC	Equal variances assumed	.541	5	.612	7.9167	14.62527	-29.67879	45.51213
TBP_CALC	Equal variances assumed	.250	5	.813	1.0833	4.33958	-10.07191	12.23858
MPH_CALC	Equal variances assumed	-.464	5	.662	-1.8333	3.94898	-11.98451	8.31784
PAS_CALC	Equal variances assumed	-.368	5	.728	-1.5833	4.29906	-12.63443	9.46776

a RN = 0100

RN = 0101

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	89.0000	.	.
	undergrad	6	85.2500	3.95917	1.61632
SNB_CALC	research	1	84.5000	.	.
	undergrad	6	82.8333	2.31661	.94575
SGB_CALC	research	1	15.5000	.	.
	undergrad	6	16.0833	3.38255	1.38092
UPH_CALC	research	1	7.0000	.	.
	undergrad	6	12.0000	11.28273	4.60616
ATA_CALC	research	1	33.5000	.	.
	undergrad	6	31.5833	3.92959	1.60425
UTP_CALC	research	1	37.0000	.	.
	undergrad	6	32.3333	12.03190	4.91200
TBP_CALC	research	1	42.5000	.	.
	undergrad	6	43.5000	5.50454	2.24722
MPH_CALC	research	1	11.5000	.	.
	undergrad	6	14.3333	4.84424	1.97765
PAS_CALC	research	1	12.5000	.	.
	undergrad	6	12.1667	1.16905	.47726

a RN = 0101

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.877	5	.421	3.7500	4.27639	-7.24281	14.74281
SNB_CALC	Equal variances assumed	.666	5	.535	1.6667	2.50222	-4.76550	8.09883
SGB_CALC	Equal variances assumed	-.160	5	.879	-.5833	3.65358	-9.97515	8.80848
UPH_CALC	Equal variances assumed	-.410	5	.699	-5.0000	12.18674	-36.32702	26.32702
ATA_CALC	Equal variances assumed	.452	5	.670	1.9167	4.24444	-8.99402	12.82735
UTP_CALC	Equal variances assumed	.359	5	.734	4.6667	12.99594	-28.74046	38.07379
TBP_CALC	Equal variances assumed	-.168	5	.873	-1.0000	5.94559	-16.28362	14.28362
MPH_CALC	Equal variances assumed	-.542	5	.611	-2.8333	5.23238	-16.28359	10.61692
PAS_CALC	Equal variances assumed	.264	5	.802	.3333	1.26271	-2.91257	3.57924

a RN = 0101

RN = 0102

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	91.5000	.	.
	undergrad	6	87.5000	3.03315	1.23828
SNB_CALC	research	1	88.0000	.	.
	undergrad	6	87.0833	1.88193	.76830
SGB_CALC	research	1	10.0000	.	.
	undergrad	6	10.3333	2.18327	.89132
UPH_CALC	research	1	11.0000	.	.
	undergrad	6	16.6667	11.04385	4.50863
ATA_CALC	research	1	34.5000	.	.
	undergrad	6	33.0000	1.41421	.57735
UTP_CALC	research	1	35.0000	.	.
	undergrad	6	32.1667	9.93311	4.05518
TBP_CALC	research	1	45.0000	.	.
	undergrad	6	44.0833	2.90545	1.18615
MPH_CALC	research	1	5.5000	.	.
	undergrad	6	10.7500	4.84510	1.97800
PAS_CALC	research	1	12.0000	.	.
	undergrad	6	11.2500	.61237	.25000

a RN = 0102

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	1.221	5	.277	4.0000	3.27618	-4.42168	12.42168
SNB_CALC	Equal variances assumed	.451	5	.671	.9167	2.03272	-4.30860	6.14194
SGB_CALC	Equal variances assumed	-.141	5	.893	-.3333	2.35820	-6.39528	5.72861
UPH_CALC	Equal variances assumed	-.475	5	.655	-5.6667	11.92872	-36.33043	24.99709
ATA_CALC	Equal variances assumed	.982	5	.371	1.5000	1.52753	-2.42663	5.42663
UTP_CALC	Equal variances assumed	.264	5	.802	2.8333	10.72898	-24.74640	30.41307
TBP_CALC	Equal variances assumed	.292	5	.782	.9167	3.13825	-7.15046	8.98379
MPH_CALC	Equal variances assumed	-1.003	5	.362	-5.2500	5.23331	-18.70264	8.20264
PAS_CALC	Equal variances assumed	1.134	5	.308	.7500	.66144	-.95028	2.45028

a RN = 0102

RN = 0103

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	86.5000	.	.
	undergrad	6	87.5000	2.25832	.92195
SNB_CALC	research	1	79.0000	.	.
	undergrad	6	82.3333	4.14327	1.69148
SGB_CALC	research	1	23.5000	.	.
	undergrad	6	21.5833	3.30782	1.35041
UPH_CALC	research	1	12.5000	.	.
	undergrad	6	16.5833	10.76762	4.39586
ATA_CALC	research	1	37.5000	.	.
	undergrad	6	38.6667	1.83485	.74907
UTP_CALC	research	1	37.0000	.	.
	undergrad	6	34.5833	11.30671	4.61594
TBP_CALC	research	1	47.0000	.	.
	undergrad	6	46.8333	3.18852	1.30171
MPH_CALC	research	1	15.5000	.	.
	undergrad	6	17.8333	1.96638	.80277
PAS_CALC	research	1	13.5000	.	.
	undergrad	6	12.7500	.88034	.35940

a RN = 0103

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.410	5	.699	-1.0000	2.43926	-7.27032	5.27032
SNB_CALC	Equal variances assumed	-.745	5	.490	-3.3333	4.47524	-14.83731	8.17064
SGB_CALC	Equal variances assumed	.536	5	.615	1.9167	3.57285	-7.26764	11.10098
UPH_CALC	Equal variances assumed	-.351	5	.740	-4.0833	11.63036	-33.98013	25.81346
ATA_CALC	Equal variances assumed	-.589	5	.582	-1.1667	1.98186	-6.26121	3.92787
UTP_CALC	Equal variances assumed	.198	5	.851	2.4167	12.21264	-28.97693	33.81026
TBP_CALC	Equal variances assumed	.048	5	.963	.1667	3.44400	-8.68641	9.01974
MPH_CALC	Equal variances assumed	-1.099	5	.322	-2.3333	2.12394	-7.79309	3.12642
PAS_CALC	Equal variances assumed	.789	5	.466	.7500	.95088	-1.69431	3.19431

a RN = 0103

RN = 0104

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	91.5000	.	.
	undergrad	6	91.5833	6.57584	2.68458
SNB_CALC	research	1	87.0000	.	.
	undergrad	5	90.6000	4.57439	2.04573
SGB_CALC	research	1	7.0000	.	.
	undergrad	5	7.0000	1.22474	.54772
UPH_CALC	research	1	10.5000	.	.
	undergrad	5	16.3000	10.63367	4.75552
ATA_CALC	research	1	30.5000	.	.
	undergrad	5	33.5000	3.82426	1.71026
UTP_CALC	research	1	35.5000	.	.
	undergrad	6	32.0833	9.84082	4.01750
TBP_CALC	research	1	46.0000	.	.
	undergrad	5	44.9000	2.04328	.91378
MPH_CALC	research	1	13.0000	.	.
	undergrad	5	16.1000	5.41295	2.42074
PAS_CALC	research	1	11.0000	.	.
	undergrad	5	12.7000	4.65833	2.08327

a RN = 0104

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.012	5	.991	-.0833	7.10272	-18.34145	18.17479
SNB_CALC	Equal variances assumed	-.718	4	.512	-3.6000	5.01099	-17.51273	10.31273
SGB_CALC	Equal variances assumed	.000	4	1.000	.0000	1.34164	-3.72499	3.72499
UPH_CALC	Equal variances assumed	-.498	4	.645	-5.8000	11.64861	-38.14171	26.54171
ATA_CALC	Equal variances assumed	-.716	4	.514	-3.0000	4.18927	-14.63128	8.63128
UTP_CALC	Equal variances assumed	.321	5	.761	3.4167	10.62930	-23.90681	30.74014
TBP_CALC	Equal variances assumed	.491	4	.649	1.1000	2.23830	-5.11453	7.31453
MPH_CALC	Equal variances assumed	-.523	4	.629	-3.1000	5.92959	-19.56317	13.36317
PAS_CALC	Equal variances assumed	-.333	4	.756	-1.7000	5.10294	-15.86803	12.46803

a RN = 0104

RN = 0105

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	88.5000	.	.
	undergrad	6	84.9167	8.83978	3.60882
SNB_CALC	research	1	81.5000	.	.
	undergrad	6	81.5833	5.11289	2.08733
SGB_CALC	research	1	4.0000	.	.
	undergrad	6	7.3333	3.25064	1.32707
UPH_CALC	research	1	8.0000	.	.
	undergrad	6	8.9167	1.74404	.71200
ATA_CALC	research	1	36.0000	.	.
	undergrad	6	32.5833	4.34070	1.77208
UTP_CALC	research	1	49.0000	.	.
	undergrad	6	46.2500	5.10637	2.08467
TBP_CALC	research	1	61.5000	.	.
	undergrad	6	58.6667	3.12517	1.27584
MPH_CALC	research	1	6.5000	.	.
	undergrad	6	10.0000	2.28035	.93095
PAS_CALC	research	1	11.0000	.	.
	undergrad	6	9.1667	1.50555	.61464

a RN = 0105

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.375	5	.723	3.5833	9.54805	-20.96071	28.12738
SNB_CALC	Equal variances assumed	-.015	5	.989	-.0833	5.52255	-14.27951	14.11285
SGB_CALC	Equal variances assumed	-.949	5	.386	-3.3333	3.51109	-12.35889	5.69222
UPH_CALC	Equal variances assumed	-.487	5	.647	-.9167	1.88378	-5.75907	3.92573
ATA_CALC	Equal variances assumed	.729	5	.499	3.4167	4.68849	-8.63548	15.46882
UTP_CALC	Equal variances assumed	.499	5	.639	2.7500	5.51551	-11.42807	16.92807
TBP_CALC	Equal variances assumed	.839	5	.440	2.8333	3.37557	-5.84383	11.51050
MPH_CALC	Equal variances assumed	-1.421	5	.215	-3.5000	2.46306	-9.83150	2.83150
PAS_CALC	Equal variances assumed	1.127	5	.311	1.8333	1.62617	-2.34688	6.01355

a RN = 0105

RN = 0106

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	84.5000	.	.
	undergrad	6	83.8333	2.08966	.85310
SNB_CALC	research	1	80.5000	.	.
	undergrad	6	81.7500	3.64349	1.48745
SGB_CALC	research	1	14.0000	.	.
	undergrad	6	13.6667	3.40098	1.38844
UPH_CALC	research	1	7.5000	.	.
	undergrad	6	9.1667	2.18327	.89132
ATA_CALC	research	1	34.0000	.	.
	undergrad	6	32.3333	1.66333	.67905
UTP_CALC	research	1	39.5000	.	.
	undergrad	6	39.5833	1.98536	.81052
TBP_CALC	research	1	44.5000	.	.
	undergrad	6	42.9167	1.49722	.61124
MPH_CALC	research	1	11.5000	.	.
	undergrad	6	14.3333	3.18852	1.30171
PAS_CALC	research	1	10.5000	.	.
	undergrad	6	11.3333	1.57056	.64118

a RN = 0106

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.295	5	.780	.6667	2.25709	-5.13536	6.46870
SNB_CALC	Equal variances assumed	-.318	5	.764	-1.2500	3.93542	-11.36631	8.86631
SGB_CALC	Equal variances assumed	.091	5	.931	.3333	3.67348	-9.10964	9.77631
UPH_CALC	Equal variances assumed	-.707	5	.511	-1.6667	2.35820	-7.72861	4.39528
ATA_CALC	Equal variances assumed	.928	5	.396	1.6667	1.79660	-2.95165	6.28498
UTP_CALC	Equal variances assumed	-.039	5	.971	-.0833	2.14444	-5.59578	5.42912
TBP_CALC	Equal variances assumed	.979	5	.373	1.5833	1.61718	-2.57377	5.74043
MPH_CALC	Equal variances assumed	-.823	5	.448	-2.8333	3.44400	-11.68641	6.01974
PAS_CALC	Equal variances assumed	-.491	5	.644	-.8333	1.69640	-5.19407	3.52741

a RN = 0106

RN = 0107

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	90.0000	.	.
	undergrad	6	83.3333	6.56252	2.67914
UTP_CALC	research	1	47.0000	.	.
	undergrad	5	44.6000	5.54977	2.48193

a RN = 0107

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.941	5	.390	6.6667	7.08833	-11.55447	24.88780
UTP_CALC	Equal variances assumed	.395	4	.713	2.4000	6.07947	-14.47932	19.27932

a RN = 0107

RN = 0108

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	88.0000	.	.
	undergrad	6	84.5000	3.20936	1.31022
SNB_CALC	research	1	84.0000	.	.
	undergrad	6	82.2500	1.72482	.70415
SGB_CALC	research	1	10.5000	.	.
	undergrad	6	15.2500	3.98434	1.62660
UPH_CALC	research	1	9.0000	.	.
	undergrad	6	11.9167	3.26216	1.33177
ATA_CALC	research	1	38.0000	.	.
	undergrad	6	38.1667	1.60208	.65405
UTP_CALC	research	1	44.0000	.	.
	undergrad	6	41.8333	2.40139	.98036
TBP_CALC	research	1	46.0000	.	.
	undergrad	6	45.1667	1.83485	.74907
MPH_CALC	research	1	16.0000	.	.
	undergrad	6	18.6667	2.85774	1.16667
PAS_CALC	research	1	16.0000	.	.
	undergrad	6	14.5833	1.68572	.68819

a RN = 0108

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	1.010	5	.359	3.5000	3.46651	-5.41094	12.41094
SNB_CALC	Equal variances assumed	.939	5	.391	1.7500	1.86302	-3.03904	6.53904
SGB_CALC	Equal variances assumed	-1.104	5	.320	-4.7500	4.30358	-15.81271	6.31271
UPH_CALC	Equal variances assumed	-.828	5	.445	-2.9167	3.52353	-11.97419	6.14086
ATA_CALC	Equal variances assumed	-.096	5	.927	-.1667	1.73045	-4.61492	4.28159
UTP_CALC	Equal variances assumed	.835	5	.442	2.1667	2.59380	-4.50090	8.83423
TBP_CALC	Equal variances assumed	.420	5	.692	.8333	1.98186	-4.26121	5.92787
MPH_CALC	Equal variances assumed	-.864	5	.427	-2.6667	3.08671	-10.60131	5.26797
PAS_CALC	Equal variances assumed	.778	5	.472	1.4167	1.82079	-3.26382	6.09716

a RN = 0108

RN = 0109

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	90.0000	.	.
	undergrad	6	88.5000	2.66458	1.08781
SNB_CALC	research	1	87.0000	.	.
	undergrad	6	88.4167	2.20038	.89830
SGB_CALC	research	1	15.0000	.	.
	undergrad	6	14.4167	.66458	.27131
UPH_CALC	research	1	15.0000	.	.
	undergrad	6	15.4167	1.62532	.66353
ATA_CALC	research	1	34.5000	.	.
	undergrad	6	34.2500	2.29674	.93764
UTP_CALC	research	1	43.0000	.	.
	undergrad	6	42.9167	1.90832	.77907
TBP_CALC	research	1	51.0000	.	.
	undergrad	6	45.2500	13.06809	5.33503
MPH_CALC	research	1	13.5000	.	.
	undergrad	6	16.9167	5.79152	2.36438
PAS_CALC	research	1	19.0000	.	.
	undergrad	6	19.0833	1.62532	.66353

a RN = 0109

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.521	5	.624	1.5000	2.87808	-5.89834	8.89834
SNB_CALC	Equal variances assumed	-.596	5	.577	-1.4167	2.37668	-7.52612	4.69279
SGB_CALC	Equal variances assumed	.813	5	.453	.5833	.71783	-1.26190	2.42857
UPH_CALC	Equal variances assumed	-.237	5	.822	-.4167	1.75555	-4.92944	4.09611
ATA_CALC	Equal variances assumed	.101	5	.924	.2500	2.48076	-6.12699	6.62699
UTP_CALC	Equal variances assumed	.040	5	.969	.0833	2.06122	-5.21519	5.38186
TBP_CALC	Equal variances assumed	.407	5	.701	5.7500	14.11515	-30.53415	42.03415
MPH_CALC	Equal variances assumed	-.546	5	.608	-3.4167	6.25555	-19.49708	12.66374
PAS_CALC	Equal variances assumed	-.047	5	.964	-.0833	1.75555	-4.59611	4.42944

a RN = 0109

RN = 0110

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	87.5000	.	.
	undergrad	6	86.6667	2.99444	1.22247
SNB_CALC	research	1	80.5000	.	.
	undergrad	6	82.9167	2.67239	1.09100
SGB_CALC	research	1	11.0000	.	.
	undergrad	6	9.2500	2.82400	1.15289
UPH_CALC	research	1	12.0000	.	.
	undergrad	6	12.9167	2.01039	.82074
ATA_CALC	research	1	37.5000	.	.
	undergrad	6	34.0833	4.45440	1.81850
UTP_CALC	research	1	37.5000	.	.
	undergrad	6	36.7500	2.20794	.90139
TBP_CALC	research	1	49.0000	.	.
	undergrad	6	45.0833	6.53771	2.66901
MPH_CALC	research	1	11.5000	.	.
	undergrad	6	15.1667	5.16398	2.10819
PAS_CALC	research	1	16.5000	.	.
	undergrad	6	15.8333	1.03280	.42164

a RN = 0110

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.258	5	.807	.8333	3.23436	-7.48086	9.14753
SNB_CALC	Equal variances assumed	-.837	5	.441	-2.4167	2.88651	-9.83668	5.00335
SGB_CALC	Equal variances assumed	.574	5	.591	1.7500	3.05027	-6.09098	9.59098
UPH_CALC	Equal variances assumed	-.422	5	.690	-.9167	2.17147	-6.49861	4.66527
ATA_CALC	Equal variances assumed	.710	5	.509	3.4167	4.81130	-8.95117	15.78451
UTP_CALC	Equal variances assumed	.314	5	.766	.7500	2.38485	-5.38045	6.88045
TBP_CALC	Equal variances assumed	.555	5	.603	3.9167	7.06154	-14.23559	22.06892
MPH_CALC	Equal variances assumed	-.657	5	.540	-3.6667	5.57773	-18.00469	10.67135
PAS_CALC	Equal variances assumed	.598	5	.576	.6667	1.11555	-2.20094	3.53427

a RN = 0110

RN = 0111

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	82.5000	.	.
	undergrad	6	79.5833	2.69103	1.09861
SNB_CALC	research	1	79.0000	.	.
	undergrad	6	77.5833	1.42887	.58333
SGB_CALC	research	1	17.0000	.	.
	undergrad	6	19.0000	1.58114	.64550
ATA_CALC	research	1	41.5000	.	.
	undergrad	6	38.0000	3.08221	1.25831
TBP_CALC	research	1	48.0000	.	.
	undergrad	6	45.2500	2.29674	.93764
MPH_CALC	research	1	16.5000	.	.
	undergrad	6	19.9167	2.88819	1.17910
PAS_CALC	research	1	11.0000	.	.
	undergrad	6	10.2500	.52440	.21409

a RN = 0111

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	1.003	5	.362	2.9167	2.90665	-4.55511	10.38845
SNB_CALC	Equal variances assumed	.918	5	.401	1.4167	1.54335	-2.55065	5.38399
SGB_CALC	Equal variances assumed	-1.171	5	.294	-2.0000	1.70783	-6.39010	2.39010
ATA_CALC	Equal variances assumed	1.051	5	.341	3.5000	3.32916	-5.05789	12.05789
TBP_CALC	Equal variances assumed	1.109	5	.318	2.7500	2.48076	-3.62699	9.12699
MPH_CALC	Equal variances assumed	-1.095	5	.323	-3.4167	3.11961	-11.43587	4.60254
PAS_CALC	Equal variances assumed	1.324	5	.243	.7500	.56642	-.70603	2.20603

a RN = 0111

RN = 0112

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	87.5000	.	.
	undergrad	6	86.8333	.87560	.35746
SNB_CALC	research	1	83.5000	.	.
	undergrad	6	83.0000	1.00000	.40825
SGB_CALC	research	1	13.0000	.	.
	undergrad	6	12.8333	2.06559	.84327
UPH_CALC	research	1	10.0000	.	.
	undergrad	6	11.0000	1.67332	.68313
ATA_CALC	research	1	38.0000	.	.
	undergrad	6	35.5833	3.29267	1.34423
UTP_CALC	research	1	41.0000	.	.
	undergrad	6	39.5000	1.84391	.75277
TBP_CALC	research	1	47.0000	.	.
	undergrad	6	46.1667	2.46306	1.00554
MPH_CALC	research	1	2.5000	.	.
	undergrad	6	3.9167	1.35708	.55403
PAS_CALC	research	1	14.0000	.	.
	undergrad	6	12.5000	.77460	.31623

a RN = 0112

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.705	5	.512	.6667	.94575	-1.76446	3.09780
SNB_CALC	Equal variances assumed	.463	5	.663	.5000	1.08012	-2.27655	3.27655
SGB_CALC	Equal variances assumed	.075	5	.943	.1667	2.23109	-5.56854	5.90187
UPH_CALC	Equal variances assumed	-.553	5	.604	-1.0000	1.80739	-5.64605	3.64605
ATA_CALC	Equal variances assumed	.680	5	.527	2.4167	3.55649	-6.72558	11.55891
UTP_CALC	Equal variances assumed	.753	5	.485	1.5000	1.99165	-3.61970	6.61970
TBP_CALC	Equal variances assumed	.313	5	.767	.8333	2.66041	-6.00547	7.67213
MPH_CALC	Equal variances assumed	-.966	5	.378	-1.4167	1.46581	-5.18466	2.35133
PAS_CALC	Equal variances assumed	1.793	5	.133	1.5000	.83666	-.65070	3.65070

a RN = 0112

RN = 0113

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	1	86.0000	.	.
	undergrad	6	86.1667	4.00832	1.63639
SNB_CALC	research	1	86.0000	.	.
	undergrad	6	84.2500	3.47491	1.41863
SGB_CALC	research	1	13.5000	.	.
	undergrad	6	15.4167	4.03010	1.64528
UPH_CALC	research	1	10.5000	.	.
	undergrad	6	9.4167	1.11430	.45491
ATA_CALC	research	1	31.0000	.	.
	undergrad	6	31.0833	2.15445	.87955
UTP_CALC	research	1	38.5000	.	.
	undergrad	6	39.5000	2.72029	1.11056
TBP_CALC	research	1	46.0000	.	.
	undergrad	6	44.9167	3.29267	1.34423
MPH_CALC	research	1	13.5000	.	.
	undergrad	6	14.9167	1.06849	.43621
PAS_CALC	research	1	12.0000	.	.
	undergrad	6	9.9167	1.46344	.59745

a RN = 0113

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.038	5	.971	-.1667	4.32949	-11.29596	10.96263
SNB_CALC	Equal variances assumed	.466	5	.661	1.7500	3.75333	-7.89825	11.39825
SGB_CALC	Equal variances assumed	-.440	5	.678	-1.9167	4.35300	-13.10641	9.27308
UPH_CALC	Equal variances assumed	.900	5	.409	1.0833	1.20358	-2.01057	4.17724
ATA_CALC	Equal variances assumed	-.036	5	.973	-.0833	2.32707	-6.06527	5.89860
UTP_CALC	Equal variances assumed	-.340	5	.747	-1.0000	2.93825	-8.55302	6.55302
TBP_CALC	Equal variances assumed	.305	5	.773	1.0833	3.55649	-8.05891	10.22558
MPH_CALC	Equal variances assumed	-1.228	5	.274	-1.4167	1.15410	-4.38337	1.55004
PAS_CALC	Equal variances assumed	1.318	5	.245	2.0833	1.58070	-1.97998	6.14665

a RN = 0113

เปรียบเทียบค่าที่วัดจากภาพรังสีที่สุ่มขึ้นมาจำนวน 20 ภาพ (RN = 0094 ถึง 0113)
ที่อ่านโดยผู้วิจัย (research) กับค่าที่อ่านโดยอาจารย์ (A.Panunn)

T-Test

Group Statistics

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	research	20	86.2250	3.18498	.71218
	A.Panunn	20	84.8000	3.32613	.74375
SNB_CALC	research	17	83.0882	3.67524	.89138
	A.Panunn	19	81.1579	3.41180	.78272
SGB_CALC	research	17	14.2059	5.29168	1.28342
	A.Panunn	19	15.0263	4.02932	.92439
UPH_CALC	research	16	9.8438	2.40637	.60159
	A.Panunn	19	9.3421	2.37494	.54485
ATA_CALC	research	17	33.9706	3.78100	.91703
	A.Panunn	19	32.2632	3.55656	.81593
UTP_CALC	research	19	40.6579	3.98975	.91531
	A.Panunn	20	41.1500	4.09782	.91630
TBP_CALC	research	17	47.7647	4.13868	1.00378
	A.Panunn	19	48.6842	5.41143	1.24147
MPH_CALC	research	17	13.6176	4.76815	1.15645
	A.Panunn	19	15.1579	6.14422	1.40958
PAS_CALC	research	17	11.8235	3.26411	.79166
	A.Panunn	19	10.8421	3.13162	.71844

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
SNA_CALC	Equal variances assumed	.217	.644	2.326	38	.102	2.4250	1.02974	1.34040	5.50960
	Equal variances not assumed			2.326	37.929	.102	2.4250	1.02974	1.34027	5.50973
SNB_CALC	Equal variances assumed	.228	.636	1.634	34	.111	1.9303	1.18123	-.47020	4.33088
	Equal variances not assumed			1.627	32.834	.113	1.9303	1.18625	-.48358	4.34426
SGB_CALC	Equal variances assumed	.421	.521	-.527	34	.602	-.8204	1.55777	-3.98621	2.34534
	Equal variances not assumed			-.519	29.782	.608	-.8204	1.58166	-4.05161	2.41075
UPH_CALC	Equal variances assumed	.138	.712	.619	33	.540	.5016	.81071	-1.14775	2.15104
	Equal variances not assumed			.618	31.845	.541	.5016	.81165	-1.15195	2.15524
ATA_CALC	Equal variances assumed	.080	.780	1.031	34	.075	1.7074	1.22319	1.22162	6.19324
	Equal variances not assumed			1.020	32.985	.075	1.7074	1.22747	1.21008	6.20478
UTP_CALC	Equal variances assumed	.004	.953	-.380	37	.706	-.4921	1.29606	-3.11817	2.13396
	Equal variances not assumed			-.380	36.975	.706	-.4921	1.29515	-3.11638	2.13217
TBP_CALC	Equal variances assumed	.909	.347	-.567	34	.574	-.9195	1.62058	-4.21293	2.37392
	Equal variances not assumed			-.576	33.244	.569	-.9195	1.59650	-4.16670	2.32769
MPH_CALC	Equal variances assumed	.812	.374	-1.996	34	.305	-1.5402	1.84933	-9.29853	-1.78197
	Equal variances not assumed			-2.039	33.375	.305	-1.5402	1.82326	-9.24812	-1.83237
PAS_CALC	Equal variances assumed	.061	.807	.920	34	.364	.9814	1.06653	-1.18603	3.14888
	Equal variances not assumed			.918	33.194	.365	.9814	1.06906	-1.19311	3.15596

เปรียบเทียบค่าที่วัดโดยผู้วิจัยจากภาพรังสีที่สุ่มขึ้นมาจำนวน 20 ภาพ (RN = 0094 ถึง 0113)

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	SNA1	87.150	20	3.2650	.7301
	SNA2	87.300	20	3.3261	.7437
Pair 2	SNB1	83.294	17	3.7544	.9106
	SNB2	82.882	17	3.7397	.9070
Pair 3	SGB1	14.176	17	5.7471	1.3939
	SGB2	14.235	17	5.1542	1.2501
Pair 4	UPH1	9.563	16	2.3656	.5914
	UPH2	10.125	16	2.5000	.6250
Pair 5	ATA1	34.765	17	3.8976	.9453
	ATA2	35.176	17	3.7788	.9165
Pair 6	UTP1	40.947	19	4.0342	.9255
	UTP2	40.368	19	4.1528	.9527
Pair 7	TBP1	47.765	17	4.2797	1.0380
	TBP2	47.765	17	4.0702	.9872
Pair 8	MPH1	11.882	17	4.7154	1.1437
	MPH2	11.353	17	4.8855	1.1849
Pair 9	PAS1	11.353	17	3.3343	.8087
	PAS2	12.294	17	3.2742	.7941

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	SNA1 & SNA2	20	.868	.000
Pair 2	SNB1 & SNB2	17	.924	.000
Pair 3	SGB1 & SGB2	17	.885	.000
Pair 4	UPH1 & UPH2	16	.957	.000
Pair 5	ATA1 & ATA2	17	.941	.000
Pair 6	UTP1 & UTP2	19	.900	.000
Pair 7	TBP1 & TBP2	17	.965	.000
Pair 8	MPH1 & MPH2	17	.973	.000
Pair 9	PAS1 & PAS2	17	.952	.000

Paired Samples Test

	Paired Differences					t	df	Sig. (2-tailed)
	Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
				Lower	Upper			
SNA1 - SNA2	-.150	1.6944	.3789	-.943	.643	-.396	19	.697
SNB1 - SNB2	.412	1.4603	.3542	-.339	1.163	1.163	16	.262
SGB1 - SGB2	-.059	2.6803	.6501	-1.437	1.319	-.090	16	.929
UPH1 - UPH2	-.563	.7274	.1819	-.950	-.175	-.093	15	.797
ATA1 - ATA2	-.412	1.3257	.3215	-1.093	.270	-1.281	16	.219
UTP1 - UTP2	.579	1.8353	.4211	-.306	1.464	1.375	18	.186
TBP1 - TBP2	.000	1.1180	.2712	-.575	.575	.000	16	1.000
MPH1 - MPH2	.529	1.1246	.2728	-.049	1.108	1.941	16	.070
PAS1 - PAS2	-.941	1.0290	.2496	-1.470	-.412	-1.771	16	.082

เปรียบเทียบค่าที่วัดจากภาพรังสีที่สุ่มขึ้นมาจำนวน 20 ภาพ (RN = 0094 ถึง 0113) โดยอาจารย์(A.Panunn)กับค่าที่วัดโดยนิสิตหลังปริญญา(postgrad) จำนวน 9 คน

RN = 0094

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	79.9444	3.64387	1.21462
	A.Panunn	1	78.0000	.	.
SNB_CALC	postgrad	9	74.6667	1.25000	.41667
	A.Panunn	1	74.5000	.	.
SGB_CALC	postgrad	9	23.1667	3.49106	1.16369
	A.Panunn	1	22.5000	.	.
UPH_CALC	postgrad	9	9.6111	2.17626	.72542
	A.Panunn	1	10.5000	.	.
ATA_CALC	postgrad	9	35.5000	3.71652	1.23884
	A.Panunn	1	35.5000	.	.
UTP_CALC	postgrad	9	38.8333	1.45774	.48591
	A.Panunn	1	40.0000	.	.
TBP_CALC	postgrad	9	54.5000	21.61452	7.20484
	A.Panunn	1	48.5000	.	.
MPH_CALC	postgrad	9	13.5556	2.50555	.83518
	A.Panunn	1	14.0000	.	.
PAS_CALC	postgrad	9	6.9444	.91667	.30556
	A.Panunn	1	7.5000	.	.

a RN = 009

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.506	8	.626	1.9444	3.84097	-6.91286	10.80175
SNB_CALC	Equal variances assumed	.126	8	.902	.1667	1.31762	-2.87176	3.20509
SGB_CALC	Equal variances assumed	.181	8	.861	.6667	3.67990	-7.81920	9.15253
UPH_CALC	Equal variances assumed	-.387	8	.709	-.8889	2.29398	-6.17882	4.40104
ATA_CALC	Equal variances assumed	.000	8	1.000	.0000	3.91755	-9.03389	9.03389
UTP_CALC	Equal variances assumed	-.759	8	.469	-1.1667	1.53659	-4.71005	2.37672
TBP_CALC	Equal variances assumed	.263	8	.799	6.0000	22.78371	-46.53932	58.53932
MPH_CALC	Equal variances assumed	-.168	8	.871	-.4444	2.64108	-6.53479	5.64590
PAS_CALC	Equal variances assumed	-.575	8	.581	-.5556	.96625	-2.78374	1.67262

RN = 0095

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	83.5556	5.98145	1.99382
	A.Panunn	1	79.5000	.	.
UTP_CALC	postgrad	7	43.6429	4.06934	1.53807
	A.Panunn	1	41.0000	.	.

a RN = 0095

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.643	8	.538	4.0556	6.30500	-10.48381	18.59492
UTP_CALC	Equal variances assumed	.608	6	.566	2.6429	4.35031	-8.00196	13.28767

a RN = 0095

RN = 0096

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	85.9444	8.18323	2.72774
	A.Panunn	1	84.0000	.	.
SNB_CALC	postgrad	9	84.2778	4.84840	1.61613
	A.Panunn	1	82.5000	.	.
SGB_CALC	postgrad	9	15.0556	5.75241	1.91747
	A.Panunn	1	13.5000	.	.
UPH_CALC	postgrad	9	8.9444	1.21049	.40350
	A.Panunn	1	8.0000	.	.
ATA_CALC	postgrad	9	27.2222	1.95434	.65145
	A.Panunn	1	27.0000	.	.
UTP_CALC	postgrad	9	39.2222	8.66426	2.88809
	A.Panunn	1	44.5000	.	.
TBP_CALC	postgrad	9	45.7222	1.85592	.61864
	A.Panunn	1	47.0000	.	.
MPH_CALC	postgrad	9	25.0556	1.60943	.53648
	A.Panunn	1	25.5000	.	.
PAS_CALC	postgrad	9	9.3889	1.36423	.45474
	A.Panunn	1	10.0000	.	.

a RN = 0096

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.225	8	.827	1.9444	8.62588	-17.9468	21.83577
SNB_CALC	Equal variances assumed	.348	8	.737	1.7778	5.11066	-10.0074	13.56298
SGB_CALC	Equal variances assumed	.257	8	.804	1.5556	6.06358	-12.4270	15.53819
UPH_CALC	Equal variances assumed	.740	8	.480	.9444	1.27596	-1.99794	3.88682
ATA_CALC	Equal variances assumed	.108	8	.917	.2222	2.06006	-4.52827	4.97272
UTP_CALC	Equal variances assumed	-.578	8	.579	-5.2778	9.13293	-26.3383	15.78281
TBP_CALC	Equal variances assumed	-.653	8	.532	-1.2778	1.95631	-5.78904	3.23349
MPH_CALC	Equal variances assumed	-.262	8	.800	-.4444	1.69649	-4.35656	3.46767
PAS_CALC	Equal variances assumed	-.425	8	.682	-.6111	1.43802	-3.92719	2.70497

RN = 0097

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	88.5000	7.28440	2.42813
	A.Panunn	1	87.5000	.	.
SNB_CALC	postgrad	9	82.7222	4.23609	1.41203
	A.Panunn	1	82.0000	.	.
SGB_CALC	postgrad	9	20.2222	6.53410	2.17803
	A.Panunn	1	20.5000	.	.
UPH_CALC	postgrad	9	10.7222	1.17556	.39185
	A.Panunn	1	10.5000	.	.
ATA_CALC	postgrad	9	27.7222	1.64148	.54716
	A.Panunn	1	26.5000	.	.
UTP_CALC	postgrad	9	40.5000	3.04138	1.01379
	A.Panunn	1	40.0000	.	.
TBP_CALC	postgrad	9	47.7222	2.26538	.75513
	A.Panunn	1	49.0000	.	.
MPH_CALC	postgrad	9	10.3333	.79057	.26352
	A.Panunn	1	8.5000	.	.
PAS_CALC	postgrad	9	9.5556	2.49305	.83102
	A.Panunn	1	10.5000	.	.

a RN = 0097

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.130	8	.900	1.0000	7.67843	-16.70650	18.70650
SNB_CALC	Equal variances assumed	.162	8	.876	.7222	4.46523	-9.57461	11.01906
SGB_CALC	Equal variances assumed	-.040	8	.969	-.2778	6.88754	-16.16048	15.60493
UPH_CALC	Equal variances assumed	.179	8	.862	.2222	1.23915	-2.63526	3.07971
ATA_CALC	Equal variances assumed	.706	8	.500	1.2222	1.73027	-2.76778	5.21223
UTP_CALC	Equal variances assumed	.156	8	.880	.5000	3.20590	-6.89281	7.89281
TBP_CALC	Equal variances assumed	-.535	8	.607	-1.2778	2.38792	-6.78433	4.22877
MPH_CALC	Equal variances assumed	2.200	8	.059	1.8333	.83333	-.08834	3.75500
PAS_CALC	Equal variances assumed	-.359	8	.729	-.9444	2.62790	-7.00440	5.11551

a RN = 0097

RN = 0098

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	8	84.0000	6.65475	2.35281
	A.Panunn	1	82.0000	.	.
SNB_CALC	postgrad	8	81.5625	4.87294	1.72284
	A.Panunn	1	79.0000	.	.
SGB_CALC	postgrad	8	12.8750	4.64258	1.64140
	A.Panunn	1	11.5000	.	.
UPH_CALC	postgrad	9	8.3889	1.29368	.43123
	A.Panunn	1	7.5000	.	.
ATA_CALC	postgrad	9	30.2778	4.84840	1.61613
	A.Panunn	1	29.0000	.	.
UTP_CALC	postgrad	9	38.3333	1.93649	.64550
	A.Panunn	1	39.5000	.	.
TBP_CALC	postgrad	9	49.1111	4.38590	1.46197
	A.Panunn	1	50.5000	.	.
MPH_CALC	postgrad	9	11.2778	2.19532	.73177
	A.Panunn	1	12.5000	.	.
PAS_CALC	postgrad	9	7.7778	2.50139	.83380
	A.Panunn	1	7.0000	.	.

a RN = 0098

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.283	7	.785	2.0000	7.05843	-14.6905	18.69053
SNB_CALC	Equal variances assumed	.496	7	.635	2.5625	5.16853	-9.65914	14.78414
SGB_CALC	Equal variances assumed	.279	7	.788	1.3750	4.92420	-10.2688	13.01889
UPH_CALC	Equal variances assumed	.652	8	.533	.8889	1.36366	-2.25572	4.03349
ATA_CALC	Equal variances assumed	.250	8	.809	1.2778	5.11066	-10.5074	13.06298
UTP_CALC	Equal variances assumed	-.572	8	.583	-1.1667	2.04124	-5.87378	3.54044
TBP_CALC	Equal variances assumed	-.300	8	.772	-1.3889	4.62314	-12.0498	9.27210
MPH_CALC	Equal variances assumed	-.528	8	.612	-1.2222	2.31407	-6.55849	4.11404
PAS_CALC	Equal variances assumed	.295	8	.776	.7778	2.63669	-5.30245	6.85801

a RN = 0098

RN = 0099

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	89.4444	5.56465	1.85488
	A.Panunn	1	88.5000	.	.
SNB_CALC	postgrad	3	84.0000	1.00000	.57735
	A.Panunn	1	84.0000	.	.
SGB_CALC	postgrad	3	11.1667	1.60728	.92796
	A.Panunn	1	12.0000	.	.
UPH_CALC	postgrad	3	10.3333	1.52753	.88192
	A.Panunn	1	8.5000	.	.
ATA_CALC	postgrad	2	38.5000	4.94975	3.50000
	A.Panunn	1	35.5000	.	.
UTP_CALC	postgrad	8	43.5625	4.27983	1.51315
	A.Panunn	1	47.5000	.	.
TBP_CALC	postgrad	3	52.5000	5.63471	3.25320
	A.Panunn	1	52.0000	.	.
MPH_CALC	postgrad	3	28.5000	2.78388	1.60728
	A.Panunn	1	30.5000	.	.
PAS_CALC	postgrad	3	12.0000	1.32288	.76376
	A.Panunn	1	10.5000	.	.

a RN = 0099

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.161	8	.876	.9444	5.86565	-12.5817	14.47066
SNB_CALC	Equal variances assumed	.000	2	1.000	.0000	1.15470	-4.96828	4.96828
SGB_CALC	Equal variances assumed	-.449	2	.697	-.8333	1.85592	-8.81872	7.15205
UPH_CALC	Equal variances assumed	1.039	2	.408	1.8333	1.76383	-5.75583	9.42250
ATA_CALC	Equal variances assumed	.495	1	.707	3.0000	6.06218	-74.0272	80.02727
UTP_CALC	Equal variances assumed	-.867	7	.414	-3.9375	4.53945	-14.6715	6.79659
TBP_CALC	Equal variances assumed	.077	2	.946	.5000	6.50641	-27.4948	28.49481
MPH_CALC	Equal variances assumed	-.622	2	.597	-2.0000	3.21455	-15.8310	11.83109
PAS_CALC	Equal variances assumed	.982	2	.430	1.5000	1.52753	-5.07241	8.07241

a RN = 0099

RN = 0100

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	83.7778	8.29951	2.76650
	A.Panunn	1	83.0000	.	.
SNB_CALC	postgrad	9	84.5556	4.11889	1.37296
	A.Panunn	1	83.5000	.	.
SGB_CALC	postgrad	9	15.0556	5.33529	1.77843
	A.Panunn	1	16.0000	.	.
UPH_CALC	postgrad	9	6.8333	1.34629	.44876
	A.Panunn	1	5.0000	.	.
ATA_CALC	postgrad	8	31.5000	2.56348	.90633
	A.Panunn	1	32.5000	.	.
UTP_CALC	postgrad	9	38.6667	2.17945	.72648
	A.Panunn	1	38.0000	.	.
TBP_CALC	postgrad	9	48.3889	2.45939	.81980
	A.Panunn	1	46.5000	.	.
MPH_CALC	postgrad	9	10.3333	1.56125	.52042
	A.Panunn	1	14.0000	.	.
PAS_CALC	postgrad	9	7.6667	1.47902	.49301
	A.Panunn	1	7.0000	.	.

a RN = 0100

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.089	8	.931	.7778	8.74846	-19.39620	20.95175
SNB_CALC	Equal variances assumed	.243	8	.814	1.0556	4.34169	-8.95641	11.06752
SGB_CALC	Equal variances assumed	-.168	8	.871	-.9444	5.62389	-13.91315	12.02426
UPH_CALC	Equal variances assumed	1.292	8	.232	1.8333	1.41912	-1.43915	5.10582
ATA_CALC	Equal variances assumed	-.368	7	.724	-1.0000	2.71898	-7.42937	5.42937
UTP_CALC	Equal variances assumed	.290	8	.779	.6667	2.29734	-4.63101	5.96435
TBP_CALC	Equal variances assumed	.729	8	.487	1.8889	2.59243	-4.08926	7.86704
MPH_CALC	Equal variances assumed	-2.228	8	.056	-3.6667	1.64570	-7.46166	.12833
PAS_CALC	Equal variances assumed	.428	8	.680	.6667	1.55902	-2.92845	4.26178

a RN = 0100

RN = 0101

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	84.8889	6.63691	2.21230
	A.Panunn	1	81.5000	.	.
SNB_CALC	postgrad	9	82.8333	5.18411	1.72804
	A.Panunn	1	79.5000	.	.
SGB_CALC	postgrad	9	15.7778	4.60374	1.53458
	A.Panunn	1	18.5000	.	.
UPH_CALC	postgrad	9	8.1667	1.87083	.62361
	A.Panunn	1	8.0000	.	.
ATA_CALC	postgrad	9	29.7222	2.59941	.86647
	A.Panunn	1	28.0000	.	.
UTP_CALC	postgrad	9	36.3333	1.47902	.49301
	A.Panunn	1	35.0000	.	.
TBP_CALC	postgrad	9	40.9444	1.82764	.60921
	A.Panunn	1	40.5000	.	.
MPH_CALC	postgrad	9	15.5000	2.01556	.67185
	A.Panunn	1	17.0000	.	.
PAS_CALC	postgrad	9	13.1111	1.21906	.40635
	A.Panunn	1	11.5000	.	.

a RN = 0101

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.484	8	.641	3.3889	6.99592	-12.7437	19.52151
SNB_CALC	Equal variances assumed	.610	8	.559	3.3333	5.46453	-9.26790	15.93457
SGB_CALC	Equal variances assumed	-.561	8	.590	-2.7222	4.85277	-13.9127	8.46829
UPH_CALC	Equal variances assumed	.085	8	.935	.1667	1.97203	-4.38083	4.71417
ATA_CALC	Equal variances assumed	.629	8	.547	1.7222	2.74002	-4.59628	8.04072
UTP_CALC	Equal variances assumed	.855	8	.417	1.3333	1.55902	-2.26178	4.92845
TBP_CALC	Equal variances assumed	.231	8	.823	.4444	1.92650	-3.99808	4.88697
MPH_CALC	Equal variances assumed	-.706	8	.500	-1.5000	2.12459	-6.39932	3.39932
PAS_CALC	Equal variances assumed	1.254	8	.245	1.6111	1.28500	-1.35211	4.57434

a RN = 0101

RN = 0102

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	88.6111	2.43385	.81128
	A.Panunn	1	90.0000	.	.
SNB_CALC	postgrad	9	88.0000	1.41421	.47140
	A.Panunn	1	88.0000	.	.
SGB_CALC	postgrad	9	10.2222	2.10819	.70273
	A.Panunn	1	11.5000	.	.
UPH_CALC	postgrad	9	11.5000	2.23607	.74536
	A.Panunn	1	10.5000	.	.
ATA_CALC	postgrad	9	33.7222	2.30639	.76880
	A.Panunn	1	30.5000	.	.
UTP_CALC	postgrad	9	37.7778	2.77389	.92463
	A.Panunn	1	37.0000	.	.
TBP_CALC	postgrad	9	45.5000	1.43614	.47871
	A.Panunn	1	42.0000	.	.
MPH_CALC	postgrad	9	9.7778	2.58736	.86245
	A.Panunn	1	14.5000	.	.
PAS_CALC	postgrad	9	11.2222	.75462	.25154
	A.Panunn	1	10.5000	.	.

a RN = 0102

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.541	8	.603	-1.3889	2.56550	-7.30494	4.52716
SNB_CALC	Equal variances assumed	.000	8	1.000	.0000	1.49071	-3.43759	3.43759
SGB_CALC	Equal variances assumed	-.575	8	.581	-1.2778	2.22222	-6.40223	3.84668
UPH_CALC	Equal variances assumed	.424	8	.683	1.0000	2.35702	-4.43530	6.43530
ATA_CALC	Equal variances assumed	1.325	8	.222	3.2222	2.43115	-2.38402	8.82847
UTP_CALC	Equal variances assumed	.266	8	.797	.7778	2.92393	-5.96482	7.52038
TBP_CALC	Equal variances assumed	2.312	8	.050	3.5000	1.51383	.00911	6.99089
MPH_CALC	Equal variances assumed	-1.731	8	.122	-4.7222	2.72732	-11.0114	1.56699
PAS_CALC	Equal variances assumed	.908	8	.390	.7222	.79543	-1.11205	2.55650

a RN = 0102

RN = 0103

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	86.6111	7.14483	2.38161
	A.Panunn	1	86.0000	.	.
SNB_CALC	postgrad	9	81.0556	4.88265	1.62755
	A.Panunn	1	81.0000	.	.
SGB_CALC	postgrad	9	22.3333	6.29484	2.09828
	A.Panunn	1	22.5000	.	.
UPH_CALC	postgrad	9	12.4444	1.86153	.62051
	A.Panunn	1	11.5000	.	.
ATA_CALC	postgrad	9	37.0000	5.17808	1.72603
	A.Panunn	1	32.5000	.	.
UTP_CALC	postgrad	9	38.3333	2.35850	.78617
	A.Panunn	1	39.5000	.	.
TBP_CALC	postgrad	9	46.5000	2.35850	.78617
	A.Panunn	1	47.0000	.	.
MPH_CALC	postgrad	9	18.3333	1.62019	.54006
	A.Panunn	1	20.0000	.	.
PAS_CALC	postgrad	9	12.5000	1.19896	.39965
	A.Panunn	1	11.5000	.	.

a RN = 0103

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.081	8	.937	.6111	7.53131	-16.7561	17.97835
SNB_CALC	Equal variances assumed	.011	8	.992	.0556	5.14677	-11.8129	11.92402
SGB_CALC	Equal variances assumed	-.025	8	.981	-.1667	6.63534	-15.4678	15.13446
UPH_CALC	Equal variances assumed	.481	8	.643	.9444	1.96222	-3.58044	5.46933
ATA_CALC	Equal variances assumed	.824	8	.434	4.5000	5.45817	-8.08657	17.08657
UTP_CALC	Equal variances assumed	-.469	8	.651	-1.1667	2.48607	-6.89956	4.56623
TBP_CALC	Equal variances assumed	-.201	8	.846	-.5000	2.48607	-6.23289	5.23289
MPH_CALC	Equal variances assumed	-.976	8	.358	-1.6667	1.70783	-5.60492	2.27159
PAS_CALC	Equal variances assumed	.791	8	.452	1.0000	1.26381	-1.91436	3.91436

a RN = 0103

RN = 0104

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	91.2222	5.35672	1.78557
	A.Panunn	1	85.5000	.	.
SNB_CALC	postgrad	9	88.2222	5.72883	1.90961
	A.Panunn	1	82.5000	.	.
SGB_CALC	postgrad	9	8.2778	4.12395	1.37465
	A.Panunn	1	13.5000	.	.
UPH_CALC	postgrad	9	10.6111	1.79892	.59964
	A.Panunn	1	11.5000	.	.
ATA_CALC	postgrad	9	28.6111	1.99652	.66551
	A.Panunn	1	30.0000	.	.
UTP_CALC	postgrad	9	36.1667	7.36122	2.45374
	A.Panunn	1	36.5000	.	.
TBP_CALC	postgrad	8	43.3750	2.15058	.76035
	A.Panunn	1	45.0000	.	.
MPH_CALC	postgrad	8	16.3750	2.11711	.74851
	A.Panunn	1	18.5000	.	.
PAS_CALC	postgrad	8	11.1250	1.02644	.36290
	A.Panunn	1	11.0000	.	.

a RN = 0104

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	1.013	8	.341	5.7222	5.64648	-7.29858	18.74302
SNB_CALC	Equal variances assumed	.948	8	.371	5.7222	6.03871	-8.20307	19.64752
SGB_CALC	Equal variances assumed	-1.201	8	.264	-5.2222	4.34702	-15.2464	4.80203
UPH_CALC	Equal variances assumed	-.469	8	.652	-.8889	1.89623	-5.26160	3.48382
ATA_CALC	Equal variances assumed	-.660	8	.528	-1.3889	2.10452	-6.24193	3.46415
UTP_CALC	Equal variances assumed	-.043	8	.967	-.3333	7.75940	-18.2265	17.55988
TBP_CALC	Equal variances assumed	-.712	7	.499	-1.6250	2.28104	-7.01879	3.76879
MPH_CALC	Equal variances assumed	-.946	7	.375	-2.1250	2.24553	-7.43484	3.18484
PAS_CALC	Equal variances assumed	.115	7	.912	.1250	1.08870	-2.44937	2.69937

a RN = 0104

RN = 0105

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	86.3333	6.75463	2.25154
	A.Panunn	1	79.5000	.	.
SNB_CALC	postgrad	9	80.6667	5.59576	1.86525
	A.Panunn	1	75.5000	.	.
SGB_CALC	postgrad	9	10.2778	6.97814	2.32605
	A.Panunn	1	10.5000	.	.
UPH_CALC	postgrad	9	8.1667	1.03078	.34359
	A.Panunn	1	7.0000	.	.
ATA_CALC	postgrad	9	30.0556	5.10786	1.70262
	A.Panunn	1	32.0000	.	.
UTP_CALC	postgrad	9	46.0556	4.68671	1.56224
	A.Panunn	1	49.5000	.	.
TBP_CALC	postgrad	9	51.2778	16.94497	5.64832
	A.Panunn	1	61.0000	.	.
MPH_CALC	postgrad	9	11.8333	3.24037	1.08012
	A.Panunn	1	13.0000	.	.
PAS_CALC	postgrad	9	15.2222	16.44710	5.48237
	A.Panunn	1	8.5000	.	.

a RN = 0105

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.960	8	.365	6.8333	7.12000	-9.58542	23.25209
SNB_CALC	Equal variances assumed	.876	8	.407	5.1667	5.89845	-8.43517	18.76851
SGB_CALC	Equal variances assumed	-.030	8	.977	-.2222	7.35561	-17.18428	16.73984
UPH_CALC	Equal variances assumed	1.074	8	.314	1.1667	1.08653	-1.33888	3.67222
ATA_CALC	Equal variances assumed	-.361	8	.727	-1.9444	5.38416	-14.36034	10.47145
UTP_CALC	Equal variances assumed	-.697	8	.505	-3.4444	4.94023	-14.83663	7.94774
TBP_CALC	Equal variances assumed	-.544	8	.601	-9.7222	17.86156	-50.91106	31.46662
MPH_CALC	Equal variances assumed	-.342	8	.741	-1.1667	3.41565	-9.04317	6.70984
PAS_CALC	Equal variances assumed	.388	8	.708	6.7222	17.33676	-33.25642	46.70086

a RN = 0105

RN = 0106

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	85.1111	5.67769	1.89256
	A.Panunn	1	80.0000	.	.
SNB_CALC	postgrad	9	82.1667	5.63471	1.87824
	A.Panunn	1	79.5000	.	.
SGB_CALC	postgrad	9	12.5556	4.73976	1.57992
	A.Panunn	1	13.0000	.	.
UPH_CALC	postgrad	9	7.8889	1.88378	.62793
	A.Panunn	1	5.5000	.	.
ATA_CALC	postgrad	9	29.1667	3.59687	1.19896
	A.Panunn	1	27.0000	.	.
UTP_CALC	postgrad	9	40.0556	3.17652	1.05884
	A.Panunn	1	42.0000	.	.
TBP_CALC	postgrad	9	43.3889	1.40929	.46976
	A.Panunn	1	46.0000	.	.
MPH_CALC	postgrad	9	15.0556	2.03784	.67928
	A.Panunn	1	15.0000	.	.
PAS_CALC	postgrad	9	8.8333	.90139	.30046
	A.Panunn	1	7.5000	.	.

a RN = 0106

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.854	8	.418	5.1111	5.98481	-8.68988	18.91210
SNB_CALC	Equal variances assumed	.449	8	.665	2.6667	5.93951	-11.02987	16.36320
SGB_CALC	Equal variances assumed	-.089	8	.931	-.4444	4.99614	-11.96557	11.07668
UPH_CALC	Equal variances assumed	1.203	8	.263	2.3889	1.98567	-2.19008	6.96786
ATA_CALC	Equal variances assumed	.571	8	.583	2.1667	3.79144	-6.57640	10.90974
UTP_CALC	Equal variances assumed	-.581	8	.577	-1.9444	3.34835	-9.66574	5.77685
TBP_CALC	Equal variances assumed	-1.758	8	.117	-2.6111	1.48553	-6.03674	.81452
MPH_CALC	Equal variances assumed	.026	8	.980	.0556	2.14807	-4.89790	5.00901
PAS_CALC	Equal variances assumed	1.403	8	.198	1.3333	.95015	-.85771	3.52437

a RN = 0106

RN = 0107

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	8	85.8125	5.47029	1.93404
	A.Panunn	1	82.0000	.	.
UPH_CALC	postgrad	2	7.2500	1.06066	.75000
	A.Panunn	1	8.0000	.	.
UTP_CALC	postgrad	8	46.6250	3.91654	1.38471
	A.Panunn	1	47.5000	.	.
TBP_CALC	postgrad	2	63.0000	2.82843	2.00000
	A.Panunn	1	62.5000	.	.
MPH_CALC	postgrad	2	22.2500	2.47487	1.75000
	A.Panunn	1	25.0000	.	.
PAS_CALC	postgrad	2	12.7500	.35355	.25000
	A.Panunn	1	12.5000	.	.

a RN = 0107

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.657	7	.532	3.8125	5.80212	-9.90734	17.53234
UPH_CALC	Equal variances assumed	-.577	1	.667	-.7500	1.29904	-17.25584	15.75584
UTP_CALC	Equal variances assumed	-.211	7	.839	-.8750	4.15412	-10.69793	8.94793
TBP_CALC	Equal variances assumed	.144	1	.909	.5000	3.46410	-43.51558	44.51558
MPH_CALC	Equal variances assumed	-.907	1	.531	-2.7500	3.03109	-41.26364	35.76364
PAS_CALC	Equal variances assumed	.577	1	.667	.2500	.43301	-5.25195	5.75195

a RN = 0107

RN = 0108

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	86.7778	5.19080	1.73027
	A.Panunn	1	84.5000	.	.
SNB_CALC	postgrad	9	83.6111	4.37877	1.45959
	A.Panunn	1	81.0000	.	.
SGB_CALC	postgrad	9	14.6111	4.81390	1.60463
	A.Panunn	1	17.5000	.	.
UPH_CALC	postgrad	9	10.7778	2.76260	.92087
	A.Panunn	1	10.0000	.	.
ATA_CALC	postgrad	9	34.8889	3.37062	1.12354
	A.Panunn	1	35.0000	.	.
UTP_CALC	postgrad	9	41.7778	2.50139	.83380
	A.Panunn	1	41.5000	.	.
TBP_CALC	postgrad	9	46.1667	2.66927	.88976
	A.Panunn	1	47.0000	.	.
MPH_CALC	postgrad	9	18.2778	2.19532	.73177
	A.Panunn	1	20.0000	.	.
PAS_CALC	postgrad	9	15.6667	2.01556	.67185
	A.Panunn	1	15.0000	.	.

a RN = 0108

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.416	8	.688	2.2778	5.47159	-10.3397	14.89528
SNB_CALC	Equal variances assumed	.566	8	.587	2.6111	4.61563	-8.03254	13.25477
SGB_CALC	Equal variances assumed	-.569	8	.585	-2.8889	5.07429	-14.5902	8.81245
UPH_CALC	Equal variances assumed	.267	8	.796	.7778	2.91203	-5.93738	7.49294
ATA_CALC	Equal variances assumed	-.031	8	.976	-.1111	3.55295	-8.30423	8.08201
UTP_CALC	Equal variances assumed	.105	8	.919	.2778	2.63669	-5.80245	6.35801
TBP_CALC	Equal variances assumed	-.296	8	.775	-.8333	2.81366	-7.32164	5.65497
MPH_CALC	Equal variances assumed	-.744	8	.478	-1.7222	2.31407	-7.05849	3.61404
PAS_CALC	Equal variances assumed	.314	8	.762	.6667	2.12459	-4.23265	5.56598

a RN = 0108

RN = 0109

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	90.3889	5.69966	1.89989
	A.Panunn	1	88.5000	.	.
SNB_CALC	postgrad	9	88.5000	5.69539	1.89846
	A.Panunn	1	87.5000	.	.
SGB_CALC	postgrad	9	15.2222	7.99653	2.66551
	A.Panunn	1	17.0000	.	.
UPH_CALC	postgrad	9	14.0556	1.79312	.59771
	A.Panunn	1	15.0000	.	.
ATA_CALC	postgrad	9	31.3889	4.12142	1.37381
	A.Panunn	1	31.0000	.	.
UTP_CALC	postgrad	9	42.9444	.80795	.26932
	A.Panunn	1	44.0000	.	.
TBP_CALC	postgrad	9	47.5000	11.38255	3.79418
	A.Panunn	1	49.5000	.	.
MPH_CALC	postgrad	9	16.7222	2.07833	.69278
	A.Panunn	1	19.0000	.	.
PAS_CALC	postgrad	8	21.7500	10.68711	3.77846
	A.Panunn	1	18.5000	.	.

a RN = 0109

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.314	8	.761	1.8889	6.00797	-11.96551	15.74329
SNB_CALC	Equal variances assumed	.167	8	.872	1.0000	6.00347	-12.84403	14.84403
SGB_CALC	Equal variances assumed	-.211	8	.838	-1.7778	8.42908	-21.21527	17.65971
UPH_CALC	Equal variances assumed	-.500	8	.631	-.9444	1.89011	-5.30306	3.41417
ATA_CALC	Equal variances assumed	.090	8	.931	.3889	4.34436	-9.62922	10.40700
UTP_CALC	Equal variances assumed	-1.239	8	.250	-1.0556	.85165	-3.01947	.90835
TBP_CALC	Equal variances assumed	-.167	8	.872	-2.0000	11.99826	-29.66805	25.66805
MPH_CALC	Equal variances assumed	-1.040	8	.329	-2.2778	2.19075	-7.32965	2.77410
PAS_CALC	Equal variances assumed	.287	7	.783	3.2500	11.33539	-23.55394	30.05394

a RN = 0109

RN = 0110

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	88.3333	6.70354	2.23451
	A.Panunn	1	84.0000	.	.
SNB_CALC	postgrad	9	82.2222	5.52331	1.84110
	A.Panunn	1	79.0000	.	.
SGB_CALC	postgrad	9	10.1111	3.86311	1.28770
	A.Panunn	1	14.5000	.	.
UPH_CALC	postgrad	9	11.0000	1.58114	.52705
	A.Panunn	1	12.0000	.	.
ATA_CALC	postgrad	9	31.2222	3.41056	1.13685
	A.Panunn	1	30.5000	.	.
UTP_CALC	postgrad	9	37.0556	1.13039	.37680
	A.Panunn	1	37.5000	.	.
TBP_CALC	postgrad	8	48.8750	3.15945	1.11704
	A.Panunn	1	45.5000	.	.
MPH_CALC	postgrad	9	14.6111	2.65492	.88497
	A.Panunn	1	16.5000	.	.
PAS_CALC	postgrad	9	14.6667	2.00000	.66667
	A.Panunn	1	16.5000	.	.

a RN = 0110

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.613	8	.557	4.3333	7.06616	-11.96125	20.62792
SNB_CALC	Equal variances assumed	.553	8	.595	3.2222	5.82208	-10.20352	16.64796
SGB_CALC	Equal variances assumed	-1.078	8	.313	-4.3889	4.07207	-13.77911	5.00133
UPH_CALC	Equal variances assumed	-.600	8	.565	-1.0000	1.66667	-4.84334	2.84334
ATA_CALC	Equal variances assumed	.201	8	.846	.7222	3.59505	-7.56798	9.01242
UTP_CALC	Equal variances assumed	-.373	8	.719	-.4444	1.19153	-3.19213	2.30324
TBP_CALC	Equal variances assumed	1.007	7	.347	3.3750	3.35111	-4.54911	11.29911
MPH_CALC	Equal variances assumed	-.675	8	.519	-1.8889	2.79853	-8.34232	4.56454
PAS_CALC	Equal variances assumed	-.870	8	.410	-1.8333	2.10819	-6.69482	3.02815

a RN = 0110

RN = 0111

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	82.5556	3.61805	1.20602
	A.Panunn	1	82.0000	.	.
SNB_CALC	postgrad	9	78.7778	3.83333	1.27778
	A.Panunn	1	78.5000	.	.
SGB_CALC	postgrad	9	17.4444	4.98400	1.66133
	A.Panunn	1	17.5000	.	.
UPH_CALC	postgrad	5	7.9000	1.43178	.64031
	A.Panunn	1	9.5000	.	.
ATA_CALC	postgrad	8	34.8125	4.78791	1.69278
	A.Panunn	1	35.0000	.	.
UTP_CALC	postgrad	5	43.3000	1.44049	.64420
	A.Panunn	1	46.0000	.	.
TBP_CALC	postgrad	9	41.4444	14.20705	4.73568
	A.Panunn	1	47.0000	.	.
MPH_CALC	postgrad	9	19.7222	3.10354	1.03451
	A.Panunn	1	22.5000	.	.
PAS_CALC	postgrad	9	10.5000	.93541	.31180
	A.Panunn	1	9.5000	.	.

a RN = 0111

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.146	8	.888	.5556	3.81376	-8.23899	9.35010
SNB_CALC	Equal variances assumed	.069	8	.947	.2778	4.04069	-9.04007	9.59562
SGB_CALC	Equal variances assumed	-.011	8	.992	-.0556	5.25360	-12.17038	12.05927
UPH_CALC	Equal variances assumed	-1.020	4	.365	-1.6000	1.56844	-5.95468	2.75468
ATA_CALC	Equal variances assumed	-.037	7	.972	-.1875	5.07835	-12.19589	11.82089
UTP_CALC	Equal variances assumed	-1.711	4	.162	-2.7000	1.57797	-7.08116	1.68116
TBP_CALC	Equal variances assumed	-.371	8	.720	-5.5556	14.97555	-40.08923	28.97812
MPH_CALC	Equal variances assumed	-.849	8	.421	-2.7778	3.27142	-10.32168	4.76612
PAS_CALC	Equal variances assumed	1.014	8	.340	1.0000	.98601	-1.27375	3.27375

a RN = 0111

RN = 0112

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	89.6667	5.60692	1.86897
	A.Panunn	1	86.0000	.	.
SNB_CALC	postgrad	9	84.5556	4.87625	1.62542
	A.Panunn	1	83.5000	.	.
SGB_CALC	postgrad	8	13.7500	7.63451	2.69921
	A.Panunn	1	10.5000	.	.
UPH_CALC	postgrad	9	10.1667	1.22474	.40825
	A.Panunn	1	9.5000	.	.
ATA_CALC	postgrad	8	34.4375	2.09485	.74064
	A.Panunn	1	31.0000	.	.
UTP_CALC	postgrad	9	39.1667	1.67705	.55902
	A.Panunn	1	38.0000	.	.
TBP_CALC	postgrad	9	46.8889	.96105	.32035
	A.Panunn	1	47.0000	.	.
MPH_CALC	postgrad	9	3.4444	1.21049	.40350
	A.Panunn	1	4.0000	.	.
PAS_CALC	postgrad	9	12.8333	.90139	.30046
	A.Panunn	1	12.0000	.	.

a RN = 0112

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.620	8	.552	3.6667	5.91021	-9.96230	17.29563
SNB_CALC	Equal variances assumed	.205	8	.842	1.0556	5.14001	-10.7973	12.90845
SGB_CALC	Equal variances assumed	.401	7	.700	3.2500	8.09762	-15.8978	22.39783
UPH_CALC	Equal variances assumed	.516	8	.620	.6667	1.29099	-2.31037	3.64371
ATA_CALC	Equal variances assumed	1.547	7	.166	3.4375	2.22192	-1.81651	8.69151
UTP_CALC	Equal variances assumed	.660	8	.528	1.1667	1.76777	-2.90981	5.24314
TBP_CALC	Equal variances assumed	-.110	8	.915	-.1111	1.01303	-2.44717	2.22495
MPH_CALC	Equal variances assumed	-.435	8	.675	-.5556	1.27596	-3.49794	2.38682
PAS_CALC	Equal variances assumed	.877	8	.406	.8333	.95015	-1.35771	3.02437

a RN = 0112

RN = 0113

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	postgrad	9	84.1667	7.15891	2.38630
	A.Panunn	1	84.0000	.	.
SNB_CALC	postgrad	9	81.6111	5.92546	1.97515
	A.Panunn	1	80.5000	.	.
SGB_CALC	postgrad	9	17.8333	8.73212	2.91071
	A.Panunn	1	14.0000	.	.
UPH_CALC	postgrad	9	9.8889	.92796	.30932
	A.Panunn	1	9.5000	. .	.
ATA_CALC	postgrad	9	27.5000	2.88314	.96105
	A.Panunn	1	26.5000	.	.
UTP_CALC	postgrad	9	39.0556	1.82764	.60921
	A.Panunn	1	38.5000	.	.
TBP_CALC	postgrad	9	46.9444	1.57012	.52337
	A.Panunn	1	51.5000	.	.
MPH_CALC	postgrad	9	15.9444	1.62874	.54291
	A.Panunn	1	16.0000	.	.
PAS_CALC	postgrad	9	10.1667	.93541	.31180
	A.Panunn	1	9.0000	.	.

a RN = 0113

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.022	8	.983	.1667	7.54615	-17.23480	17.5681
SNB_CALC	Equal variances assumed	.178	8	.863	1.1111	6.24599	-13.29216	15.5143
SGB_CALC	Equal variances assumed	.416	8	.688	3.8333	9.20447	-17.39221	25.0588
UPH_CALC	Equal variances assumed	.398	8	.701	.3889	.97816	-1.86674	2.64452
ATA_CALC	Equal variances assumed	.329	8	.751	1.0000	3.03910	-6.00817	8.00817
UTP_CALC	Equal variances assumed	.288	8	.780	.5556	1.92650	-3.88697	4.99808
TBP_CALC	Equal variances assumed	-2.753	8	.025	-4.5556	1.65505	-8.37211	-.73900
MPH_CALC	Equal variances assumed	-.032	8	.975	-.0556	1.71684	-4.01459	3.90348
PAS_CALC	Equal variances assumed	1.183	8	.271	1.1667	.98601	-1.10708	3.44042

a RN = 0113

เปรียบเทียบค่าที่วัดจากภาพรังสีที่สุ่มขึ้นมาจำนวน 20 ภาพ (RN = 0094 ถึง 0113) โดยอาจารย์ (A.Panunn) กับค่าที่วัดโดยนิสิตชั้นปีที่ 6 (undergrad) จำนวน 6 คน

RN = 0094

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	76.8333	1.69312	.69121
	A.Panunn	1	78.0000	.	.
SNB_CALC	undergrad	6	74.6667	.98319	.40139
	A.Panunn	1	74.5000	.	.
SGB_CALC	undergrad	6	23.0833	4.35220	1.77678
	A.Panunn	1	22.5000	.	.
UPH_CALC	undergrad	6	12.5833	5.37044	2.19247
	A.Panunn	1	10.5000	.	.
ATA_CALC	undergrad	6	38.7500	6.91195	2.82179
	A.Panunn	1	35.5000	.	.
UTP_CALC	undergrad	6	35.9167	5.83452	2.38193
	A.Panunn	1	40.0000	.	.
TBP_CALC	undergrad	6	41.7500	12.87536	5.25635
	A.Panunn	1	48.5000	.	.
MPH_CALC	undergrad	6	13.0000	1.18322	.48305
	A.Panunn	1	14.0000	.	.
PAS_CALC	undergrad	6	6.9167	.49160	.20069
	A.Panunn	1	7.5000	.	.

a RN = 0094

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.638	5	.552	-1.1667	1.82878	-5.86770	3.53437
SNB_CALC	Equal variances assumed	.157	5	.881	.1667	1.06197	-2.56321	2.89654
SGB_CALC	Equal variances assumed	.124	5	.906	.5833	4.70092	-11.50076	12.6674
UPH_CALC	Equal variances assumed	.359	5	.734	2.0833	5.80074	-12.82795	16.9946
ATA_CALC	Equal variances assumed	.435	5	.681	3.2500	7.46576	-15.94133	22.4413
UTP_CALC	Equal variances assumed	-.648	5	.546	-4.0833	6.30201	-20.28316	12.1164
TBP_CALC	Equal variances assumed	-.485	5	.648	-6.7500	13.90698	-42.49904	28.9990
MPH_CALC	Equal variances assumed	-.782	5	.469	-1.0000	1.27802	-4.28525	2.28525
PAS_CALC	Equal variances assumed	-1.099	5	.322	-.5833	.53098	-1.94827	.78161

a RN = 0094

RN = 0095

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	83.5000	3.80789	1.55456
	A.Panunn	1	79.5000	.	.
UTP_CALC	undergrad	5	36.5000	10.64777	4.76183
	A.Panunn	1	41.0000	.	.

a RN = 0095

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.973	5	.375	4.0000	4.11299	-6.57277	14.57277
UTP_CALC	Equal variances assumed	-.386	4	.719	-4.5000	11.66405	-36.88459	27.88459

a RN = 0095

RN = 0096

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	85.5833	1.65580	.67598
	A.Panunn	1	84.0000	.	.
SNB_CALC	undergrad	6	84.0000	4.06202	1.65831
	A.Panunn	1	82.5000	.	.
SGB_CALC	undergrad	6	16.0000	5.83952	2.38397
	A.Panunn	1	13.5000	.	.
UPH_CALC	undergrad	6	11.9167	4.90323	2.00174
	A.Panunn	1	8.0000	.	.
ATA_CALC	undergrad	6	27.2500	1.57321	.64226
	A.Panunn	1	27.0000	.	.
UTP_CALC	undergrad	6	31.5833	16.56326	6.76192
	A.Panunn	1	44.5000	.	.
TBP_CALC	undergrad	6	40.0833	7.85122	3.20525
	A.Panunn	1	47.0000	.	.
MPH_CALC	undergrad	6	26.0833	3.35286	1.36880
	A.Panunn	1	25.5000	.	.
PAS_CALC	undergrad	6	9.3333	1.12546	.45947
	A.Panunn	1	10.0000	.	.

a RN = 0096

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.885	5	.417	1.5833	1.78847	-3.01407	6.18073
SNB_CALC	Equal variances assumed	.342	5	.746	1.5000	4.38748	-9.77838	12.77838
SGB_CALC	Equal variances assumed	.396	5	.708	2.5000	6.30740	-13.71370	18.71370
UPH_CALC	Equal variances assumed	.740	5	.493	3.9167	5.29609	-9.69738	17.53071
ATA_CALC	Equal variances assumed	.147	5	.889	.2500	1.69926	-4.11810	4.61810
UTP_CALC	Equal variances assumed	-.722	5	.503	-12.9167	17.89037	-58.90532	33.07199
TBP_CALC	Equal variances assumed	-.816	5	.452	-6.9167	8.48029	-28.71594	14.88261
MPH_CALC	Equal variances assumed	.161	5	.878	.5833	3.62150	-8.72603	9.89270
PAS_CALC	Equal variances assumed	-.548	5	.607	-.6667	1.21564	-3.79157	2.45823

a RN = 0096

RN = 0097

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	90.0000	3.01662	1.23153
	A.Panunn	1	87.5000	.	.
SNB_CALC	undergrad	6	83.8333	1.94079	.79232
	A.Panunn	1	82.0000	.	.
SGB_CALC	undergrad	6	19.7500	2.64102	1.07819
	A.Panunn	1	20.5000	.	.
UPH_CALC	undergrad	6	12.5000	1.37840	.56273
	A.Panunn	1	10.5000	.	.
ATA_CALC	undergrad	6	30.5000	4.93964	2.01660
	A.Panunn	1	26.5000	.	.
UTP_CALC	undergrad	6	36.0000	7.16240	2.92404
	A.Panunn	1	40.0000	.	.
TBP_CALC	undergrad	6	45.0000	3.11448	1.27148
	A.Panunn	1	49.0000	.	.
MPH_CALC	undergrad	6	10.9167	2.76436	1.12854
	A.Panunn	1	8.5000	.	.
PAS_CALC	undergrad	6	10.4167	.49160	.20069
	A.Panunn	1	10.5000	.	.

a RN = 0097

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.767	5	.478	2.5000	3.25832	-5.87579	10.87579
SNB_CALC	Equal variances assumed	.875	5	.422	1.8333	2.09629	-3.55536	7.22203
SGB_CALC	Equal variances assumed	-.263	5	.803	-.7500	2.85263	-8.08292	6.58292
UPH_CALC	Equal variances assumed	1.343	5	.237	2.0000	1.48885	-1.82720	5.82720
ATA_CALC	Equal variances assumed	.750	5	.487	4.0000	5.33542	-9.71512	17.71512
UTP_CALC	Equal variances assumed	-.517	5	.627	-4.0000	7.73628	-23.88674	15.88674
TBP_CALC	Equal variances assumed	-1.189	5	.288	-4.0000	3.36403	-12.64750	4.64750
MPH_CALC	Equal variances assumed	.809	5	.455	2.4167	2.98585	-5.25870	10.09203
PAS_CALC	Equal variances assumed	-.157	5	.881	-.0833	.53098	-1.44827	1.28161

a RN = 0097

RN = 0098

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	84.6667	3.92003	1.60035
	A.Panunn	1	82.0000	.	.
SNB_CALC	undergrad	4	82.6250	1.70171	.85086
	A.Panunn	1	79.0000	.	.
SGB_CALC	undergrad	4	12.2500	4.73462	2.36731
	A.Panunn	1	11.5000	.	.
UPH_CALC	undergrad	4	8.5000	1.29099	.64550
	A.Panunn	1	7.5000	.	.
ATA_CALC	undergrad	4	34.5000	5.50757	2.75379
	A.Panunn	1	29.0000	.	.
UTP_CALC	undergrad	6	37.7500	3.51781	1.43614
	A.Panunn	1	39.5000	.	.
TBP_CALC	undergrad	4	46.2500	6.03462	3.01731
	A.Panunn	1	50.5000	.	.
MPH_CALC	undergrad	4	9.0000	2.16025	1.08012
	A.Panunn	1	12.5000	.	.
PAS_CALC	undergrad	4	8.1250	1.65202	.82601
	A.Panunn	1	7.0000	.	.

a RN = 0098

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.630	5	.556	2.6667	4.23412	-8.21749	13.55082
SNB_CALC	Equal variances assumed	1.905	3	.153	3.6250	1.90258	-2.42984	9.67984
SGB_CALC	Equal variances assumed	.142	3	.896	.7500	5.29347	-16.09619	17.59619
UPH_CALC	Equal variances assumed	.693	3	.538	1.0000	1.44338	-3.59347	5.59347
ATA_CALC	Equal variances assumed	.893	3	.438	5.5000	6.15765	-14.09639	25.09639
UTP_CALC	Equal variances assumed	-.461	5	.664	-1.7500	3.79967	-11.51737	8.01737
TBP_CALC	Equal variances assumed	-.630	3	.573	-4.2500	6.74691	-25.72169	17.22169
MPH_CALC	Equal variances assumed	-1.449	3	.243	-3.5000	2.41523	-11.18634	4.18634
PAS_CALC	Equal variances assumed	.609	3	.585	1.1250	1.84701	-4.75302	7.00302

a RN = 0098

RN = 0099

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	90.8333	4.58984	1.87380
	A.Panunn	1	88.5000	.	.
SNB_CALC	undergrad	3	87.0000	3.96863	2.29129
	A.Panunn	1	84.0000	.	.
SGB_CALC	undergrad	3	7.5000	2.29129	1.32288
	A.Panunn	1	12.0000	.	.
UPH_CALC	undergrad	3	24.8333	20.07694	11.59142
	A.Panunn	1	8.5000	.	.
ATA_CALC	undergrad	3	41.8333	2.25462	1.30171
	A.Panunn	1	35.5000	.	.
UTP_CALC	undergrad	6	37.4167	14.92118	6.09155
	A.Panunn	1	47.5000	.	.
TBP_CALC	undergrad	3	56.3333	1.25831	.72648
	A.Panunn	1	52.0000	.	.
MPH_CALC	undergrad	3	26.5000	3.90512	2.25462
	A.Panunn	1	30.5000	.	.
PAS_CALC	undergrad	3	12.0000	2.17945	1.25831
	A.Panunn	1	10.5000	.	.

a RN = 0099

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.471	5	.658	2.3333	4.95760	-10.41058	15.07724
SNB_CALC	Equal variances assumed	.655	2	.580	3.0000	4.58258	-16.71723	22.71723
SGB_CALC	Equal variances assumed	-1.701	2	.231	-4.5000	2.64575	-15.88375	6.88375
UPH_CALC	Equal variances assumed	.705	2	.554	16.3333	23.18285	-83.41441	116.0810
ATA_CALC	Equal variances assumed	2.433	2	.135	6.3333	2.60342	-4.86826	17.53493
UTP_CALC	Equal variances assumed	-.626	5	.559	-10.0833	16.11672	-51.51268	31.34601
TBP_CALC	Equal variances assumed	2.982	2	.096	4.3333	1.45297	-1.91828	10.58494
MPH_CALC	Equal variances assumed	-.887	2	.469	-4.0000	4.50925	-23.40174	15.40174
PAS_CALC	Equal variances assumed	.596	2	.612	1.5000	2.51661	-9.32811	12.32811

a RN = 0099

RN = 0100

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	84.6667	7.85281	3.20590
	A.Panunn	1	83.0000	.	.
SNB_CALC	undergrad	6	86.0833	2.88819	1.17910
	A.Panunn	1	83.5000	.	.
SGB_CALC	undergrad	6	12.3333	3.37145	1.37639
	A.Panunn	1	16.0000	.	.
UPH_CALC	undergrad	6	14.0833	13.81816	5.64124
	A.Panunn	1	5.0000	.	.
ATA_CALC	undergrad	6	34.0000	2.70185	1.10303
	A.Panunn	1	32.5000	.	.
UTP_CALC	undergrad	6	31.5833	13.54037	5.52783
	A.Panunn	1	38.0000	.	.
TBP_CALC	undergrad	6	46.9167	4.01767	1.64021
	A.Panunn	1	46.5000	.	.
MPH_CALC	undergrad	6	9.8333	3.65605	1.49257
	A.Panunn	1	14.0000	.	.
PAS_CALC	undergrad	6	8.5833	3.98016	1.62489
	A.Panunn	1	7.0000	.	.

a RN = 0100

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.196	5	.852	1.6667	8.48201	-20.13703	23.47036
SNB_CALC	Equal variances assumed	.828	5	.445	2.5833	3.11961	-5.43587	10.60254
SGB_CALC	Equal variances assumed	-1.007	5	.360	-3.6667	3.64158	-13.02765	5.69431
UPH_CALC	Equal variances assumed	.609	5	.569	9.0833	14.92532	-29.28343	47.45010
ATA_CALC	Equal variances assumed	.514	5	.629	1.5000	2.91833	-6.00181	9.00181
UTP_CALC	Equal variances assumed	-.439	5	.679	-6.4167	14.62527	-44.01213	31.17879
TBP_CALC	Equal variances assumed	.096	5	.927	.4167	4.33958	-10.73858	11.57191
MPH_CALC	Equal variances assumed	-1.055	5	.340	-4.1667	3.94898	-14.31784	5.98451
PAS_CALC	Equal variances assumed	.368	5	.728	1.5833	4.29906	-9.46776	12.63443

a RN = 0100

RN = 0101

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	85.2500	3.95917	1.61632
	A.Panunn	1	81.5000	.	.
SNB_CALC	undergrad	6	82.8333	2.31661	.94575
	A.Panunn	1	79.5000	.	.
SGB_CALC	undergrad	6	16.0833	3.38255	1.38092
	A.Panunn	1	18.5000	.	.
UPH_CALC	undergrad	6	12.0000	11.28273	4.60616
	A.Panunn	1	8.0000	.	.
ATA_CALC	undergrad	6	31.5833	3.92959	1.60425
	A.Panunn	1	28.0000	.	.
UTP_CALC	undergrad	6	32.3333	12.03190	4.91200
	A.Panunn	1	35.0000	.	.
TBP_CALC	undergrad	6	43.5000	5.50454	2.24722
	A.Panunn	1	40.5000	.	.
MPH_CALC	undergrad	6	14.3333	4.84424	1.97765
	A.Panunn	1	17.0000	.	.
PAS_CALC	undergrad	6	12.1667	1.16905	.47726
	A.Panunn	1	11.5000	.	.

a RN = 0101

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.877	5	.421	3.7500	4.27639	-7.24281	14.74281
SNB_CALC	Equal variances assumed	1.332	5	.240	3.3333	2.50222	-3.09883	9.76550
SGB_CALC	Equal variances assumed	-.661	5	.538	-2.4167	3.65358	-11.80848	6.97515
UPH_CALC	Equal variances assumed	.328	5	.756	4.0000	12.18674	-27.32702	35.32702
ATA_CALC	Equal variances assumed	.844	5	.437	3.5833	4.24444	-7.32735	14.49402
UTP_CALC	Equal variances assumed	-.205	5	.846	-2.6667	12.99594	-36.07379	30.74046
TBP_CALC	Equal variances assumed	.505	5	.635	3.0000	5.94559	-12.28362	18.28362
MPH_CALC	Equal variances assumed	-.510	5	.632	-2.6667	5.23238	-16.11692	10.78359
PAS_CALC	Equal variances assumed	.528	5	.620	.6667	1.26271	-2.57924	3.91257

a RN = 0101

RN = 0102

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	87.5000	3.03315	1.23828
	A.Panunn	1	90.0000	.	.
SNB_CALC	undergrad	6	87.0833	1.88193	.76830
	A.Panunn	1	88.0000	.	.
SGB_CALC	undergrad	6	10.3333	2.18327	.89132
	A.Panunn	1	11.5000	.	.
UPH_CALC	undergrad	6	16.6667	11.04385	4.50863
	A.Panunn	1	10.5000	.	.
ATA_CALC	undergrad	6	33.0000	1.41421	.57735
	A.Panunn	1	30.5000	.	.
UTP_CALC	undergrad	6	32.1667	9.93311	4.05518
	A.Panunn	1	37.0000	.	.
TBP_CALC	undergrad	6	44.0833	2.90545	1.18615
	A.Panunn	1	42.0000	.	.
MPH_CALC	undergrad	6	10.7500	4.84510	1.97800
	A.Panunn	1	14.5000	.	.
PAS_CALC	undergrad	6	11.2500	.61237	.25000
	A.Panunn	1	10.5000	.	.

a RN = 0102

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.763	5	.480	-2.5000	3.27618	-10.92168	5.92168
SNB_CALC	Equal variances assumed	-.451	5	.671	-.9167	2.03272	-6.14194	4.30860
SGB_CALC	Equal variances assumed	-.495	5	.642	-1.1667	2.35820	-7.22861	4.89528
UPH_CALC	Equal variances assumed	.517	5	.627	6.1667	11.92872	-24.49709	36.83043
ATA_CALC	Equal variances assumed	1.637	5	.163	2.5000	1.52753	-1.42663	6.42663
UTP_CALC	Equal variances assumed	-.450	5	.671	-4.8333	10.72898	-32.41307	22.74640
TBP_CALC	Equal variances assumed	.664	5	.536	2.0833	3.13825	-5.98379	10.15046
MPH_CALC	Equal variances assumed	-.717	5	.506	-3.7500	5.23331	-17.20264	9.70264
PAS_CALC	Equal variances assumed	1.134	5	.308	.7500	.66144	-.95028	2.45028

a RN = 0102

RN = 0103

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	87.5000	2.25832	.92195
	A.Panunn	1	86.0000	.	.
SNB_CALC	undergrad	6	82.3333	4.14327	1.69148
	A.Panunn	1	81.0000	.	.
SGB_CALC	undergrad	6	21.5833	3.30782	1.35041
	A.Panunn	1	22.5000	.	.
UPH_CALC	undergrad	6	16.5833	10.76762	4.39586
	A.Panunn	1	11.5000	.	.
ATA_CALC	undergrad	6	38.6667	1.83485	.74907
	A.Panunn	1	32.5000	.	.
UTP_CALC	undergrad	6	34.5833	11.30671	4.61594
	A.Panunn	1	39.5000	.	.
TBP_CALC	undergrad	6	46.8333	3.18852	1.30171
	A.Panunn	1	47.0000	.	.
MPH_CALC	undergrad	6	17.8333	1.96638	.80277
	A.Panunn	1	20.0000	.	.
PAS_CALC	undergrad	6	12.7500	.88034	.35940
	A.Panunn	1	11.5000	.	.

a RN = 0103

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.615	5	.565	1.5000	2.43926	-4.77032	7.77032
SNB_CALC	Equal variances assumed	.298	5	.778	1.3333	4.47524	-10.17064	12.83731
SGB_CALC	Equal variances assumed	-.257	5	.808	-.9167	3.57285	-10.10098	8.26764
UPH_CALC	Equal variances assumed	.437	5	.680	5.0833	11.63036	-24.81346	34.98013
ATA_CALC	Equal variances assumed	3.112	5	.027	6.1667	1.98186	1.07213	11.26121
UTP_CALC	Equal variances assumed	-.403	5	.704	-4.9167	12.21264	-36.31026	26.47693
TBP_CALC	Equal variances assumed	-.048	5	.963	-.1667	3.44400	-9.01974	8.68641
MPH_CALC	Equal variances assumed	-1.020	5	.354	-2.1667	2.12394	-7.62642	3.29309
PAS_CALC	Equal variances assumed	1.315	5	.246	1.2500	.95088	-1.19431	3.69431

a RN = 0103

RN = 0104

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	91.5833	6.57584	2.68458
	A.Panunn	1	85.5000	.	.
SNB_CALC	undergrad	5	90.6000	4.57439	2.04573
	A.Panunn	1	82.5000	.	.
SGB_CALC	undergrad	5	7.0000	1.22474	.54772
	A.Panunn	1	13.5000	.	.
UPH_CALC	undergrad	5	16.3000	10.63367	4.75552
	A.Panunn	1	11.5000	.	.
ATA_CALC	undergrad	5	33.5000	3.82426	1.71026
	A.Panunn	1	30.0000	.	.
UTP_CALC	undergrad	6	32.0833	9.84082	4.01750
	A.Panunn	1	36.5000	.	.
TBP_CALC	undergrad	5	44.9000	2.04328	.91378
	A.Panunn	1	45.0000	.	.
MPH_CALC	undergrad	5	16.1000	5.41295	2.42074
	A.Panunn	1	18.5000	.	.
PAS_CALC	undergrad	5	12.7000	4.65833	2.08327
	A.Panunn	1	11.0000	.	.

a RN = 0104

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.856	5	.431	6.0833	7.10272	-12.17479	24.34145
SNB_CALC	Equal variances assumed	1.616	4	.181	8.1000	5.01099	-5.81273	22.01273
SGB_CALC	Equal variances assumed	-4.845	4	.008	-6.5000	1.34164	-10.22499	-2.77501
UPH_CALC	Equal variances assumed	.412	4	.701	4.8000	11.64861	-27.54171	37.14171
ATA_CALC	Equal variances assumed	.835	4	.450	3.5000	4.18927	-8.13128	15.13128
UTP_CALC	Equal variances assumed	-.416	5	.695	-4.4167	10.62930	-31.74014	22.90681
TBP_CALC	Equal variances assumed	-.045	4	.967	-.1000	2.23830	-6.31453	6.11453
MPH_CALC	Equal variances assumed	-.405	4	.706	-2.4000	5.92959	-18.86317	14.06317
PAS_CALC	Equal variances assumed	.333	4	.756	1.7000	5.10294	-12.46803	15.86803

a RN = 0104

RN = 0105

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	84.9167	8.83978	3.60882
	A.Panunn	1	79.5000	.	.
SNB_CALC	undergrad	6	81.5833	5.11289	2.08733
	A.Panunn	1	75.5000	.	.
SGB_CALC	undergrad	6	7.3333	3.25064	1.32707
	A.Panunn	1	10.5000	.	.
UPH_CALC	undergrad	6	8.9167	1.74404	.71200
	A.Panunn	1	7.0000	.	.
ATA_CALC	undergrad	6	32.5833	4.34070	1.77208
	A.Panunn	1	32.0000	.	.
UTP_CALC	undergrad	6	46.2500	5.10637	2.08467
	A.Panunn	1	49.5000	.	.
TBP_CALC	undergrad	6	58.6667	3.12517	1.27584
	A.Panunn	1	61.0000	.	.
MPH_CALC	undergrad	6	10.0000	2.28035	.93095
	A.Panunn	1	13.0000	.	.
PAS_CALC	undergrad	6	9.1667	1.50555	.61464
	A.Panunn	1	8.5000	.	.

a RN = 0105

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.567	5	.595	5.4167	9.54805	-19.12738	29.96071
SNB_CALC	Equal variances assumed	1.102	5	.321	6.0833	5.52255	-8.11285	20.27951
SGB_CALC	Equal variances assumed	-.902	5	.408	-3.1667	3.51109	-12.19222	5.85889
UPH_CALC	Equal variances assumed	1.017	5	.356	1.9167	1.88378	-2.92573	6.75907
ATA_CALC	Equal variances assumed	.124	5	.906	.5833	4.68849	-11.46882	12.63548
UTP_CALC	Equal variances assumed	-.589	5	.581	-3.2500	5.51551	-17.42807	10.92807
TBP_CALC	Equal variances assumed	-.691	5	.520	-2.3333	3.37557	-11.01050	6.34383
MPH_CALC	Equal variances assumed	-1.218	5	.278	-3.0000	2.46306	-9.33150	3.33150
PAS_CALC	Equal variances assumed	.410	5	.699	.6667	1.62617	-3.51355	4.84688

a RN = 0105

RN = 0106

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	83.8333	2.08966	.85310
	A.Panunn	1	80.0000	.	.
SNB_CALC	undergrad	6	81.7500	3.64349	1.48745
	A.Panunn	1	79.5000	.	.
SGB_CALC	undergrad	6	13.6667	3.40098	1.38844
	A.Panunn	1	13.0000	.	.
UPH_CALC	undergrad	6	9.1667	2.18327	.89132
	A.Panunn	1	5.5000	.	.
ATA_CALC	undergrad	6	32.3333	1.66333	.67905
	A.Panunn	1	27.0000	.	.
UTP_CALC	undergrad	6	39.5833	1.98536	.81052
	A.Panunn	1	42.0000	.	.
TBP_CALC	undergrad	6	42.9167	1.49722	.61124
	A.Panunn	1	46.0000	.	.
MPH_CALC	undergrad	6	14.3333	3.18852	1.30171
	A.Panunn	1	15.0000	.	.
PAS_CALC	undergrad	6	11.3333	1.57056	.64118
	A.Panunn	1	7.5000	.	.

a RN = 0106

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	1.698	5	.150	3.8333	2.25709	-1.96870	9.63536
SNB_CALC	Equal variances assumed	.572	5	.592	2.2500	3.93542	-7.86631	12.36631
SGB_CALC	Equal variances assumed	.181	5	.863	.6667	3.67348	-8.77631	10.10964
UPH_CALC	Equal variances assumed	1.555	5	.181	3.6667	2.35820	-2.39528	9.72861
ATA_CALC	Equal variances assumed	2.969	5	.031	5.3333	1.79660	.71502	9.95165
UTP_CALC	Equal variances assumed	-1.127	5	.311	-2.4167	2.14444	-7.92912	3.09578
TBP_CALC	Equal variances assumed	-1.907	5	.115	-3.0833	1.61718	-7.24043	1.07377
MPH_CALC	Equal variances assumed	-.194	5	.854	-.6667	3.44400	-9.51974	8.18641
PAS_CALC	Equal variances assumed	2.260	5	.073	3.8333	1.69640	-.52741	8.19407

a RN = 0106

RN = 0107

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	83.3333	6.56252	2.67914
	A.Panunn	1	82.0000	.	.
UTP_CALC	undergrad	5	44.6000	5.54977	2.48193
	A.Panunn	1	47.5000	.	.

a RN = 0107

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.188	5	.858	1.3333	7.08833	-16.88780	19.55447
UTP_CALC	Equal variances assumed	-.477	4	.658	-2.9000	6.07947	-19.77932	13.97932

RN = 0108

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	84.5000	3.20936	1.31022
	A.Panunn	1	84.5000	.	.
SNB_CALC	undergrad	6	82.2500	1.72482	.70415
	A.Panunn	1	81.0000	.	.
SGB_CALC	undergrad	6	15.2500	3.98434	1.62660
	A.Panunn	1	17.5000	.	.
UPH_CALC	undergrad	6	11.9167	3.26216	1.33177
	A.Panunn	1	10.0000	.	.
ATA_CALC	undergrad	6	38.1667	1.60208	.65405
	A.Panunn	1	35.0000	.	.
UTP_CALC	undergrad	6	41.8333	2.40139	.98036
	A.Panunn	1	41.5000	.	.
TBP_CALC	undergrad	6	45.1667	1.83485	.74907
	A.Panunn	1	47.0000	.	.
MPH_CALC	undergrad	6	18.6667	2.85774	1.16667
	A.Panunn	1	20.0000	.	.
PAS_CALC	undergrad	6	14.5833	1.68572	.68819
	A.Panunn	1	15.0000	.	.

a RN = 0108

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.000	5	1.000	.0000	3.46651	-8.91094	8.91094
SNB_CALC	Equal variances assumed	.671	5	.532	1.2500	1.86302	-3.53904	6.03904
SGB_CALC	Equal variances assumed	-.523	5	.623	-2.2500	4.30358	-13.31271	8.81271
UPH_CALC	Equal variances assumed	.544	5	.610	1.9167	3.52353	-7.14086	10.97419
ATA_CALC	Equal variances assumed	1.830	5	.127	3.1667	1.73045	-1.28159	7.61492
UTP_CALC	Equal variances assumed	.129	5	.903	.3333	2.59380	-6.33423	7.00090
TBP_CALC	Equal variances assumed	-.925	5	.397	-1.8333	1.98186	-6.92787	3.26121
MPH_CALC	Equal variances assumed	-.432	5	.684	-1.3333	3.08671	-9.26797	6.60131
PAS_CALC	Equal variances assumed	-.229	5	.828	-.4167	1.82079	-5.09716	4.26382

a RN = 0108

RN = 0109

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	88.5000	2.66458	1.08781
	A.Panunn	1	88.5000	.	.
SNB_CALC	undergrad	6	88.4167	2.20038	.89830
	A.Panunn	1	87.5000	.	.
SGB_CALC	undergrad	6	14.4167	.66458	.27131
	A.Panunn	1	17.0000	.	.
UPH_CALC	undergrad	6	15.4167	1.62532	.66353
	A.Panunn	1	15.0000	.	.
ATA_CALC	undergrad	6	34.2500	2.29674	.93764
	A.Panunn	1	31.0000	.	.
UTP_CALC	undergrad	6	42.9167	1.90832	.77907
	A.Panunn	1	44.0000	.	.
TBP_CALC	undergrad	6	45.2500	13.06809	5.33503
	A.Panunn	1	49.5000	.	.
MPH_CALC	undergrad	6	16.9167	5.79152	2.36438
	A.Panunn	1	19.0000	.	.
PAS_CALC	undergrad	6	19.0833	1.62532	.66353
	A.Panunn	1	18.5000	.	.

a RN = 0109

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.000	5	1.000	.0000	2.87808	-7.39834	7.39834
SNB_CALC	Equal variances assumed	.386	5	.716	.9167	2.37668	-5.19279	7.02612
SGB_CALC	Equal variances assumed	-3.599	5	.016	-2.5833	.71783	-4.42857	-.73810
UPH_CALC	Equal variances assumed	.237	5	.822	.4167	1.75555	-4.09611	4.92944
ATA_CALC	Equal variances assumed	1.310	5	.247	3.2500	2.48076	-3.12699	9.62699
UTP_CALC	Equal variances assumed	-.526	5	.622	-1.0833	2.06122	-6.38186	4.21519
TBP_CALC	Equal variances assumed	-.301	5	.775	-4.2500	14.11515	-40.53415	32.03415
MPH_CALC	Equal variances assumed	-.333	5	.753	-2.0833	6.25555	-18.16374	13.99708
PAS_CALC	Equal variances assumed	.332	5	.753	.5833	1.75555	-3.92944	5.09611

a RN = 0109

RN = 0110

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	86.6667	2.99444	1.22247
	A.Panunn	1	84.0000	.	.
SNB_CALC	undergrad	6	82.9167	2.67239	1.09100
	A.Panunn	1	79.0000	.	.
SGB_CALC	undergrad	6	9.2500	2.82400	1.15289
	A.Panunn	1	14.5000	.	.
UPH_CALC	undergrad	6	12.9167	2.01039	.82074
	A.Panunn	1	12.0000	.	.
ATA_CALC	undergrad	6	34.0833	4.45440	1.81850
	A.Panunn	1	30.5000	.	.
UTP_CALC	undergrad	6	36.7500	2.20794	.90139
	A.Panunn	1	37.5000	.	.
TBP_CALC	undergrad	6	45.0833	6.53771	2.66901
	A.Panunn	1	45.5000	.	.
MPH_CALC	undergrad	6	15.1667	5.16398	2.10819
	A.Panunn	1	16.5000	.	.
PAS_CALC	undergrad	6	15.8333	1.03280	.42164
	A.Panunn	1	16.5000	.	.

a RN = 0110

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.824	5	.447	2.6667	3.23436	-5.64753	10.98086
SNB_CALC	Equal variances assumed	1.357	5	.233	3.9167	2.88651	-3.50335	11.33668
SGB_CALC	Equal variances assumed	-1.721	5	.146	-5.2500	3.05027	-13.09098	2.59098
UPH_CALC	Equal variances assumed	.422	5	.690	.9167	2.17147	-4.66527	6.49861
ATA_CALC	Equal variances assumed	.745	5	.490	3.5833	4.81130	-8.78451	15.95117
UTP_CALC	Equal variances assumed	-.314	5	.766	-.7500	2.38485	-6.88045	5.38045
TBP_CALC	Equal variances assumed	-.059	5	.955	-.4167	7.06154	-18.56892	17.73559
MPH_CALC	Equal variances assumed	-.239	5	.821	-1.3333	5.57773	-15.67135	13.00469
PAS_CALC	Equal variances assumed	-.598	5	.576	-.6667	1.11555	-3.53427	2.20094

a RN = 0110

RN = 0111

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	79.5833	2.69103	1.09861
	A.Panunn	1	82.0000	.	.
SNB_CALC	undergrad	6	77.5833	1.42887	.58333
	A.Panunn	1	78.5000	.	.
SGB_CALC	undergrad	6	19.0000	1.58114	.64550
	A.Panunn	1	17.5000	.	.
UPH_CALC	undergrad	3	10.0000	.86603	.50000
	A.Panunn	1	9.5000	.	.
ATA_CALC	undergrad	6	38.0000	3.08221	1.25831
	A.Panunn	1	35.0000	.	.
UTP_CALC	undergrad	3	46.1667	1.75594	1.01379
	A.Panunn	1	46.0000	.	.
TBP_CALC	undergrad	6	45.2500	2.29674	.93764
	A.Panunn	1	47.0000	.	.
MPH_CALC	undergrad	6	19.9167	2.88819	1.17910
	A.Panunn	1	22.5000	.	.
PAS_CALC	undergrad	6	10.2500	.52440	.21409
	A.Panunn	1	9.5000	.	.

a RN = 0111

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	-.831	5	.444	-2.4167	2.90665	-9.88845	5.05511
SNB_CALC	Equal variances assumed	-.594	5	.578	-.9167	1.54335	-4.88399	3.05065
SGB_CALC	Equal variances assumed	.878	5	.420	1.5000	1.70783	-2.89010	5.89010
UPH_CALC	Equal variances assumed	.500	2	.667	.5000	1.00000	-3.80265	4.80265
ATA_CALC	Equal variances assumed	.901	5	.409	3.0000	3.32916	-5.55789	11.55789
UTP_CALC	Equal variances assumed	.082	2	.942	.1667	2.02759	-8.55734	8.89067
TBP_CALC	Equal variances assumed	-.705	5	.512	-1.7500	2.48076	-8.12699	4.62699
MPH_CALC	Equal variances assumed	-.828	5	.445	-2.5833	3.11961	-10.60254	5.43587
PAS_CALC	Equal variances assumed	1.324	5	.243	.7500	.56642	-.70603	2.20603

a RN = 0111

RN = 0112

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	86.8333	.87560	.35746
	A.Panunn	1	86.0000	.	.
SNB_CALC	undergrad	6	83.0000	1.00000	.40825
	A.Panunn	1	83.5000	.	.
SGB_CALC	undergrad	6	12.8333	2.06559	.84327
	A.Panunn	1	10.5000	.	.
UPH_CALC	undergrad	6	11.0000	1.67332	.68313
	A.Panunn	1	9.5000	.	.
ATA_CALC	undergrad	6	35.5833	3.29267	1.34423
	A.Panunn	1	31.0000	.	.
UTP_CALC	undergrad	6	39.5000	1.84391	.75277
	A.Panunn	1	38.0000	.	.
TBP_CALC	undergrad	6	46.1667	2.46306	1.00554
	A.Panunn	1	47.0000	.	.
MPH_CALC	undergrad	6	3.9167	1.35708	.55403
	A.Panunn	1	4.0000	.	.
PAS_CALC	undergrad	6	12.5000	.77460	.31623
	A.Panunn	1	12.0000	.	.

a RN = 0112

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.881	5	.419	.8333	.94575	-1.59780	3.26446
SNB_CALC	Equal variances assumed	-.463	5	.663	-.5000	1.08012	-3.27655	2.27655
SGB_CALC	Equal variances assumed	1.046	5	.344	2.3333	2.23109	-3.40187	8.06854
UPH_CALC	Equal variances assumed	.830	5	.444	1.5000	1.80739	-3.14605	6.14605
ATA_CALC	Equal variances assumed	1.289	5	.254	4.5833	3.55649	-4.55891	13.72558
UTP_CALC	Equal variances assumed	.753	5	.485	1.5000	1.99165	-3.61970	6.61970
TBP_CALC	Equal variances assumed	-.313	5	.767	-.8333	2.66041	-7.67213	6.00547
MPH_CALC	Equal variances assumed	-.057	5	.957	-.0833	1.46581	-3.85133	3.68466
PAS_CALC	Equal variances assumed	.598	5	.576	.5000	.83666	-1.65070	2.65070

a RN = 0112

RN = 0113

Group Statistics(a)

	ACCESSOR	N	Mean	Std. Deviation	Std. Error Mean
SNA_CALC	undergrad	6	86.1667	4.00832	1.63639
	A.Panunn	1	84.0000	.	.
SNB_CALC	undergrad	6	84.2500	3.47491	1.41863
	A.Panunn	1	80.5000	.	.
SGB_CALC	undergrad	6	15.4167	4.03010	1.64528
	A.Panunn	1	14.0000	.	.
UPH_CALC	undergrad	6	9.4167	1.11430	.45491
	A.Panunn	1	9.5000	.	.
ATA_CALC	undergrad	6	31.0833	2.15445	.87955
	A.Panunn	1	26.5000	.	.
UTP_CALC	undergrad	6	39.5000	2.72029	1.11056
	A.Panunn	1	38.5000	.	.
TBP_CALC	undergrad	6	44.9167	3.29267	1.34423
	A.Panunn	1	51.5000	.	.
MPH_CALC	undergrad	6	14.9167	1.06849	.43621
	A.Panunn	1	16.0000	.	.
PAS_CALC	undergrad	6	9.9167	1.46344	.59745
	A.Panunn	1	9.0000	.	.

a RN = 0113

Independent Samples Test(a)

		t-test for Equality of Means						
		t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
							Lower	Upper
SNA_CALC	Equal variances assumed	.500	5	.638	2.1667	4.32949	-8.96263	13.29596
SNB_CALC	Equal variances assumed	.999	5	.364	3.7500	3.75333	-5.89825	13.39825
SGB_CALC	Equal variances assumed	.325	5	.758	1.4167	4.35300	-9.77308	12.60641
UPH_CALC	Equal variances assumed	-.069	5	.947	-.0833	1.20358	-3.17724	3.01057
ATA_CALC	Equal variances assumed	1.970	5	.106	4.5833	2.32707	-1.39860	10.56527
UTP_CALC	Equal variances assumed	.340	5	.747	1.0000	2.93825	-6.55302	8.55302
TBP_CALC	Equal variances assumed	-1.851	5	.123	-6.5833	3.55649	-15.72558	2.55891
MPH_CALC	Equal variances assumed	-.939	5	.391	-1.0833	1.15410	-4.05004	1.88337
PAS_CALC	Equal variances assumed	.580	5	.587	.9167	1.58070	-3.14665	4.97998

a RN = 0113

ประวัติผู้เขียนวิทยานิพนธ์

นาย ฉัตรพล แจ่มศิริโรจน์รัตน์ เกิดเมื่อวันที่ 5 พฤษภาคม พ.ศ. 2523 ณ กรุงเทพมหานคร สำเร็จการศึกษาระดับปริญญาตรี จากคณะทันตแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย เมื่อปี พ.ศ. 2546 แล้วเข้ารับราชการในกระทรวงสาธารณสุข ตำแหน่งทันตแพทย์ ปฏิบัติงานที่โรงพยาบาลเขมราฐ จังหวัดอุบลราชธานี เป็นเวลา 2 ปี จากนั้นย้ายมาปฏิบัติราชการที่โรงพยาบาลสามพราน จังหวัดนครปฐม

ปัจจุบันลาศึกษาต่อในหลักสูตรปริญญาวิทยาศาสตรมหาบัณฑิตสาขาวิชาศัลยศาสตร์ช่องปากและแม็กซิลโลเฟเชียล ภาควิชาศัลยศาสตร์ คณะทันตแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย