



CHAPTER 5

MEASUREMENT

Administrative variable: Name.

ID.

address.

Telephone number.

Baseline variable: Maternal age..

Paternal age.

Gravida.

Parity.

Abortion.

Indication.

Fetal biometry by ultrasound measurement.

Amniotic Alpha-fetoprotein by ELISA technique.

Outcome variable: Culture time.

Success rate of culture.

Immediate fetal outcome.

Pregnancy outcome - immediate.

- 20 weeks of gestation. (6-8 weeks)

DEFINITION:

The culture time: was defined as number of whole days from the culture were set up and until the day of the harvesting. The cultures were all set up in the same day of the sampling day.

Culture failure: No growth of cells or insufficient growth for harvesting, unable to perform the chromosome analysis due to no dividing cell in the culture, or less than 10 metaphases were able to be analysed.

DATA COLLECTION:

All the data will be recorded in the data collection form (appendix 1.) using software program Epi Info Version 6. by two persons and recheck for accuracy of the data entry. The data will be analyzed by the same software program.

Data Collection Form.

Name. _____ . Last name. _____ .

Address. _____
_____ .

H.N. _____ .

Phone number. _____ .

Date of Birth (patient) _____ . Age. ___ yrs. ___ months.

Date of birth (Husband) _____ . Age. ___ yrs. ___ months.

Gravida. ___

Parity. ___

Abortion. ___ .

Height. _____ cm.

Weight. _____ KG.

Indication 1. _____ .

2. _____ .

3. _____ .

Amniocentesis:

Date of the procedure. _____ .

Tap traverse the placenta. Yes. ___ . No. ___ .

Amniotic fluid color. Clear Yes. ___ . No. ___ .

Meconium contamination. Yes. ___ No. ___ .

Bloody contaminate. Yes. ___ . No. ___ .

Amount of amniotic fluid removed. _____ cc.

Ultrasound Finding:

BPD. _____ mm.

Head circumference. _____ cm.

Abdominal circumference . _____ cm.

Humerus length. _____ mm.

Femur length. _____ mm.

Foot length. _____ mm.

Pregnancy Outcome:

Post amniocentesis. FHT positive Yes. ____ . No. ____ .

6-8 weeks post amniocentesis.

Vaginal bleeding Yes. ____ . No. ____ .

Amniotic fluid Leaking Yes. ____ . No. ____ .

Fetal Outcome:

Ultrasound measurement.

BPD. _____ mm.

HC. _____ mm.

AC. _____ mm.

HL. _____ mm.

FL. _____ mm.

FOOt. _____ mm.

Intracranial measurement.

D1 _____ mm. (frontal lobe length)

D2. _____ mm. (frontal lobe-cavum septum pellucidum)

- D3. _____ mm. (frontothalamic distance)
D4. _____ mm. (transverse diameter of cerebellum)
D5. _____ mm. (cisterna magna)
D6. _____ mm. (skin nuchal fold)

Laboratory Result:

Amniotic Fluid AFP _____ IU/ml. _____ MoM. _____ Weeks of
gestation.

Result of Karyotyping. _____ .

Culture time. _____ days.

Culture failure. Yes. _____ No. _____ .

STATISTIC ANALYSIS:

The statistic analysis involves comparison of the two studied group (the treatment and control group) to detect the difference in outcome variable.

For the continuous data (culture time):

Calculated for the mean, Standard deviation.

The student t Test will be calculated to detect the difference in outcome measurement between the two studies group if the distribution of the data are normal.

The nonparametric test ,Mann Whitney U Test will be calculated if the data was not in normal distribution.

For the dichotomus data (culture failure):

Calculated for the percentage.

The Z test or fisher Exact test will be calculated to detect the difference in the two studies group.

All the baseline variable data and the outcome variable data will be analysed by soft ware program Epi Info version 6.