

CHAPTER VI

Conclusion

In this study, platelets were used as a model for studying aminergic neurons. The ultrastructural findings of platelets showed morphological abnormalities in serotonergic disorder including migraine, migraine with depression, as well as dopaminergic disorder (Parkinson's disease). Alterations of platelet organelles, in particular dense granules and dilated canaliculi, were noted in these disorders. The results obtained from this study are useful in explaining the physiological responses found in these aminergic disorders such as hypersecretion and hyperaggregation of platelets. This study also provides clues as to the pathophysiology events of the respective disease.

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