This research concerned the neurotoxic effects of dexmedetomidine in fetal cynomolgus monkey brains. In this study, the effects of dexmedetomidine anesthesia was compared to ketamine anesthesia. The in life phase of this important study was conducted at Department of Safety Assessment, Maccine Pte Ltd, Singapore. Improved safety, tolerability and reduction in neocortical apoptosis as per immunohistochemistry was demonstrated by histology and histomorphometric assessment by CBI.


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