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Title: Dexmedetomidine promotes the recovery of neurogenesis in aged mouse with postoperative cognitive dysfunction

Authors: Wen-Xiang Wang, Qiong Wu, Si-Si Liang, Xue-Kang Zhang, Qian Hu, Qiu-Hong Chen, Hai-Jin Huang, Lin Xu, Fo-Quan Lou



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Title: Dexmedetomidine promotes the recovery of neurogenesis in aged mouse with postoperative cognitive dysfunction

Wen-Xiang Wang¹, Qiong Wu², Si-Si Liang², Xue-Kang Zhang³, Qian Hu⁴, Qiu-Hong Chen¹, Hai-Jin Huang³, Lin Xu³, Fo-Quan Lou³

1. Grade 2015 of Medical Department of Graduate School, Nanchang University, Nanchang, Jiangxi 330006, China
2. Grade 2016 of Medical Department of Graduate School, Nanchang University, Nanchang, Jiangxi 330006, China
3. Department of Anesthesiology, First Affiliated Hospital of Nanchang University, Nanchang, Jiangxi 330006, China
4. Grade 2014 of Medical Department of Graduate School, Nanchang University, Nanchang, Jiangxi 330006, China

Highlights:

- Dexmedetomidine prevented postoperative cognitive decline (POCD) following surgery in aged mice with promoted neurogenesis and decreased inflammatory response
- The brain derived growth factor (BDNF), phosphorylated cAMP response element binding protein (CREB) and proteins of kinase A (PKA) and p38-MPAK production could be the crucial factors in this process

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