عنوان فارسی مقاله:
تاثیر سن بر روی مخچه و کاهش فعالیت و عملکردهای رفتاری و شناختی

عنوان انگلیسی مقاله:
Moving forward: Age effects on the cerebellum underlie cognitive and motor declines

توجه!
این فایل تنها قسمتی از ترجمه میباشد. برای تهیه مقاله ترجمه شده کامل با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک کنید.
8. Conclusion

Age differences in overall cerebellar volume, as well as in regional volumes, are the most consistent and well-documented phenomena related to cerebellar aging. In addition, age differences in cerebellar functional activation as well as in resting state functional connectivity have also been reported. Taken together it is clear that the cerebellum is impacted by aging, and given its role in a wide variety of task domains, it is an important area of research for understanding the neural underpinnings of age-related motor and cognitive performance declines. Indeed, both cerebellar morphology and resting state network connectivity have been linked to behavioral performance in older adults. We propose that the functional and morphological age differences in the cerebellum result in degraded internal models, and impede the formation of new internal models contributing, at least in part, to the wide variety of motor and cognitive deficits seen in older adults. Future work investigating the cerebellum, as well as interactions between the cerebellum and the cerebral cortex in older adults is warranted. Such work will provide further new insights into the aging mind and brain, by taking into account the contributions of the cerebellum to a wide variety of behaviors.