Cite this as: Dan ZHU, Gui-you LIU, Zheng LV, Shi-rong WEN, Sheng BI, Wei-zhi WANG, 2014. Inverse associations of outdoor activity and vitamin D intake with the risk of Parkinson's disease. *Journal of Zhejiang University-Science B (Biomedicine & Biotechnology)*, **15**(10):923-927. [doi:10.1631/jzus.B1400005]

Inverse associations of outdoor activity and vitamin D intake with the risk of Parkinson's disease

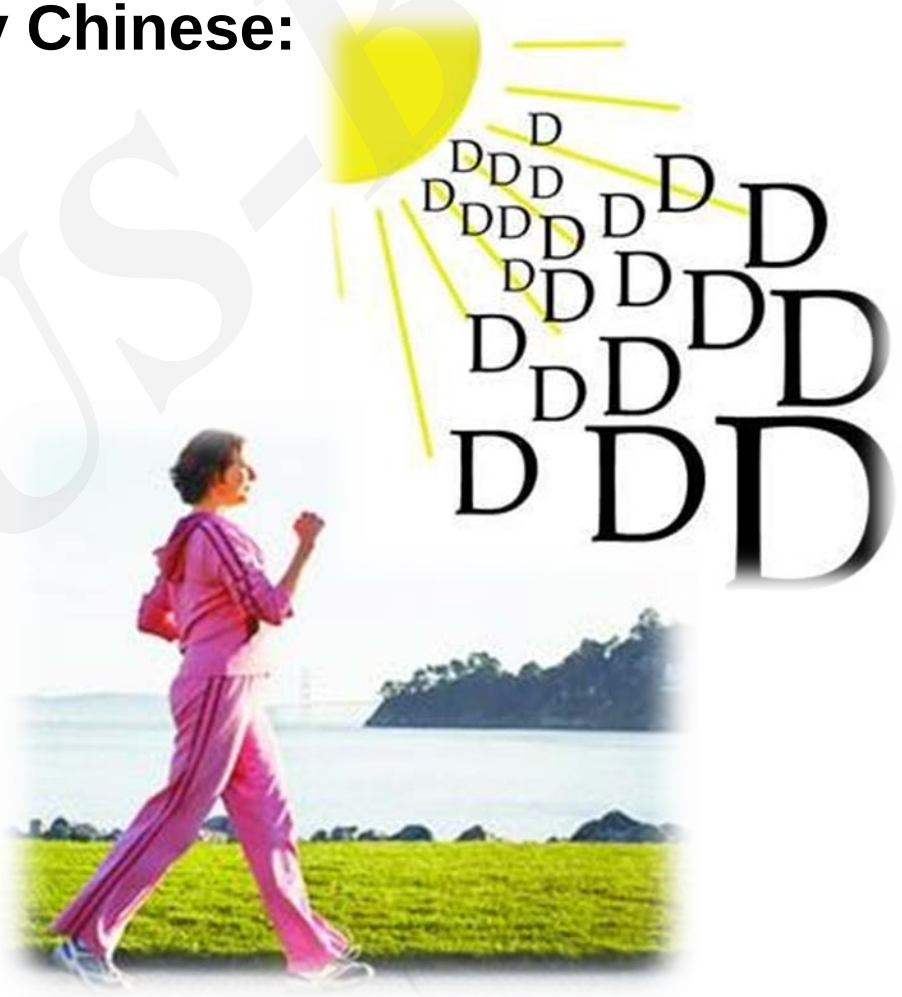
Key words: outdoor activity, vitamin D intake, Parkinson's disease

Research Summary

This study mainly focused on the relationships between outdoor activities, vitamin D intake and the risk of PD from a case-control study in elderly Chinese:

- **Association between outdoor activities, vitamin D intake and PD**

- **Which of the factors is more associated with PD ?**



Innovation points

- **Both outdoor activity and total vitamin D intake were inversely associated with PD.**

- **Outdoor activity seems to be more significantly associated with decreased risk for PD.**

Figure 4

Innovation points

A series of comprehensive tables were generated to summarize associations of outdoor activity and vitamin D intake with the risk for Parkinson's disease in Chinese.

Table 1 | Characteristics of the participants in this study.

Table 2 | Odds ratios (ORs) and 95% confidence intervals (CIs) for Parkinson's disease by quartiles of intake of outdoor activity and vitamin D intake in a same model.

Table 3 | Odds ratios (ORs) and 95% confidence intervals (CIs) for Parkinson's disease by intake of outdoor activity, vitamin D intake, and VD* outdoor activity in a same model..