

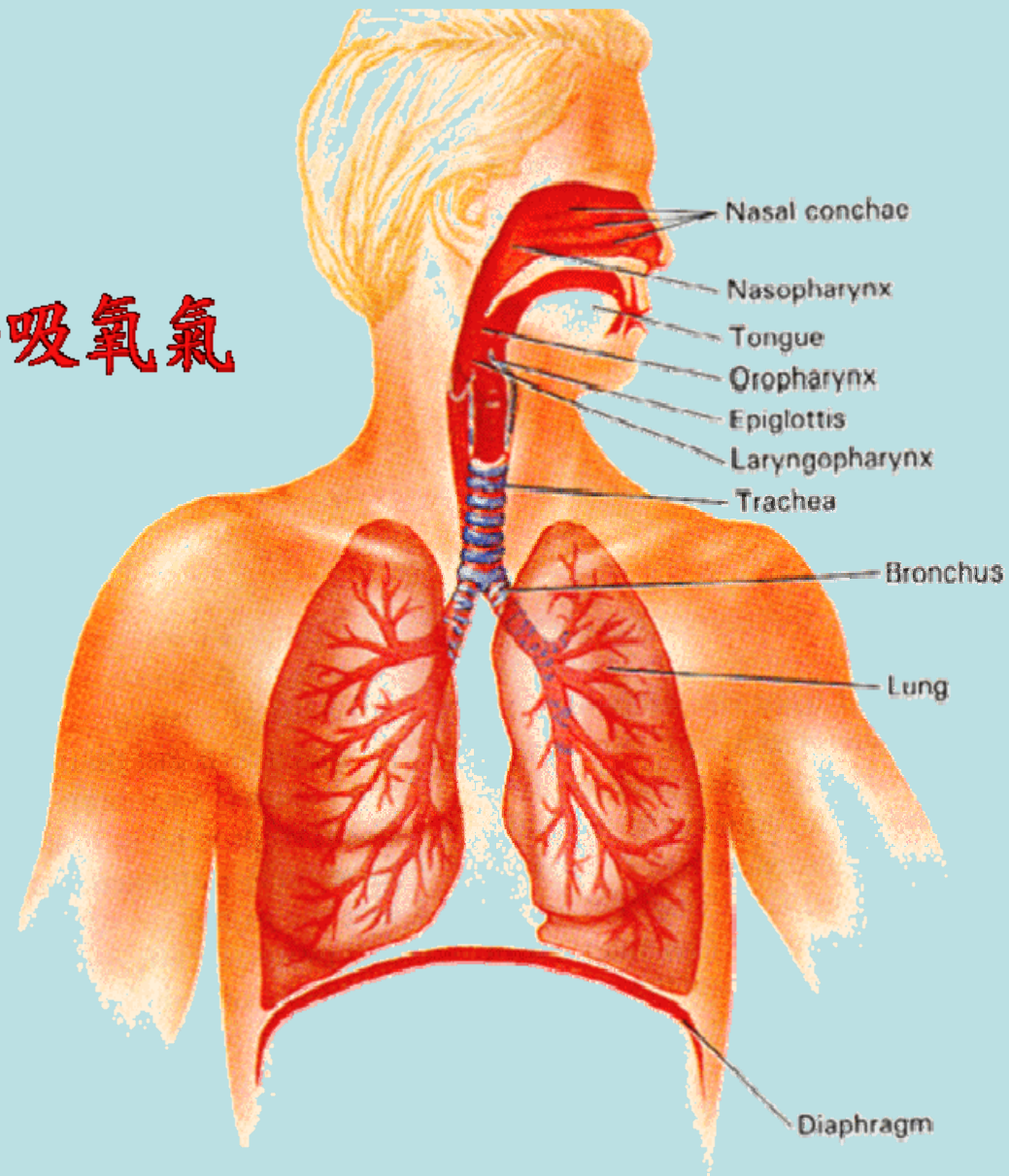
抗衰老、防百病

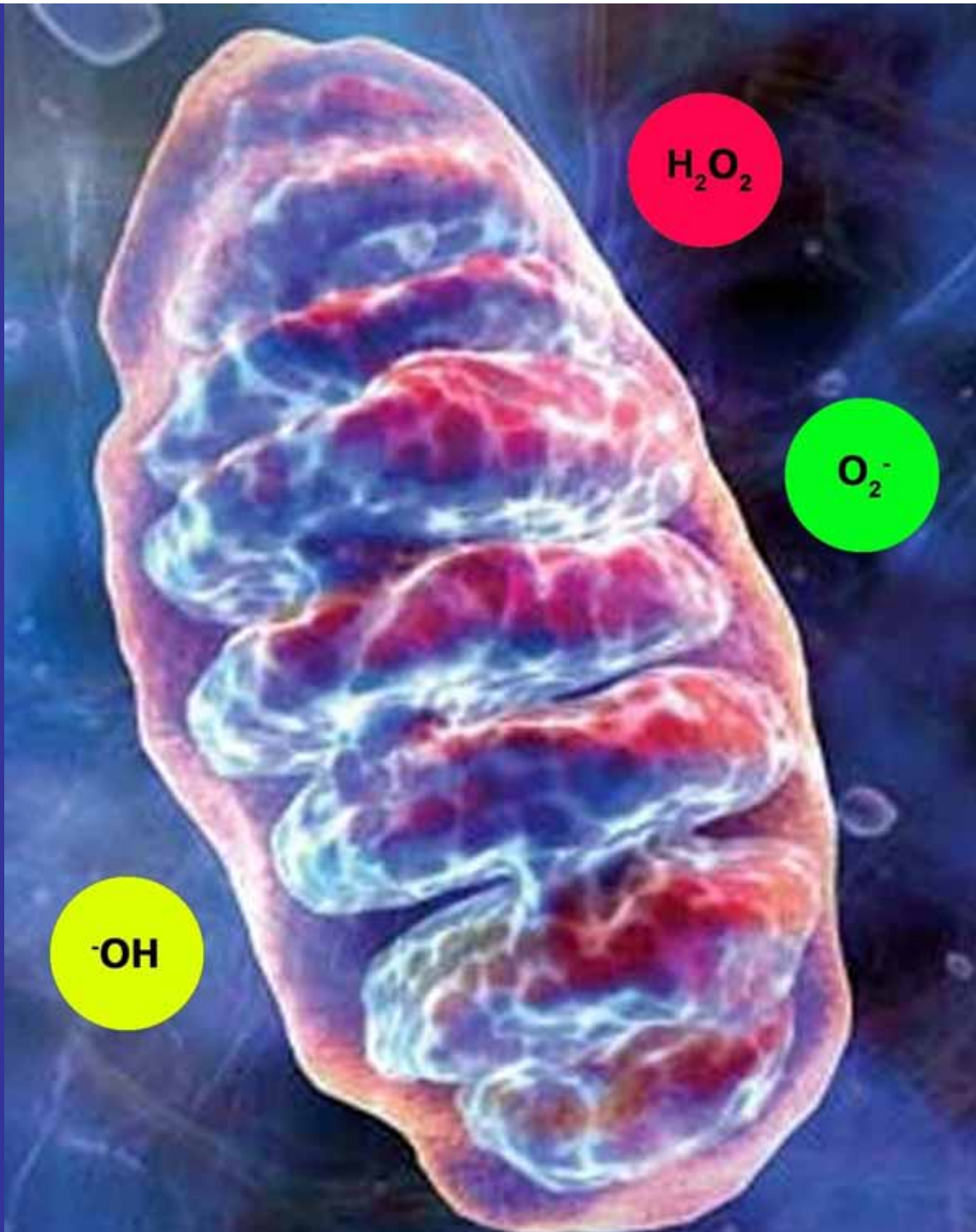
高錦明教授

香港科技大學生物化學系

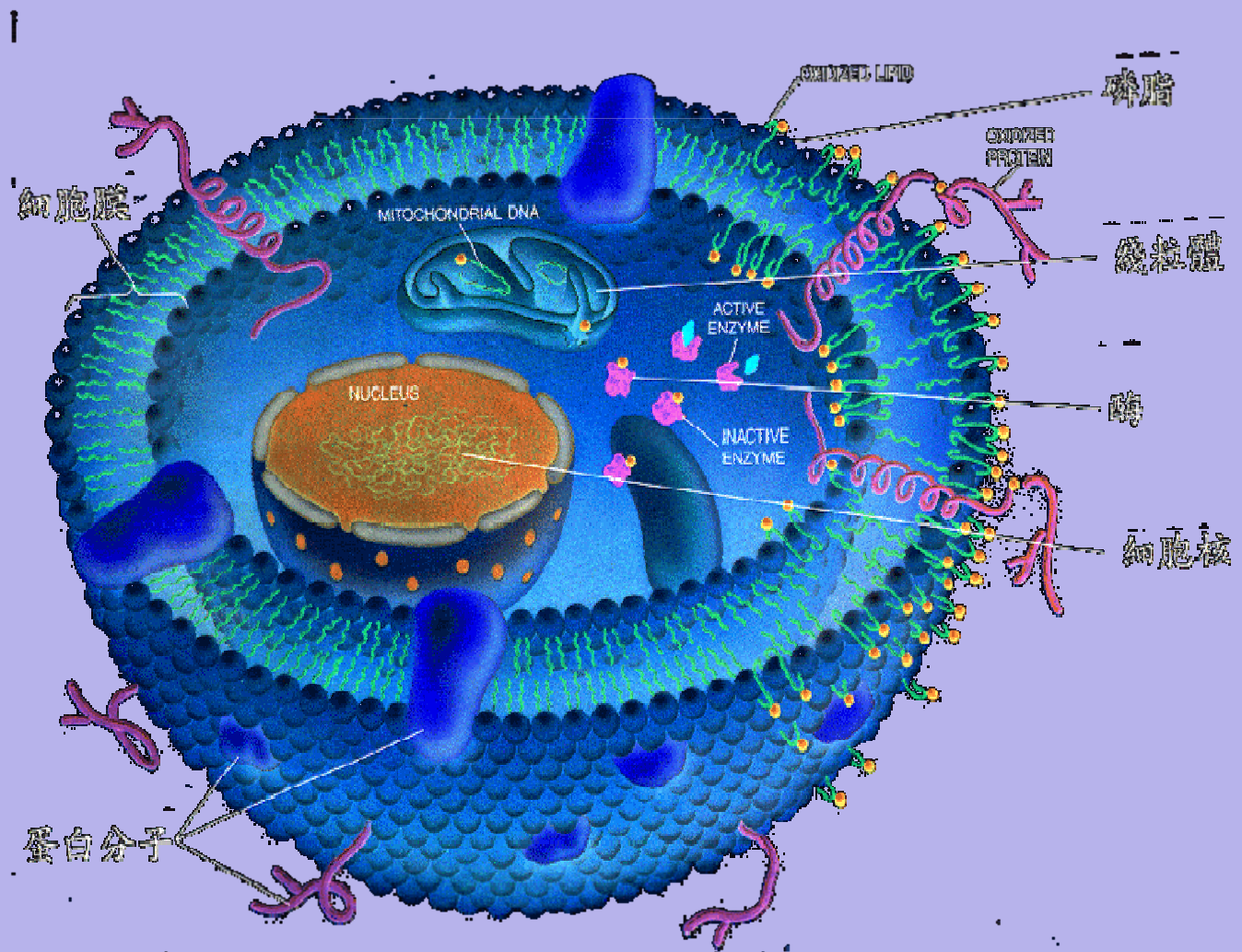


呼吸氧氣





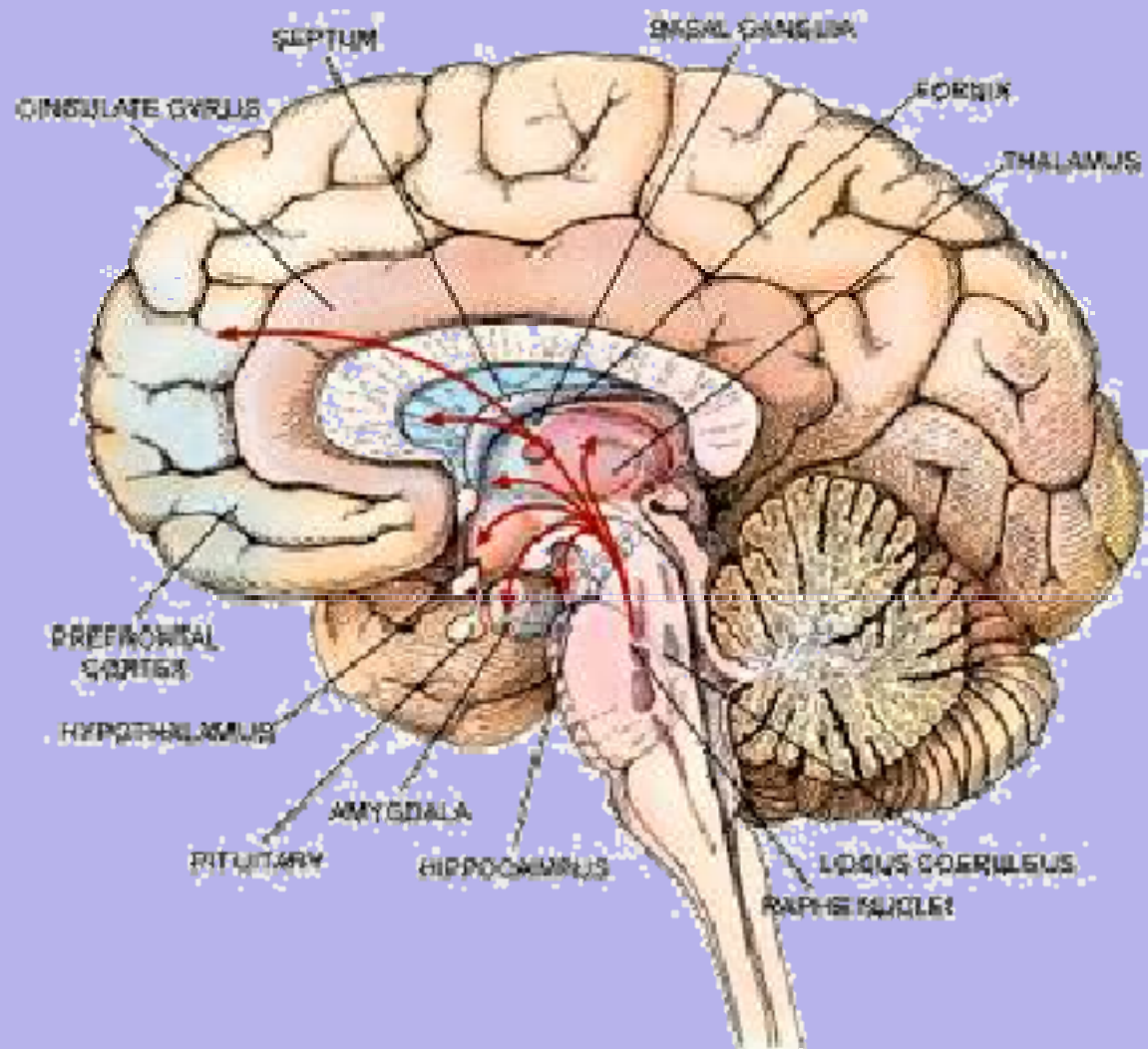
線粒體產生氧自由基



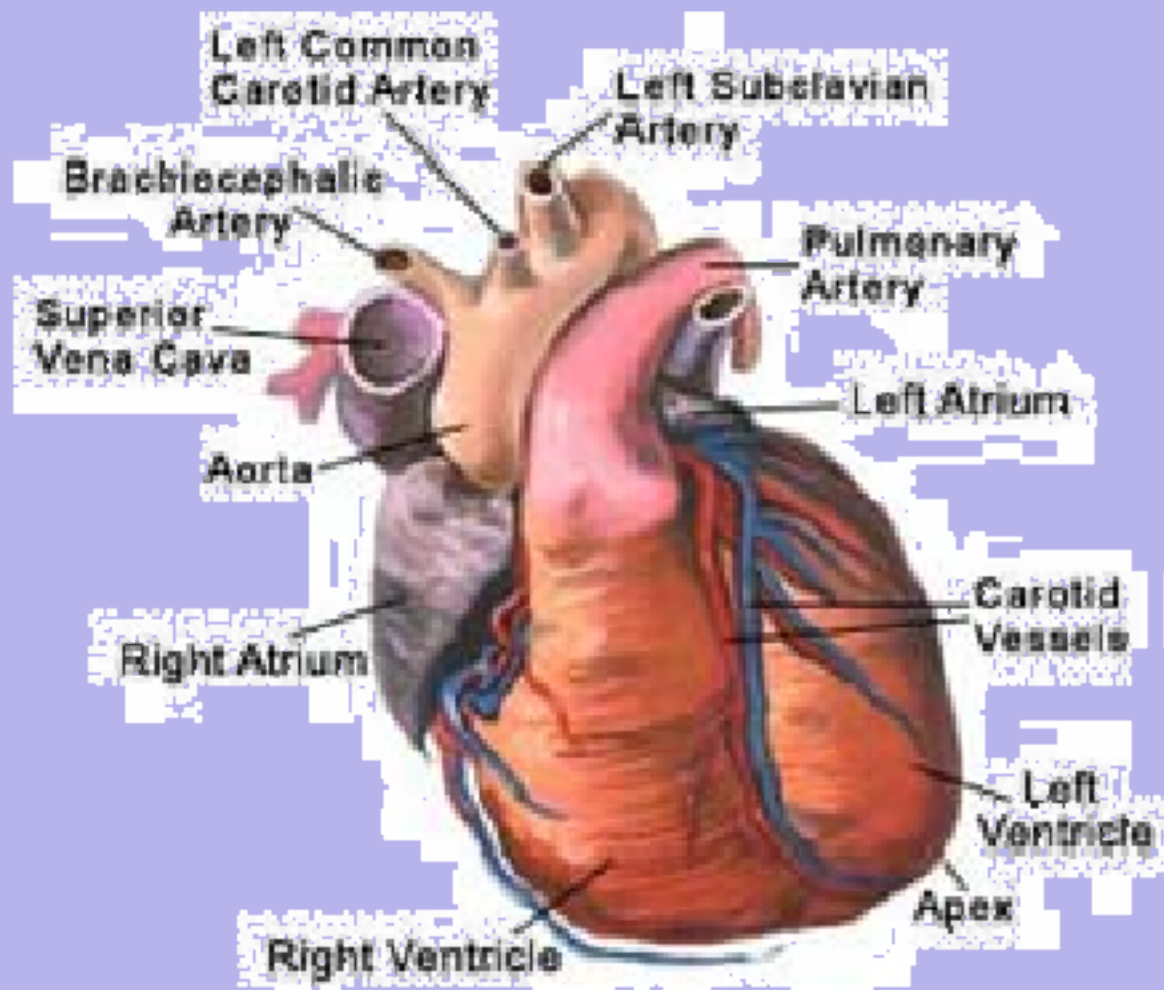
氧自由基引致細胞生銹



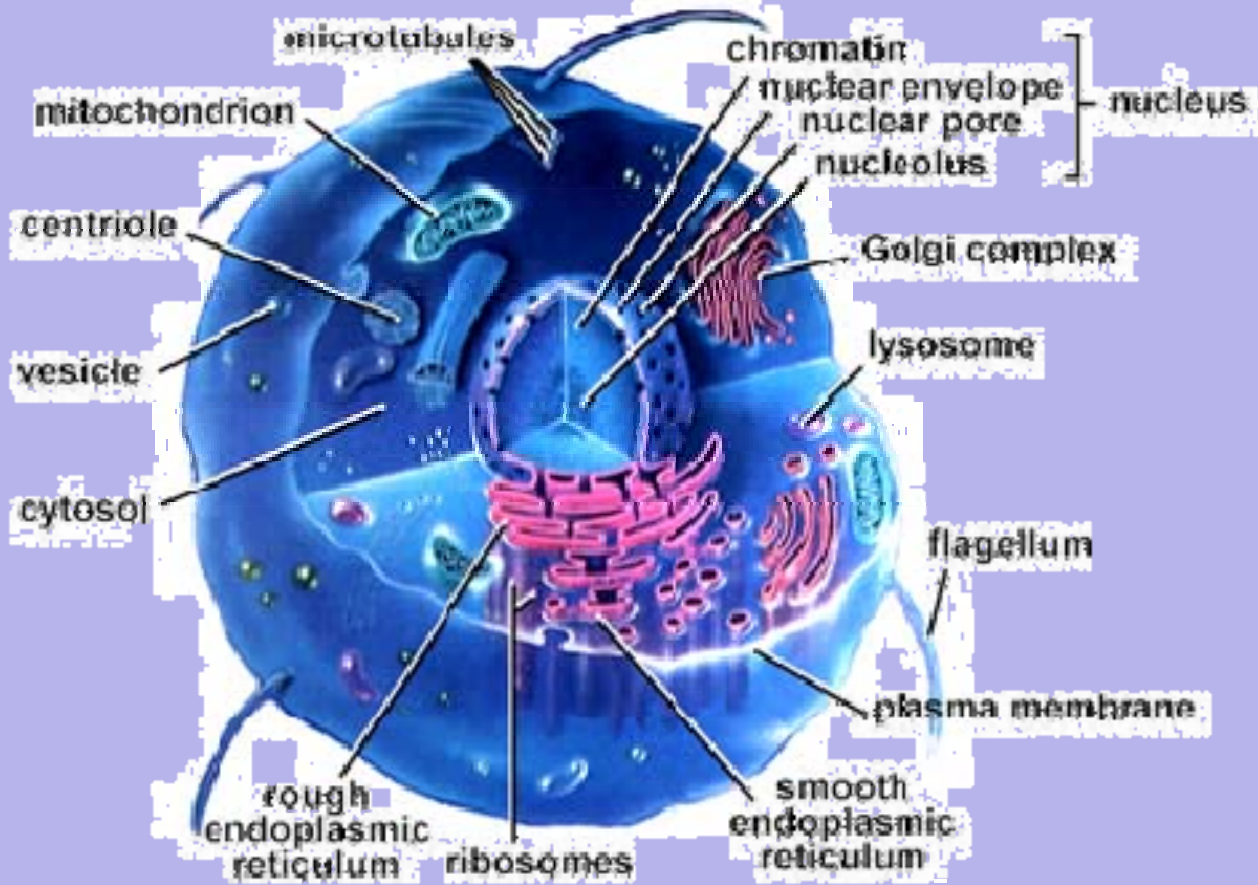
皮膚老化



柏金遜病、老人癡呆症

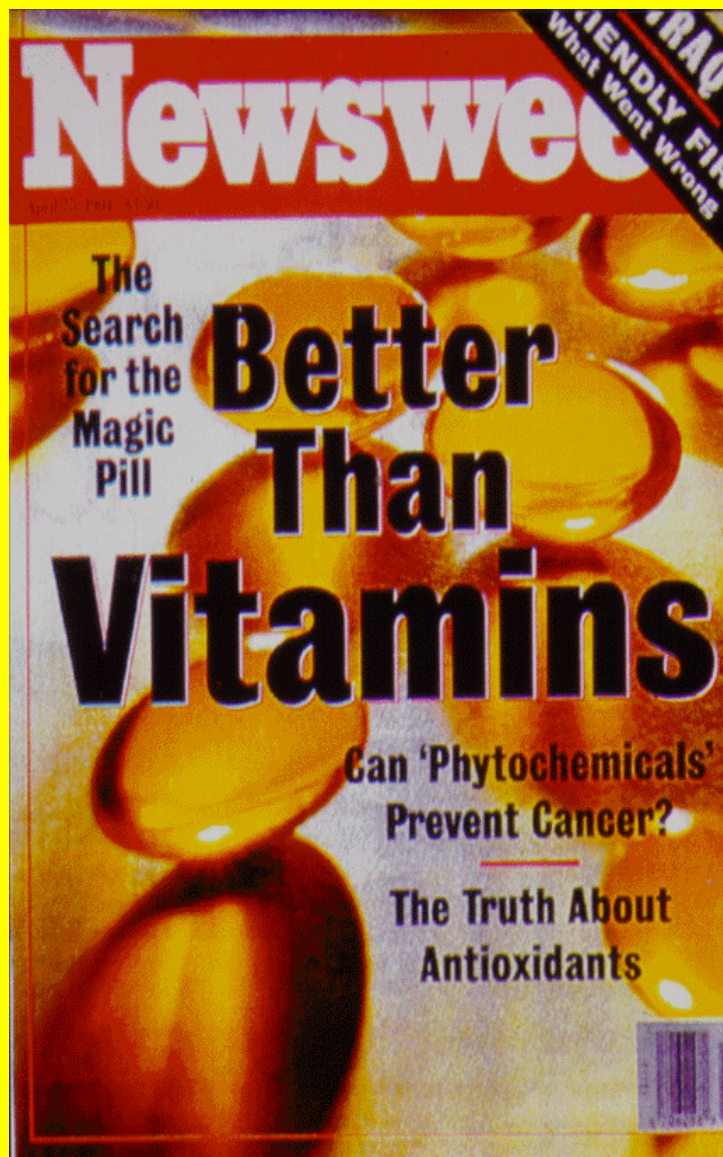


心臟病及高血壓症



細胞抗氧化系統

抗氧化補充劑



抗氧化植化物

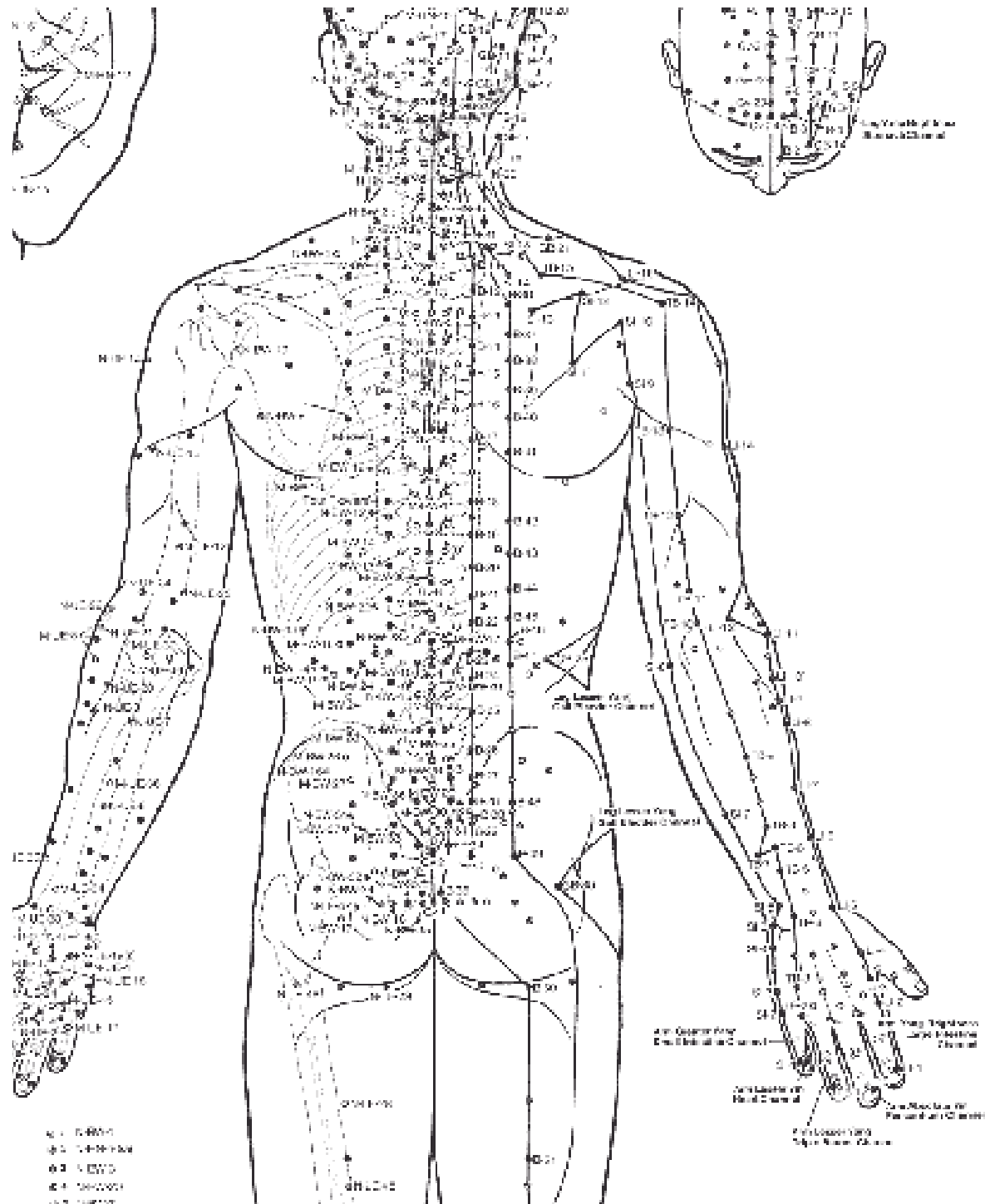
增強機體及細胞的抗氧化能力，藉以抗病防老

最新抗氧化研究

- ◆最近臨床研究發現，抗氧化補充劑(如維他命A, C, E等)未能有效提高機體的抗氧化功能，沒有預防老年疾病的效果。
- ◆一些草藥內含的化合物反而能有效地提升機體的抗氧化機制，有效清除自由基。



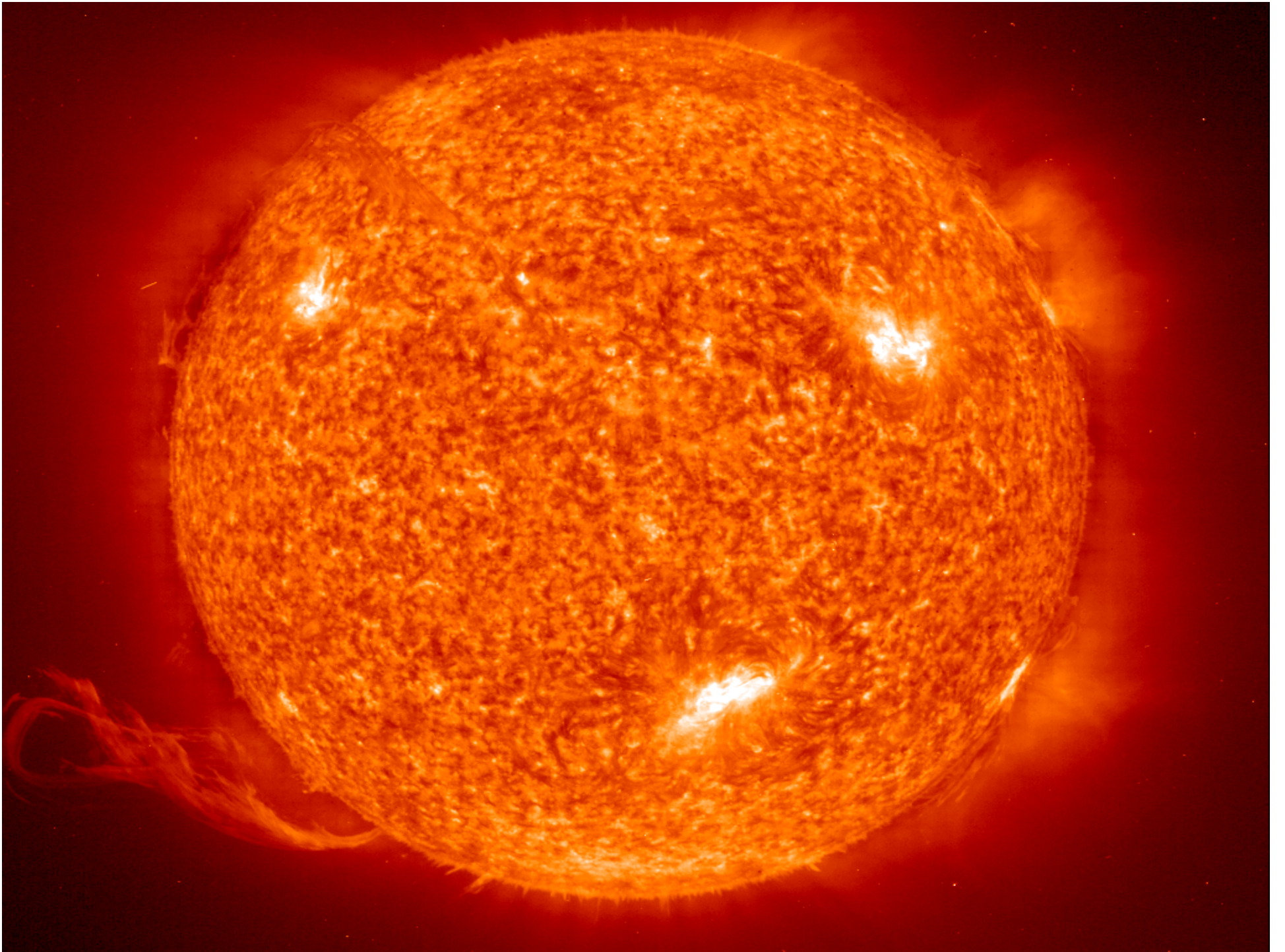
傳統中醫藥注重使用補益中草藥來延緩衰老



陽 ⇔ 陰
⇓
氣 血

陽

氣

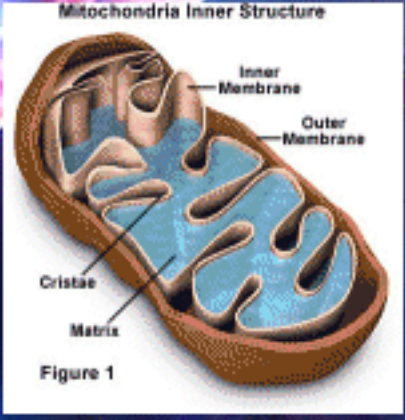
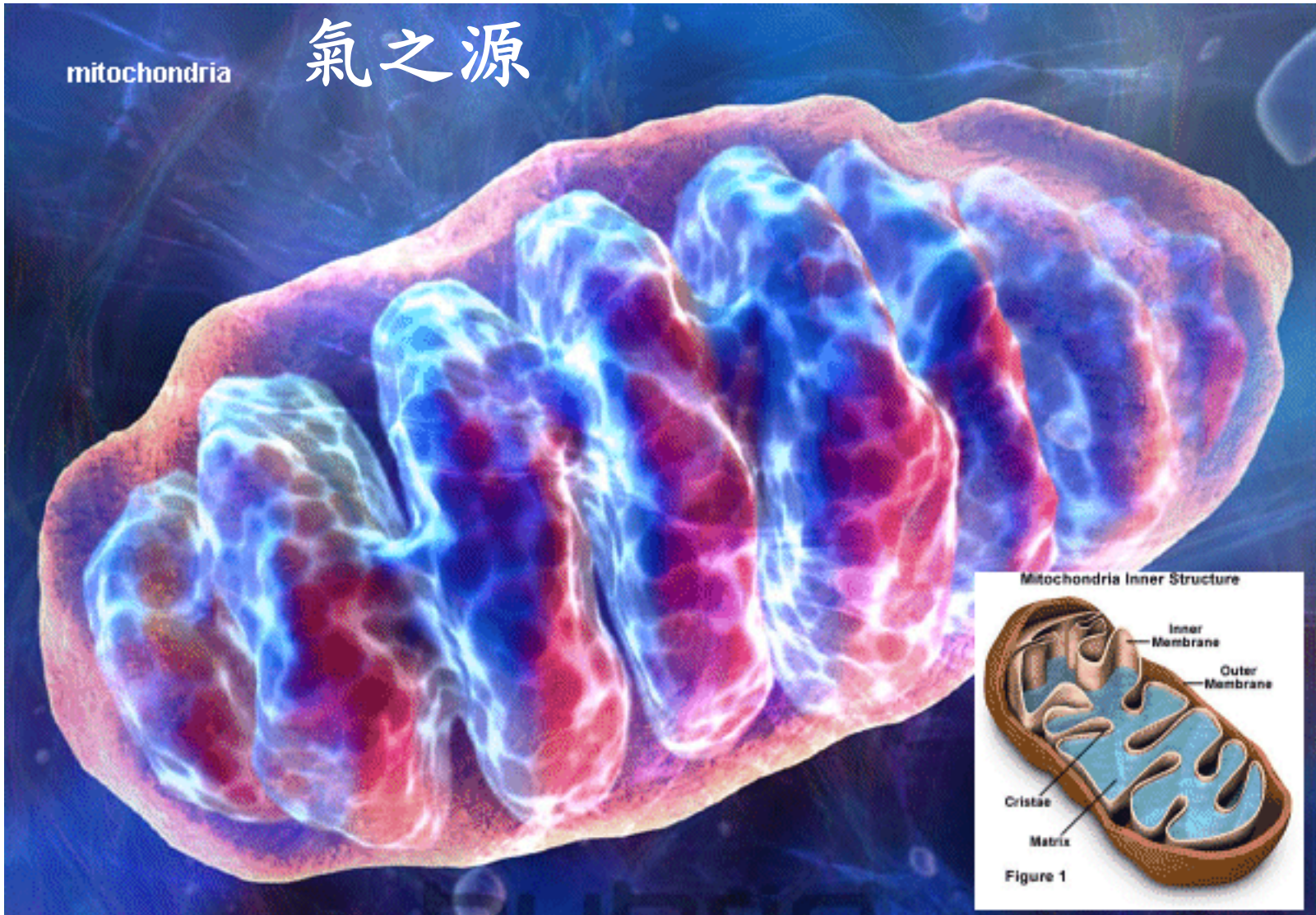






mitochondria

氣之源



正義之師



扶正祛邪

Vigconic 維康28 (VI-28)

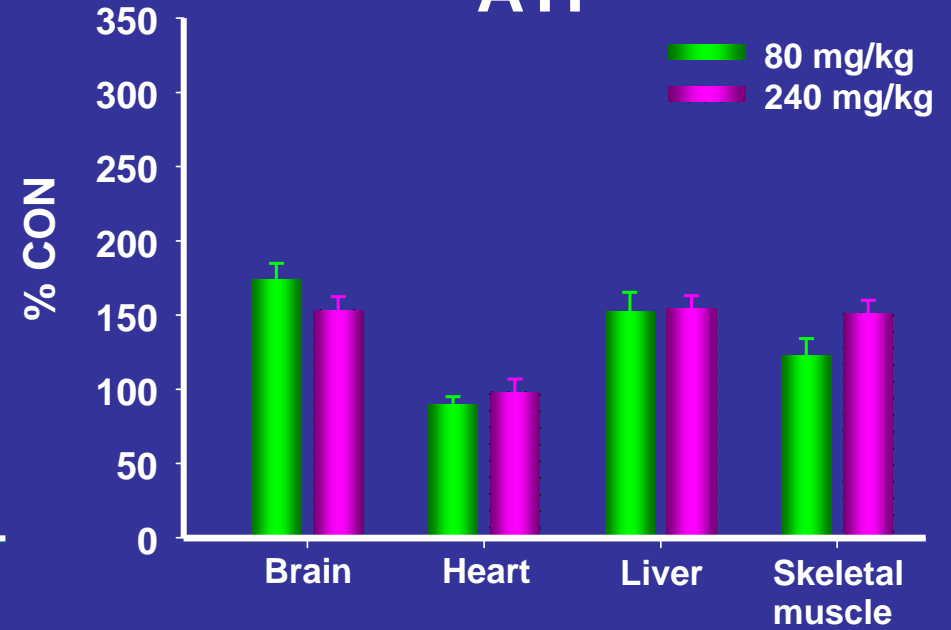
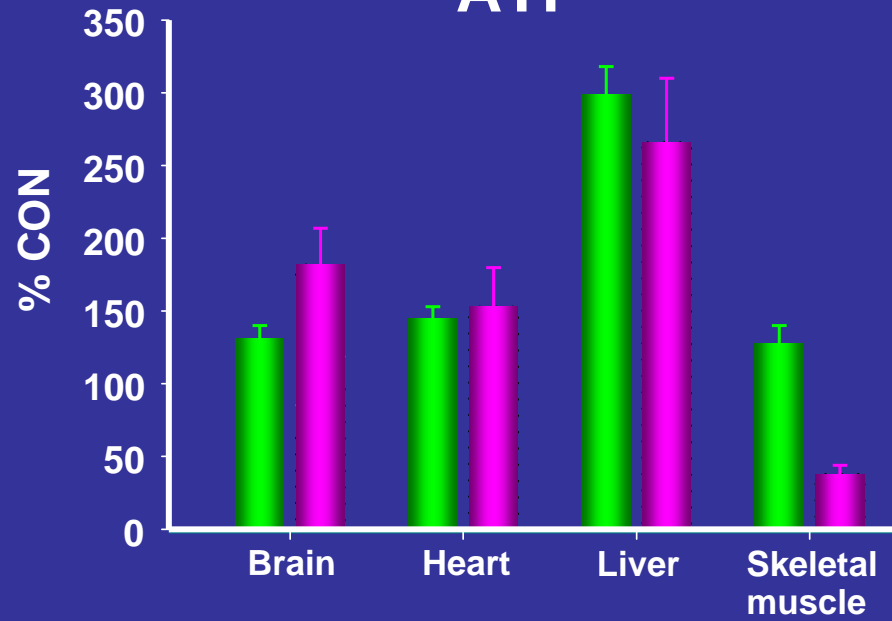
補腎助陽驗方的藥理研究

雄性

雌性

ATP

ATP

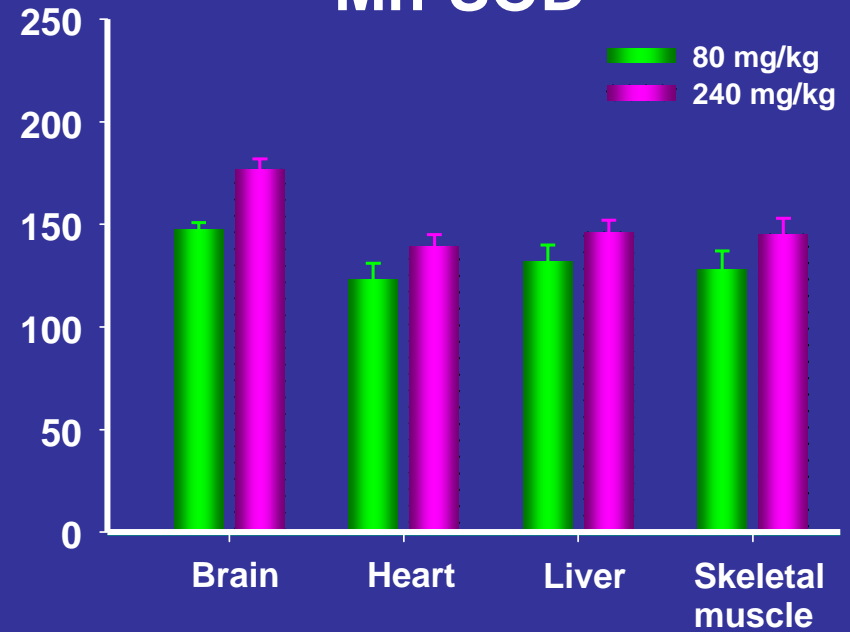
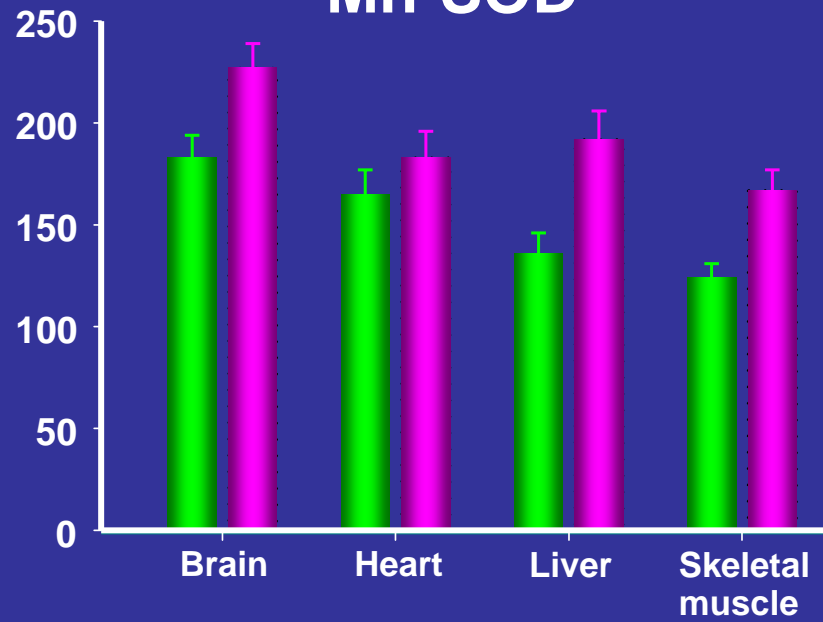


雄性

雌性

Mn-SOD

Mn-SOD



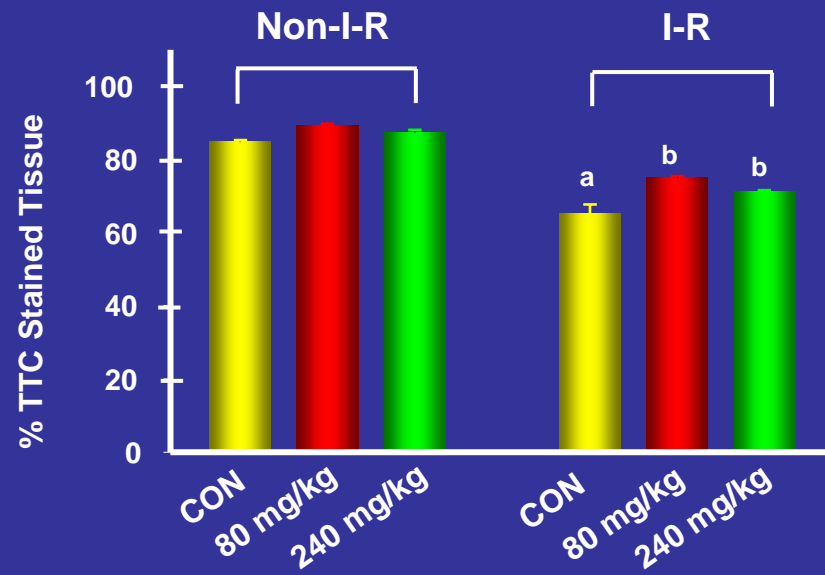
測試長期服用VI-28對各重要腑 臟的抗氧化保護作用

腦、心、肝、腎

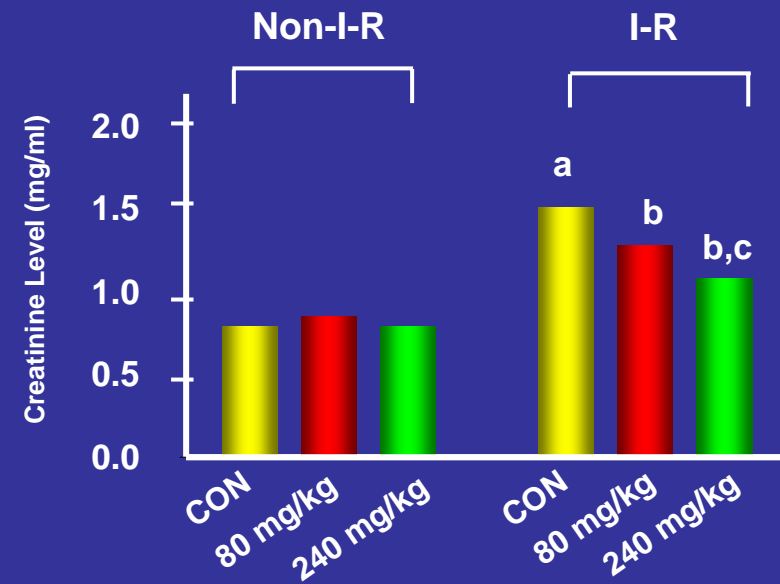
離體灌注心臟實驗



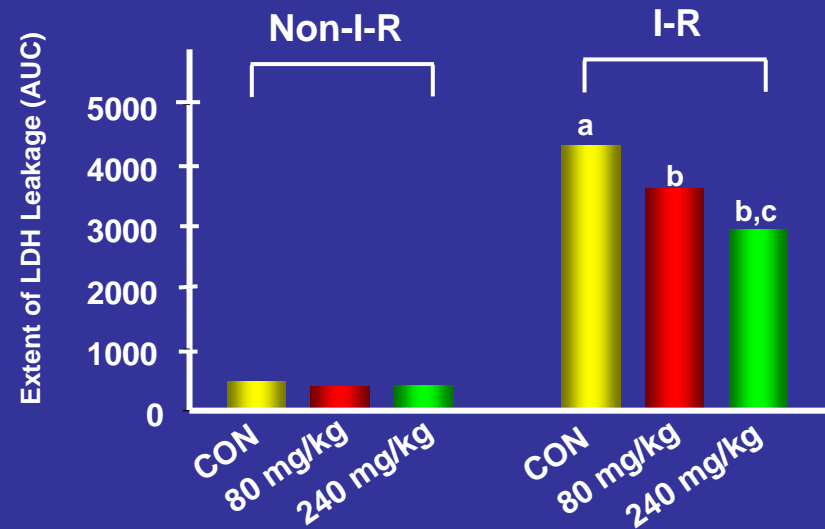
(a) Brain 腦臟



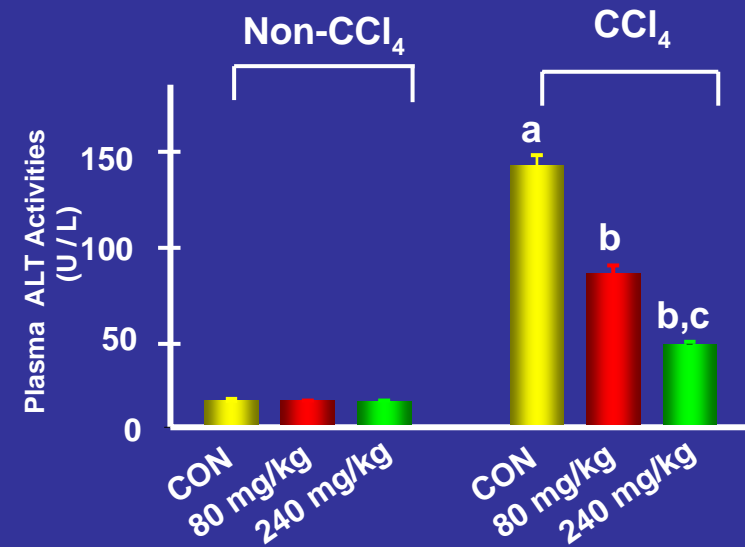
(c) Kidney 腎臟



(b) Heart 心臟



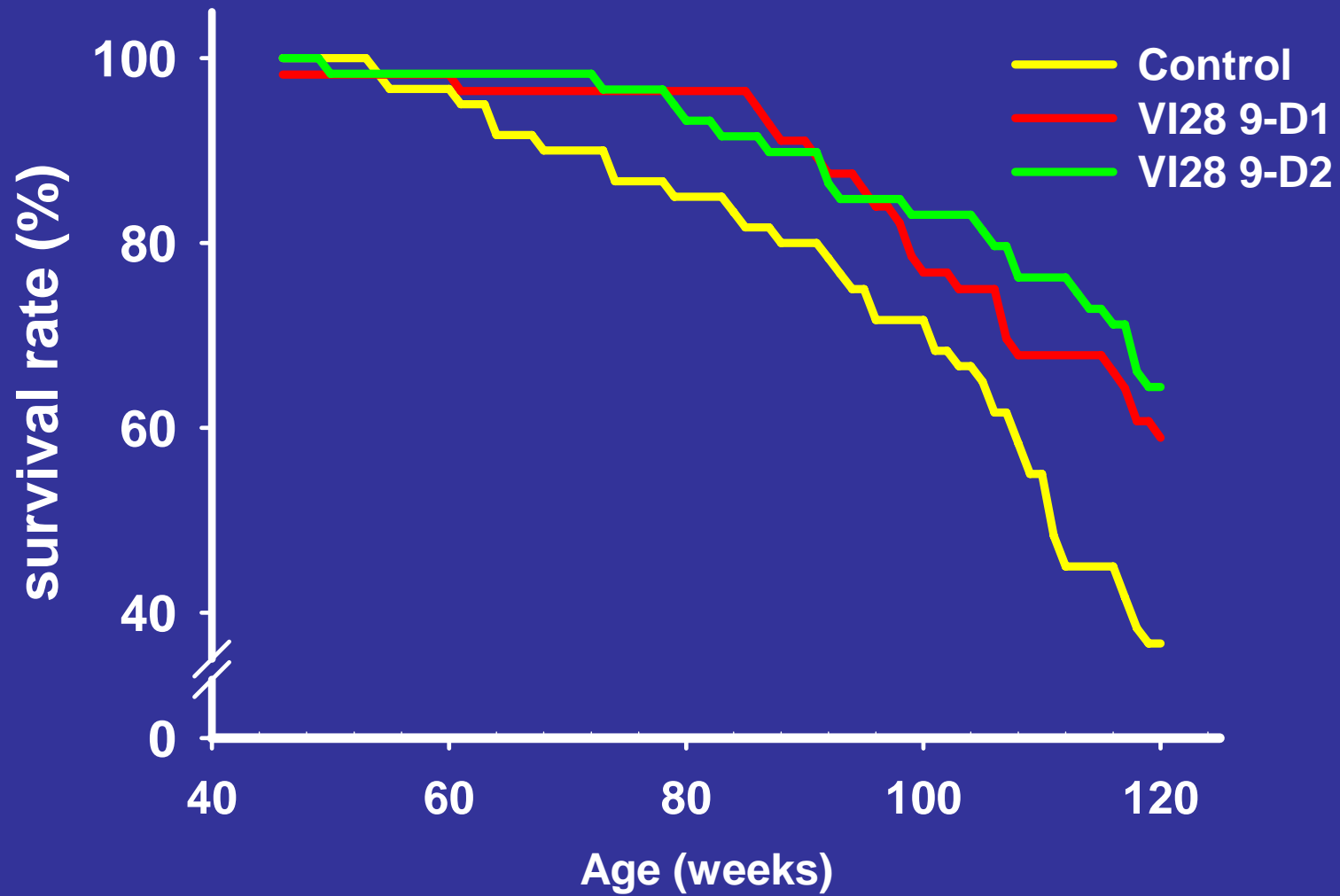
(d) Liver 肝臟



延緩衰老實驗

C57小鼠

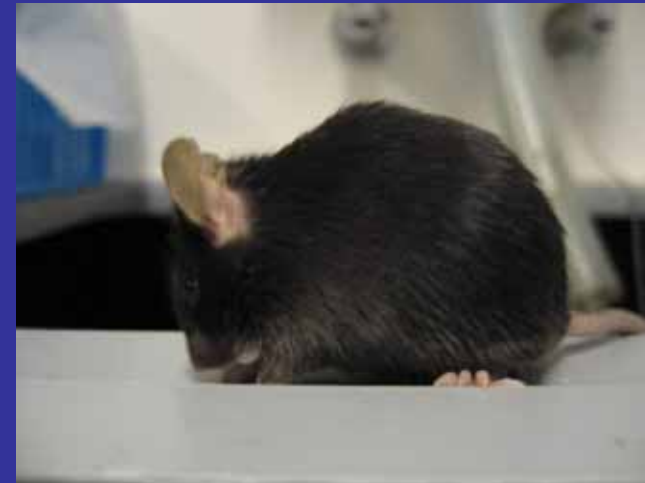
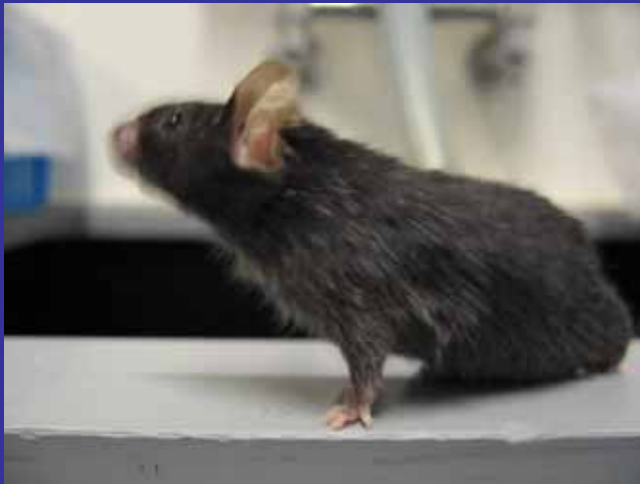
延緩衰老實驗：30 個月生存率



C57 小鼠 延緩衰老實驗

VI28-D1 低劑量

對照



VI28- D2 高劑量

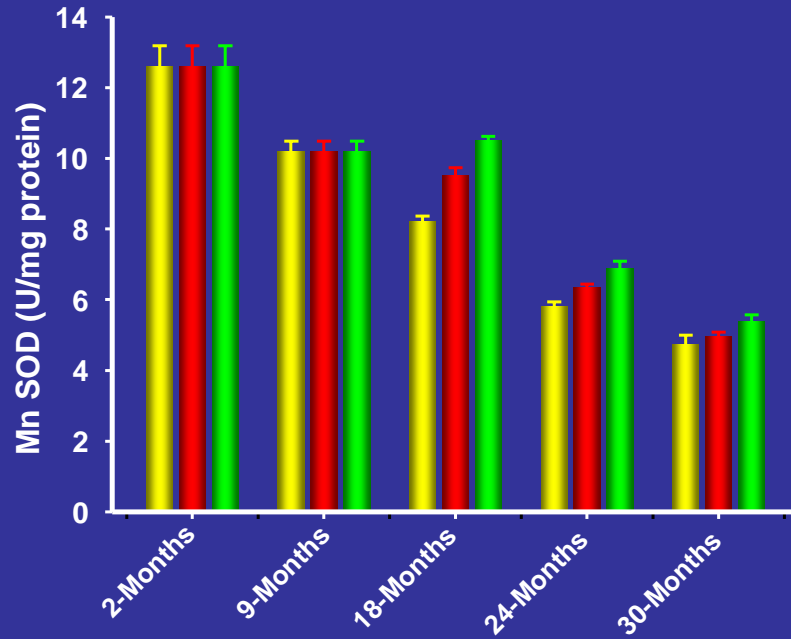


年老現象

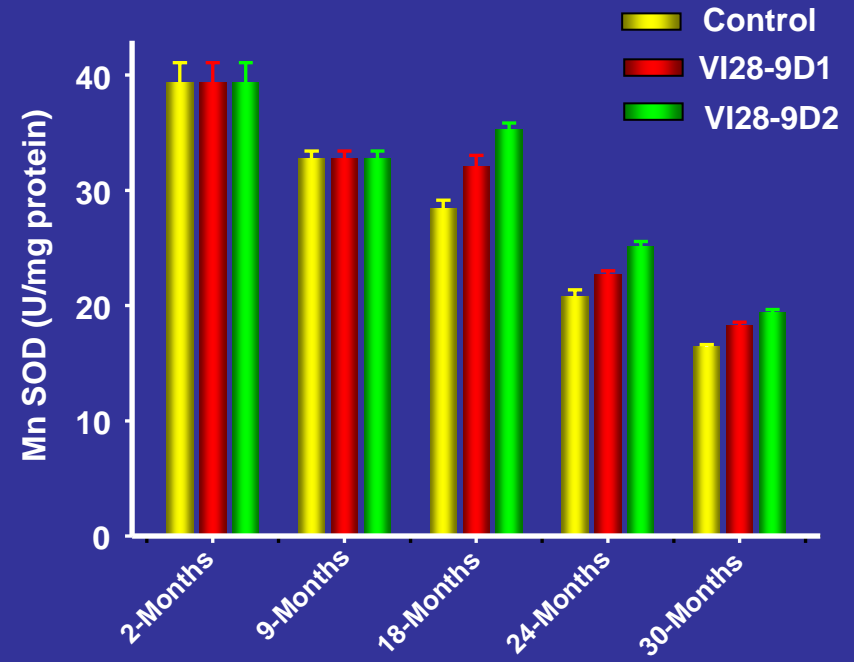


延緩衰老實驗：線粒體抗氧化指標

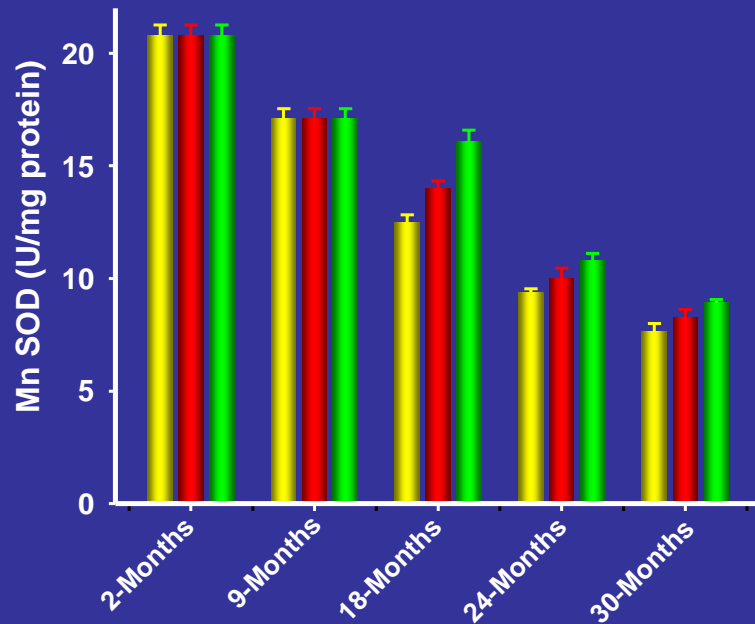
腦



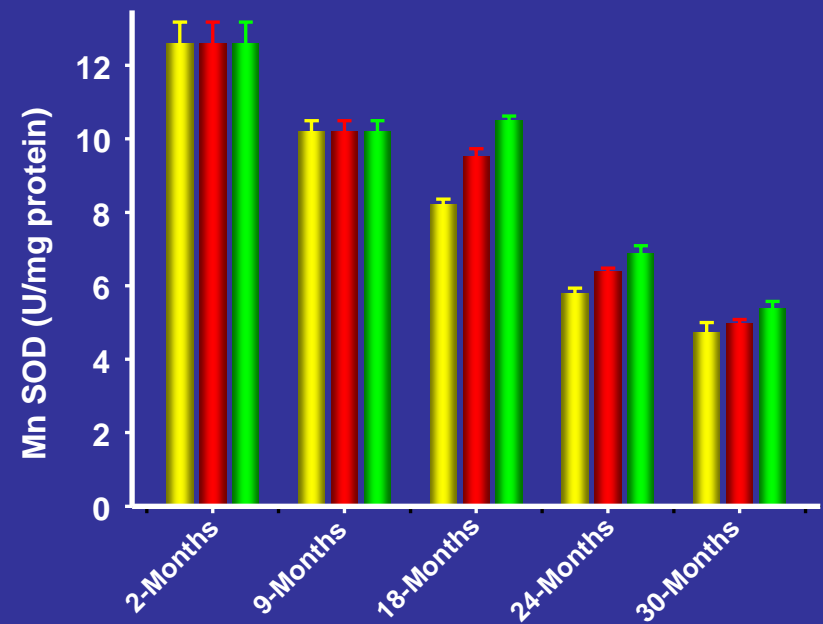
心



肝

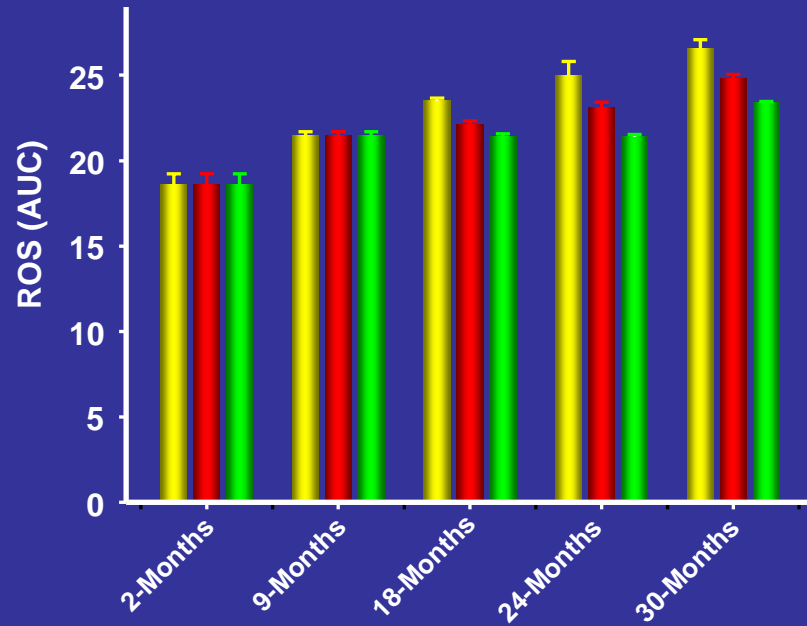


腎

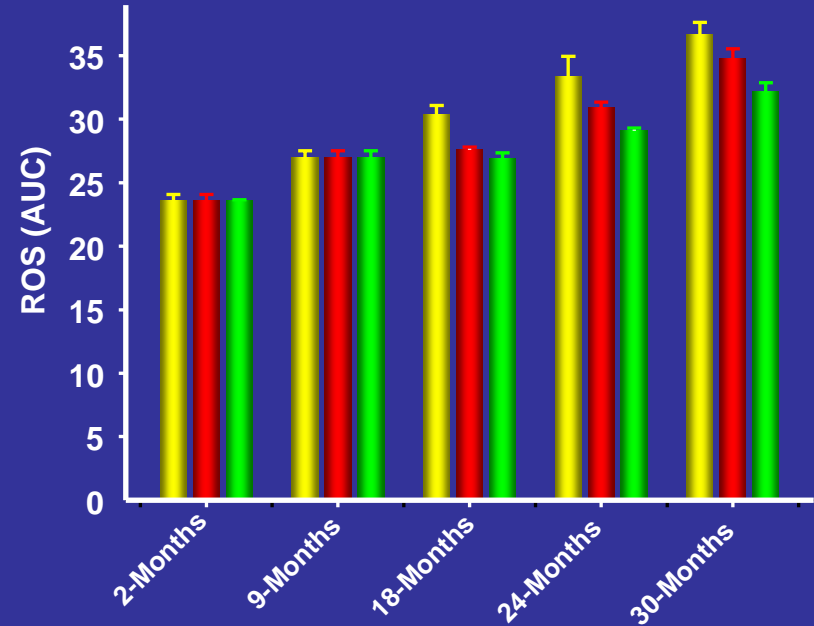


延緩衰老實驗：組織的自由基產生量

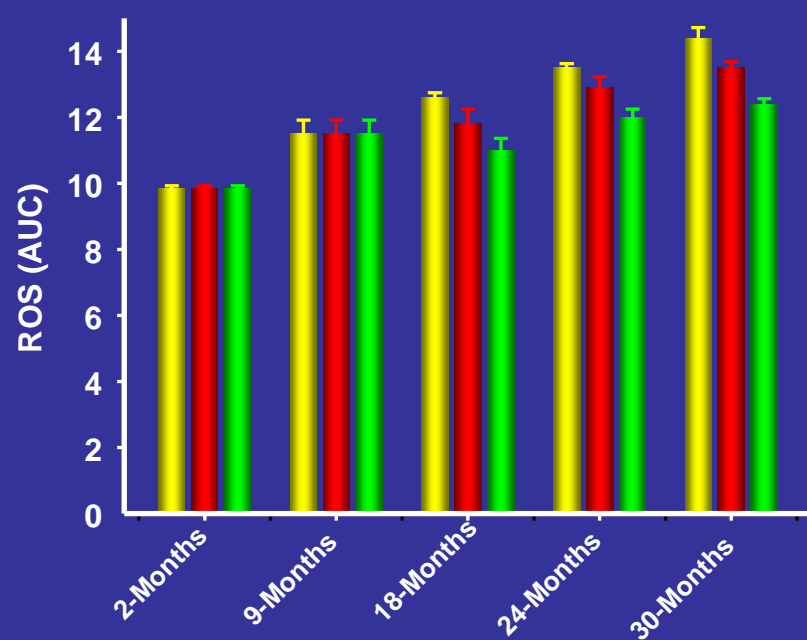
腦



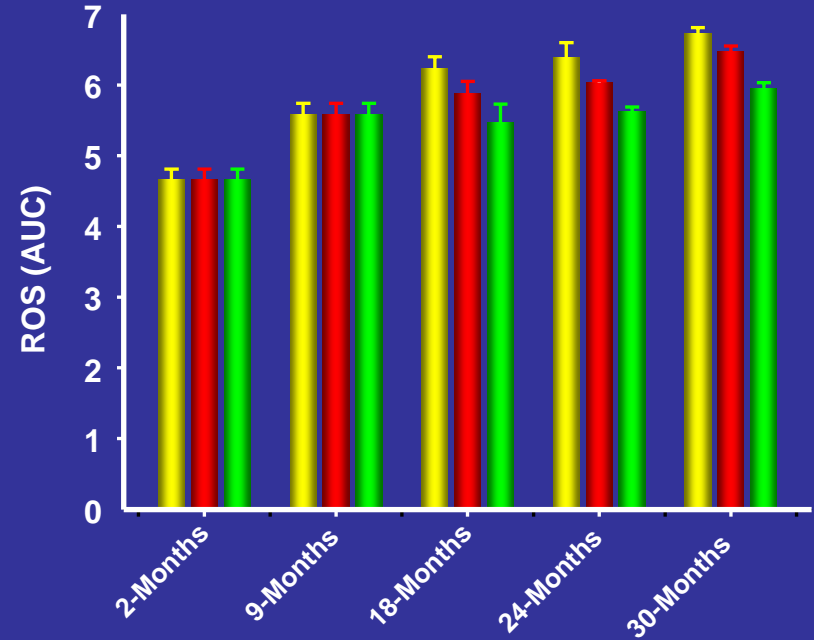
心



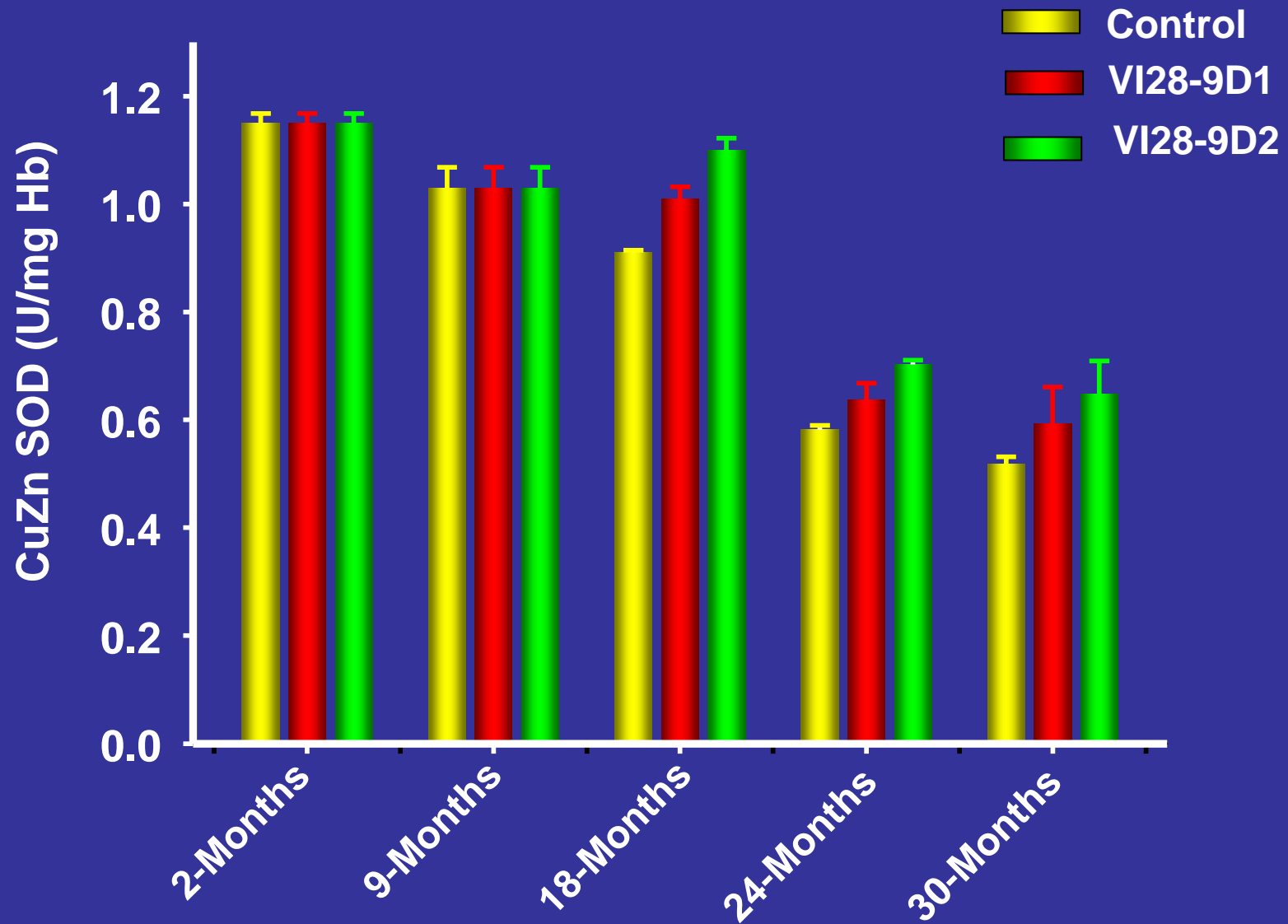
肝

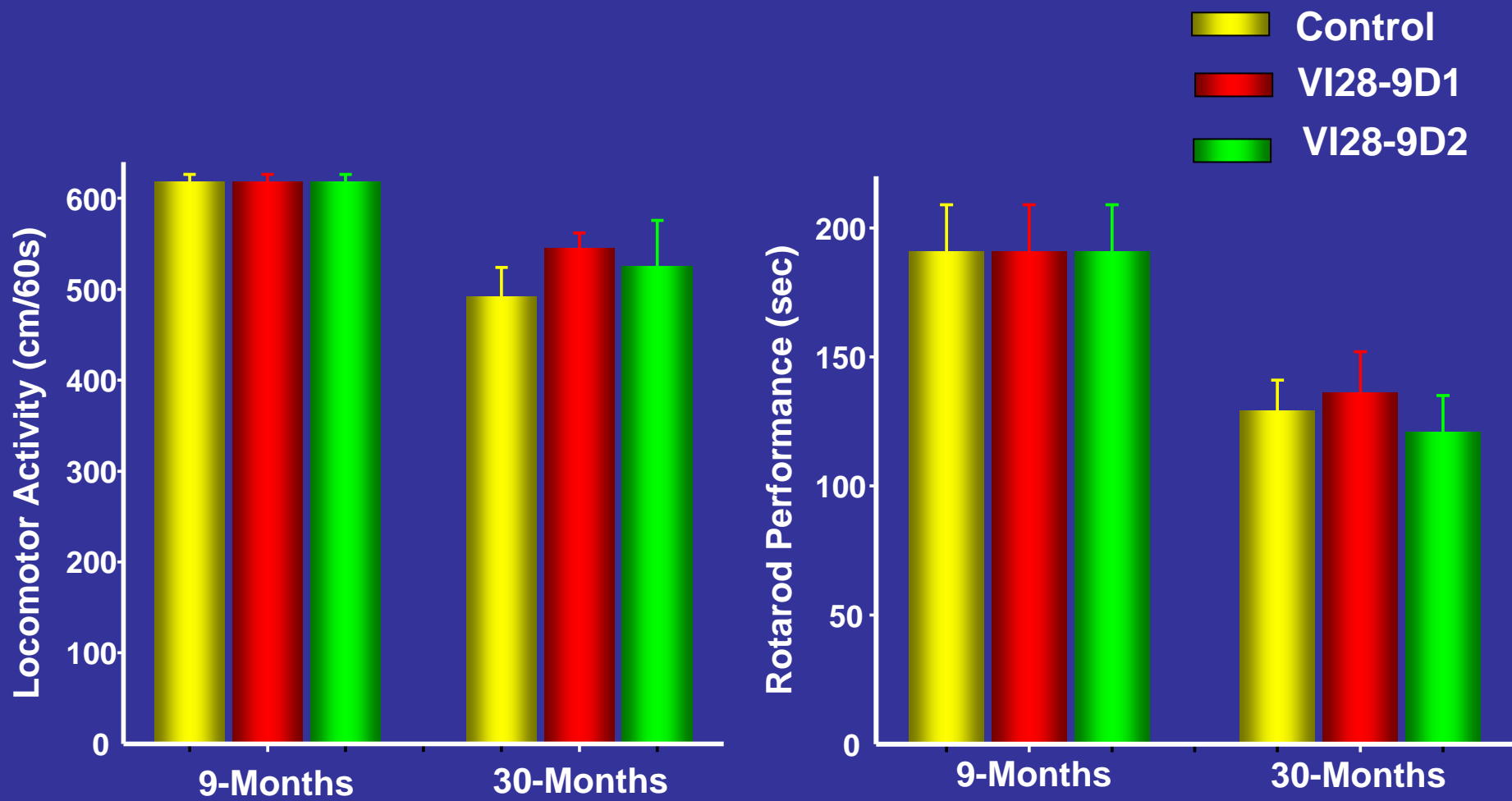


腎



延緩衰老實驗：紅血細胞抗氧化能力





實驗結論

- 長期服用VI-28一方面能增強細胞能量生成，也提升線粒體的抗氧化機制，有效地保護不同腑臟免受自由基引致的損傷
- 長期服用VI-28能抑制年老引致的線粒體抗氧化功能下降，有效延緩衰老