## Carotid sinus nerve resection prevents cognitive dysfunction in an animal model of dysmetabolism

Adriana M. Capucho, Ana Chegão, Bernardete F. Melo, Fátima O. Martins, Natália Madeira, Joana F. Sacramento, Rosalina Fonseca, Hugo Vicente Miranda, Sílvia V. Conde CEDOC- Chronic Diseases Research Centre, NMS- NOVA Medical School Lisbon, Portugal



## Modulation of CB activity can prevent brain insulin resistance and hyperinsulinemia-induced neurodegeneration









Figure 2. Effect of HFHSu diet and CSN resection on Insulin sensitivity and Glucose Tolerance. A) Constant of Insulin Tolerance Test (KITT) before CSN resection, and C) 5 weeks after CSN resection.
B) Glucose tolerance depicted as glucose excursion curves, and as the area under the curve (AUC) obtained from the glucose excursion curves, before CSN resection, and D) 5 weeks after surgery.



## Carotid body modulation might protect against hypercaloric diets induced-cognitive impairment

http://cedoc.unl.pt/neuronal-control-metabolic-disturbances/

adriana.capucho@nms.unl.pt

Visit us: