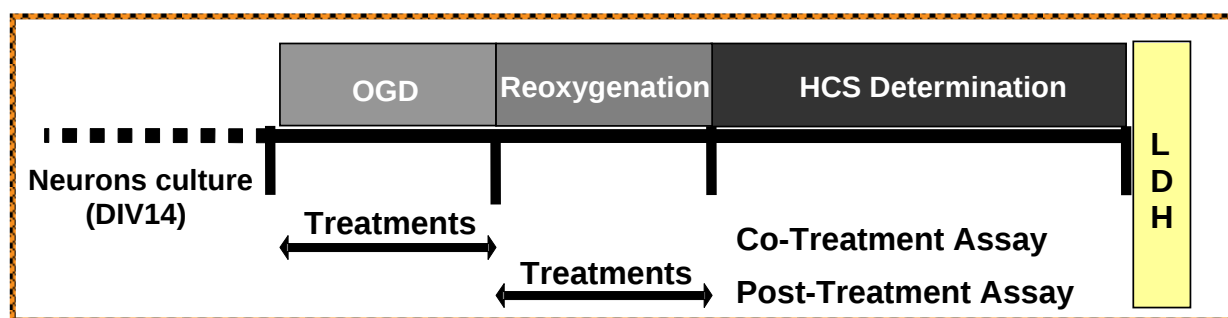


STROKE *IN VITRO* MODEL

Oxygen-Glucose Deprivation (OGD)

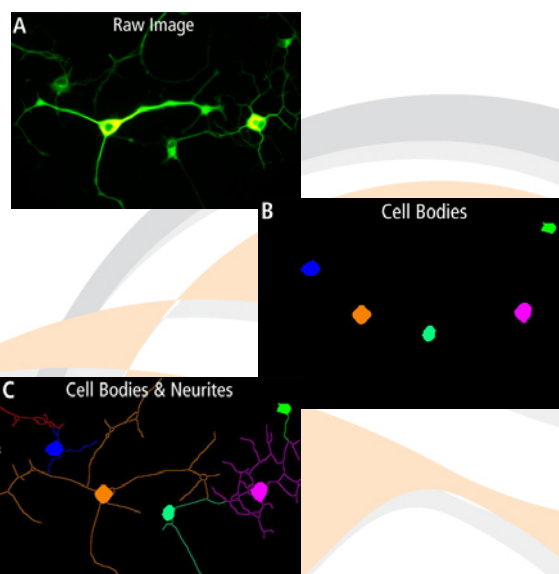
OUR MODEL

Human/Rat/Mouse primary neurons are starved in a special incubator without oxygen and cultured using media without glucose. After oxygen glucose deprivation (OGD) different studies are performed to analyze the different stages of the cell death process and the possible recovery of damaged neurons.



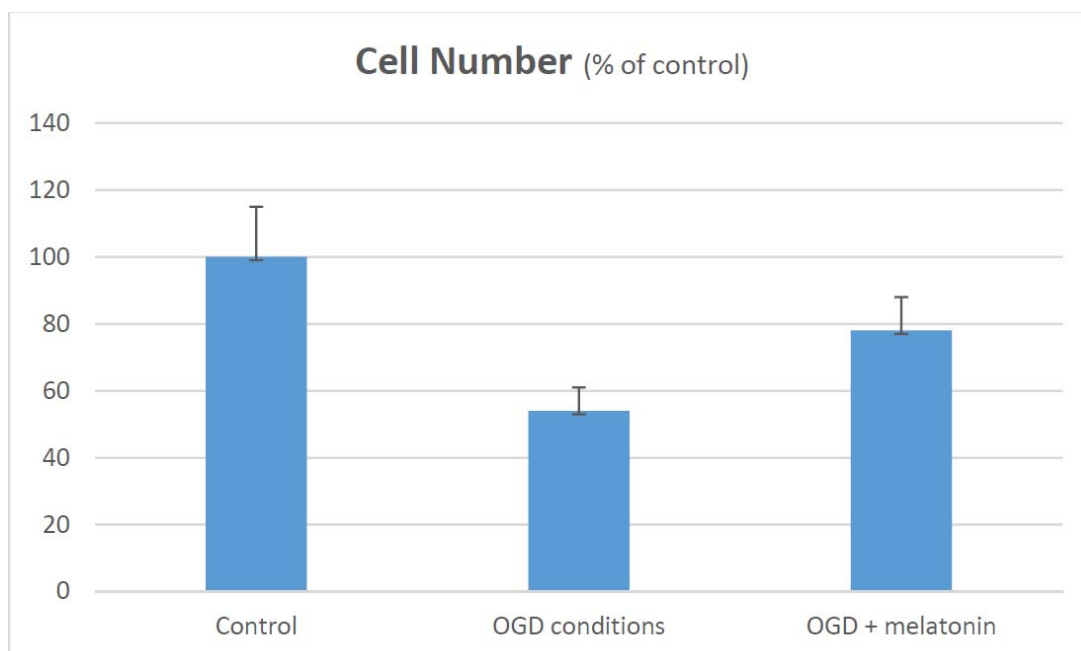
ENDPOINTS

- Oxidative Stress
- Mitochondrial Damage
- Caspase 3-7 Activation
- DNA Damage
- Membrane Damage
- Neurite Outgrowth Study

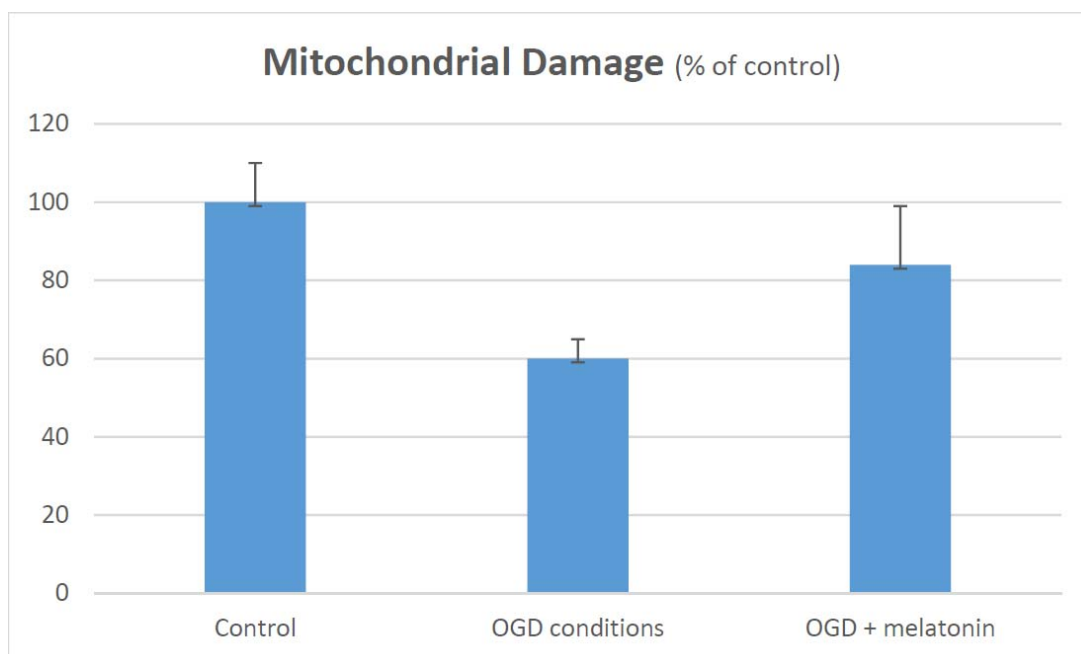


CONTROL RESULTS

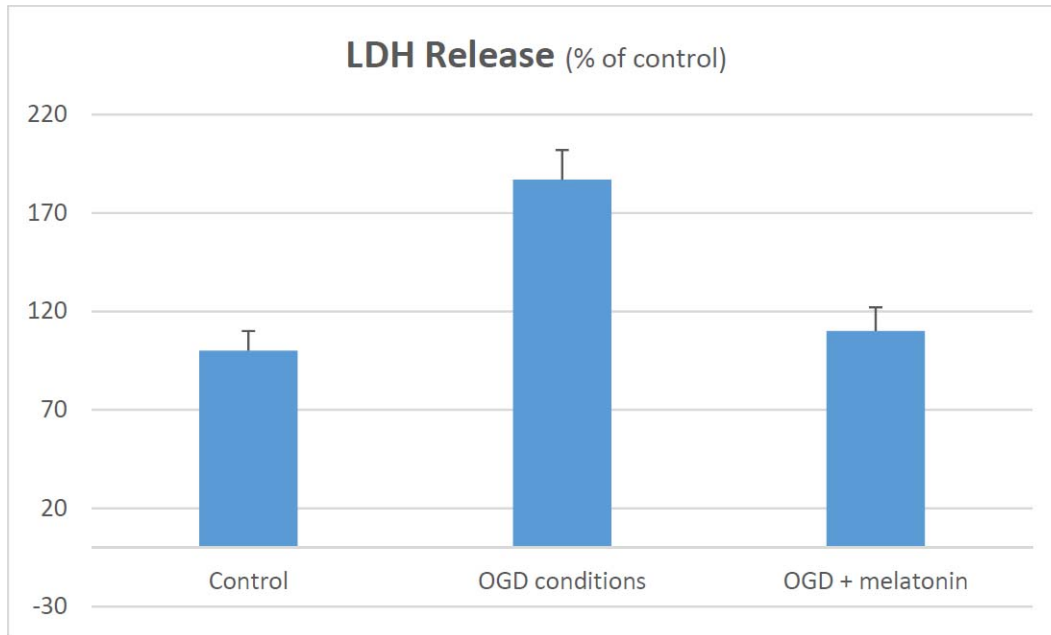
CELL NUMBER



MITOCHONDRIAL DAMAGE: TMRM



LDH Release



NEURITE OUTGROWTH

