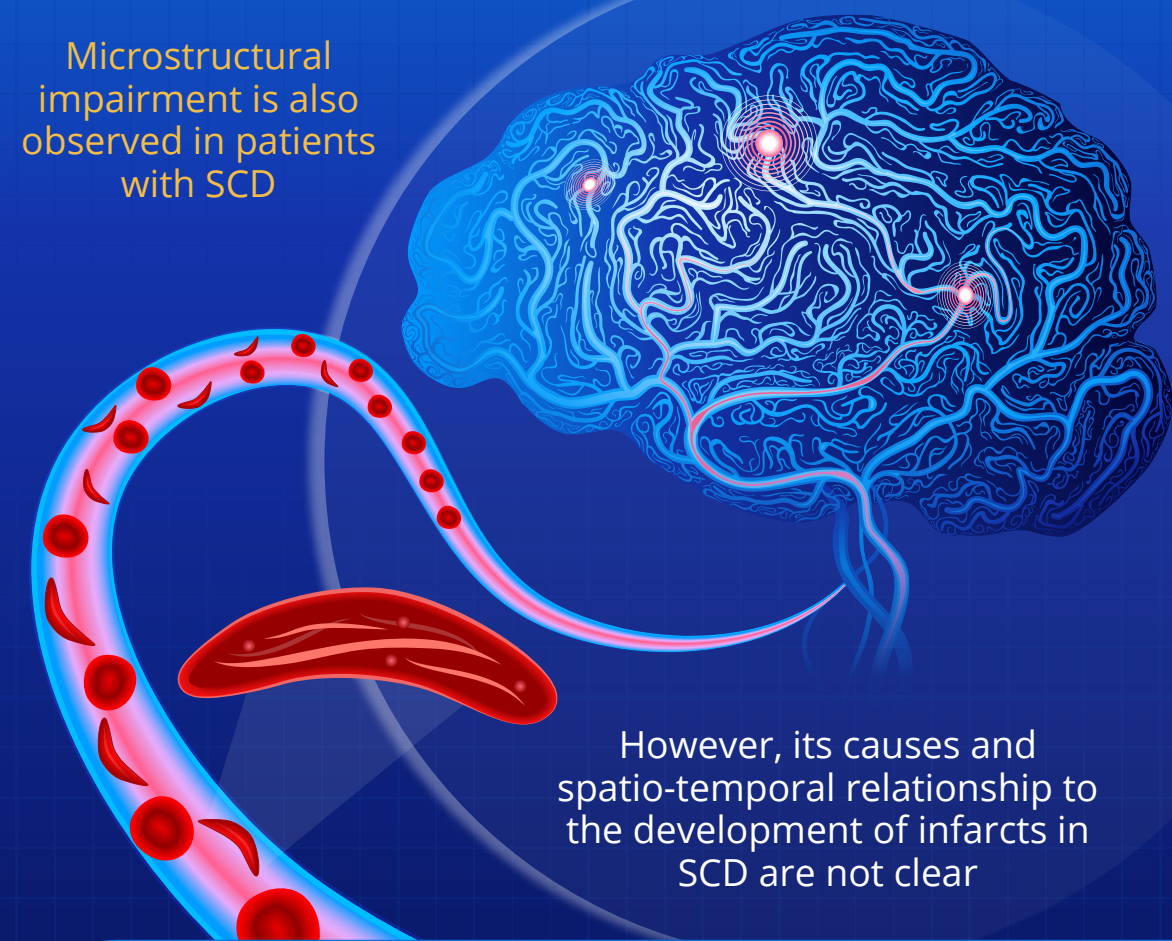


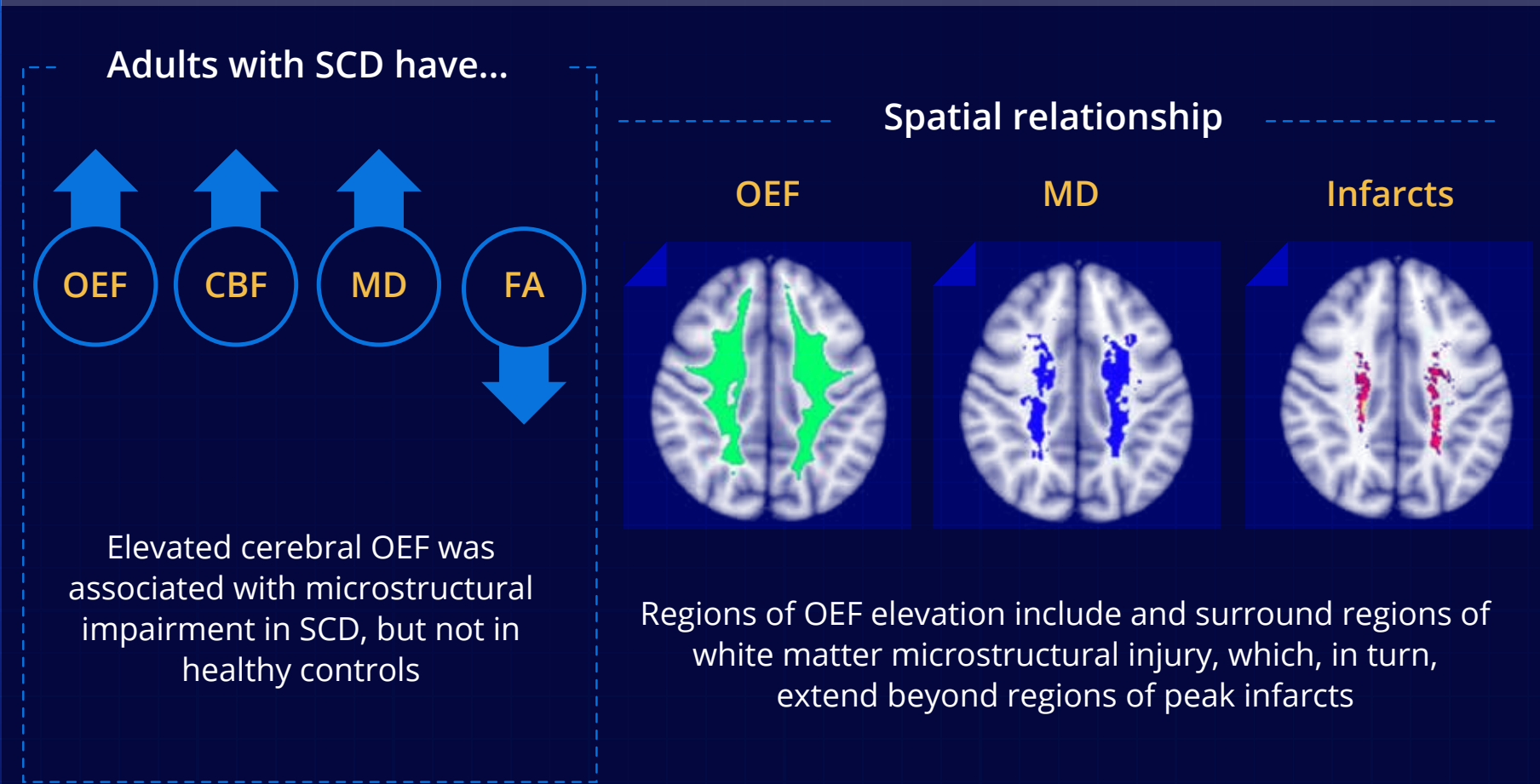
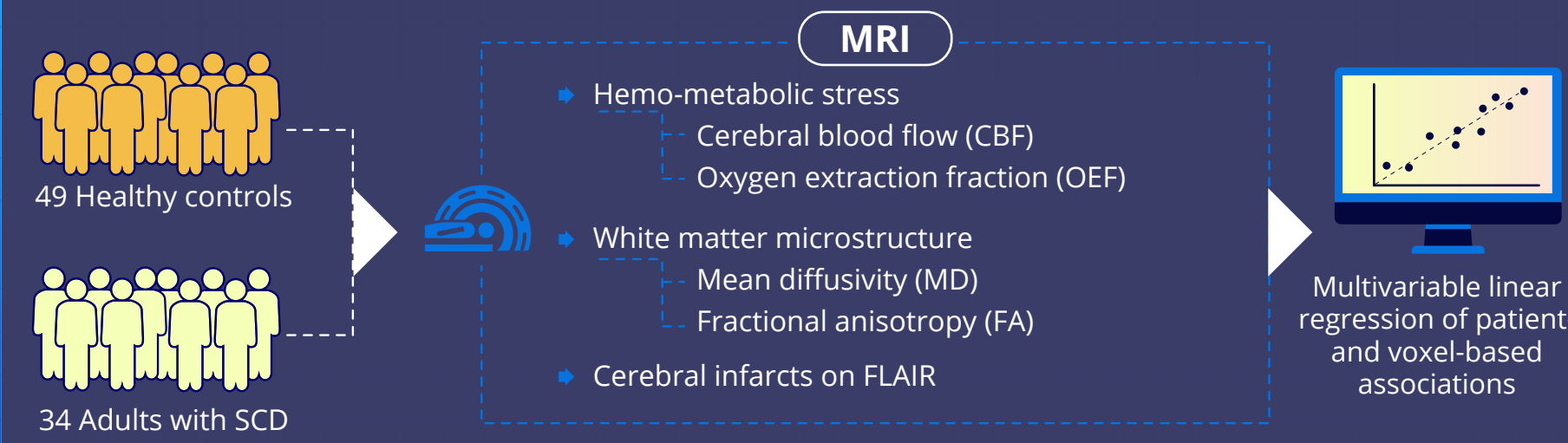
Cerebral Oxygen Metabolic Stress and Microstructural Injury: Associations with Cerebral Infarcts in Patients with Sickle Cell Disease

Cerebral infarcts are associated with hemodynamic and oxygen metabolic stress in patients with sickle cell disease (SCD)



Study question

What is the impact of hemodynamic and oxygen metabolic stress on white matter microstructure within normal-appearing white matter in adults with SCD?



Key finding: Cerebral oxygen metabolic stress may be a precursor to microstructural injury and cerebral infarcts in patients with SCD