Image-Guided Treatment Planning for Neuro-Interventions

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Supported by EB002916

Neurovascular complications 10%

Goal

Safer neurovascular interventions by providing

    tortuousity

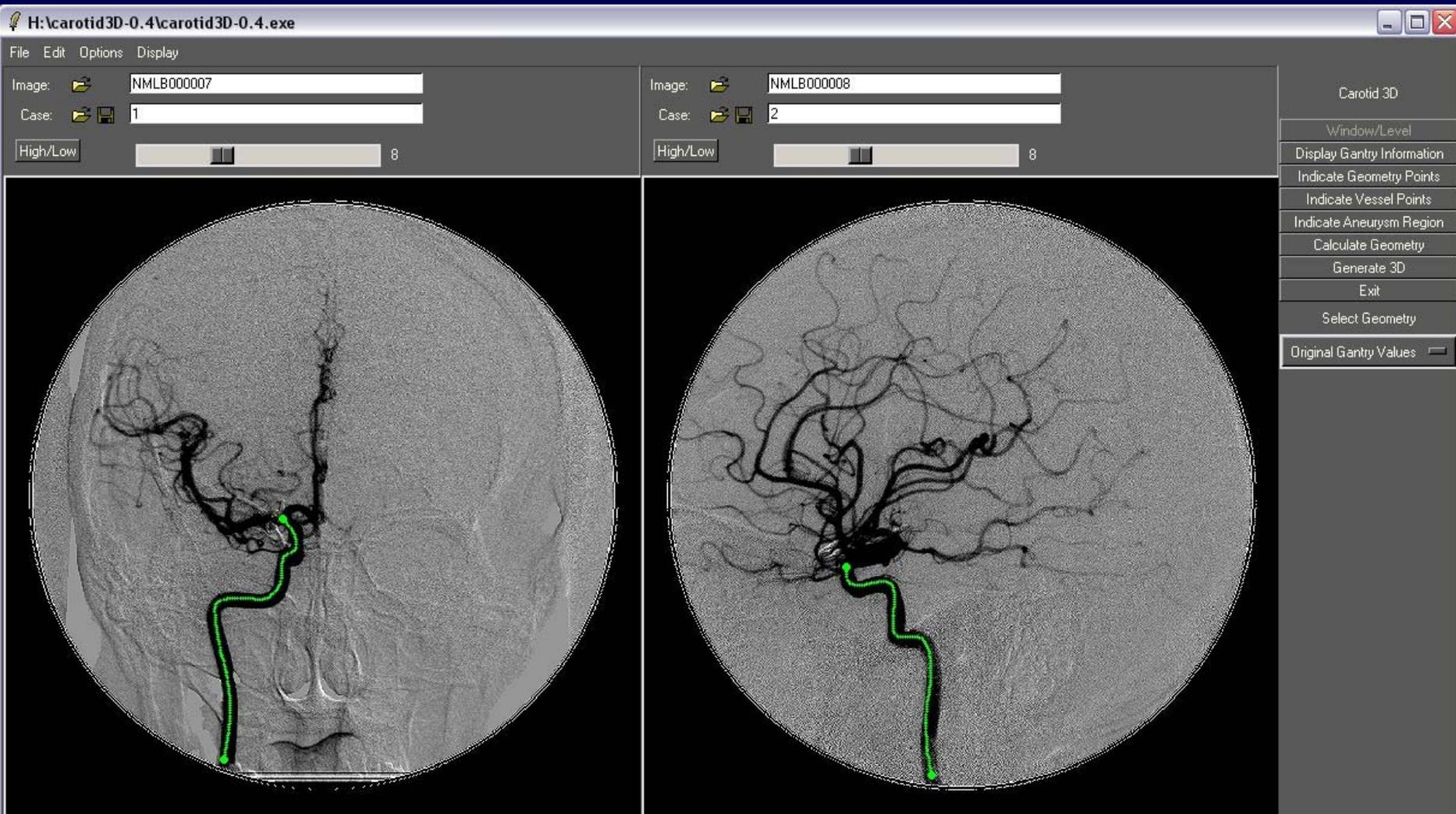   **accessibility**

    catheter positioning

    complication predictions

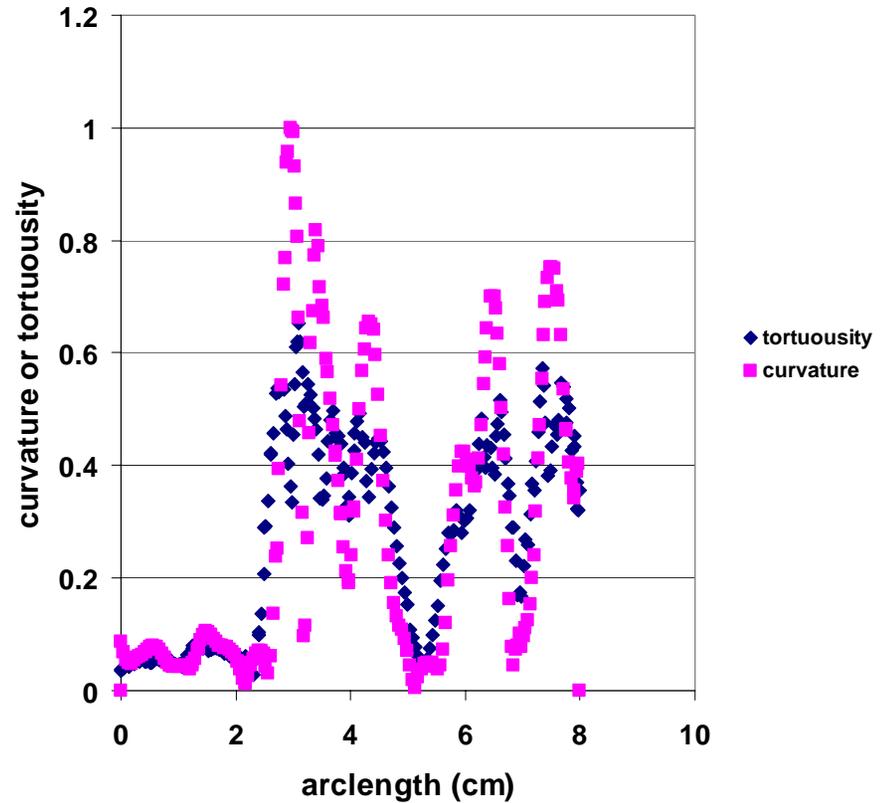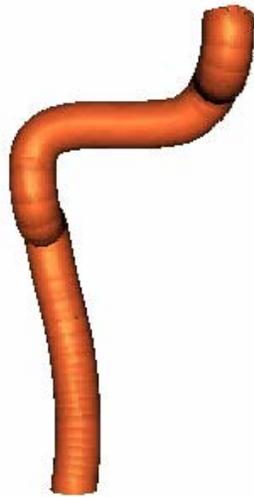**during the procedure**

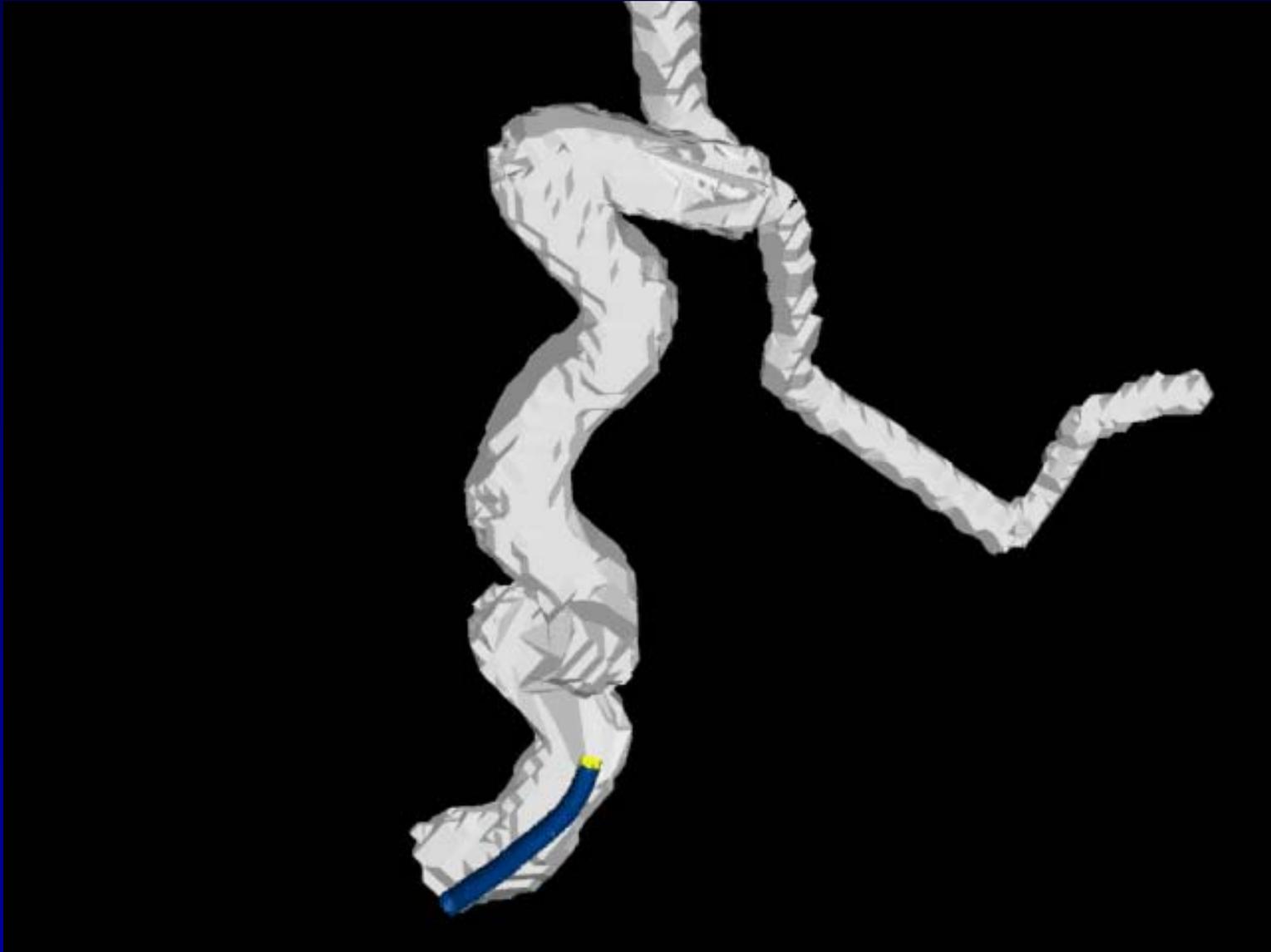# Vascular Accessibility
3D from Biplane/Multiple Views

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Vascular Accessibility
3D and Tortuousity

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Catheter Positioning

Predictive Model

Correlate metrics with complications
Develop predictive model
Evaluate

Status

Sited clinical interface
Investigating tortuosity metrics
Started catheter simulations