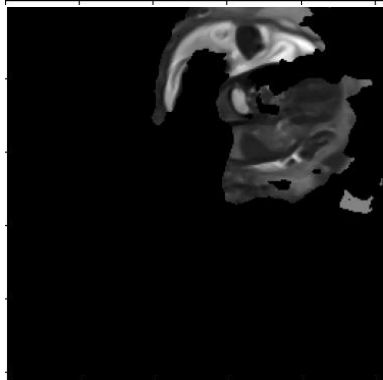
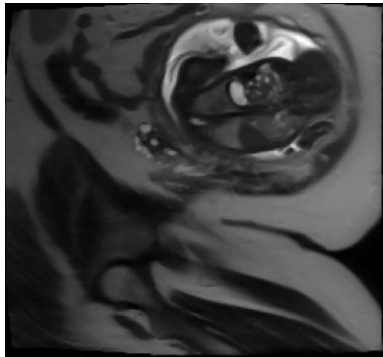


# UTD-CISI Deep Learning AI Tools for Medical Imaging



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**Goal:** implement a Deep Learning Model that segments the Placenta and Uterine Cavity in uterus MRI's of pregnant women. Create GUI, Web App, and Flywheel User Interface to allow a much easier and efficient usage of the model.



**Approach:** web applications paired with AR-based mobile app.

- Deep Learning Model implementation
- End-User GUI
- End-User web app
- Commercialized FLYWHEEL UI

**Features:**

- *GUI* - displays the placenta, uterus, and the original image
- *Flywheel UI* – Commercializes the model and allows easier access
- *U-net model* – Neural Network for image segmentation tasks(identify placenta and uterus in an image)
- Web application - Upload DICOM file and displays the placenta and uterus.

