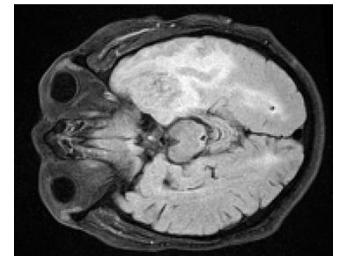# Simultaneous brain tumor and organs-at-risk segmentation for radiotherapy
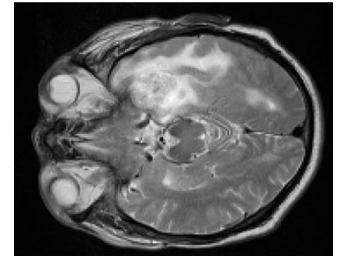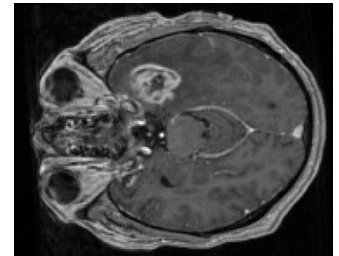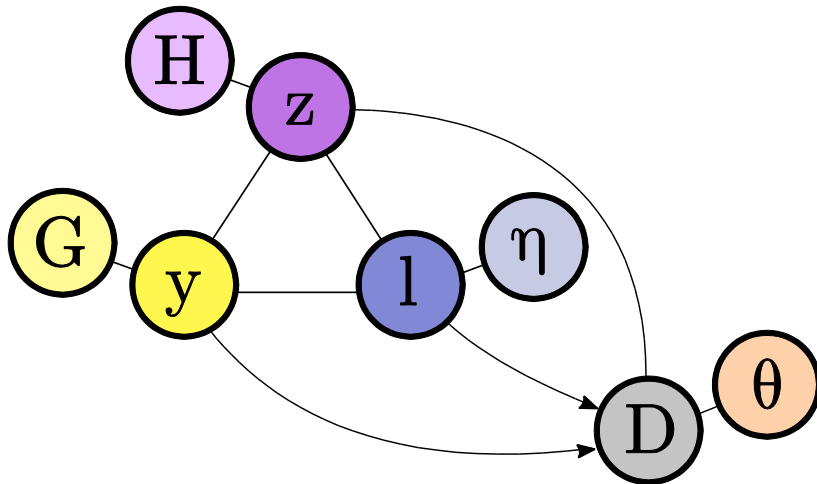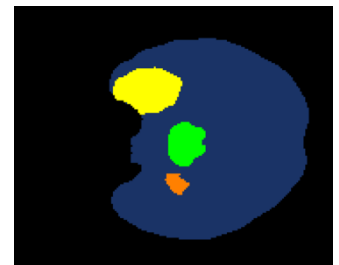
Mikael Agn, DTU Compute

- For radiotherapy of brain tumors, both the tumors and organs-at-risk need to be segmented from MR images.

- Automatic segmentation still challenging.

- We propose a **generative method** combining an **atlas-based method** for healthy tissues with **convolutional RBMs** to model the shape of tumors.

automatic   manual