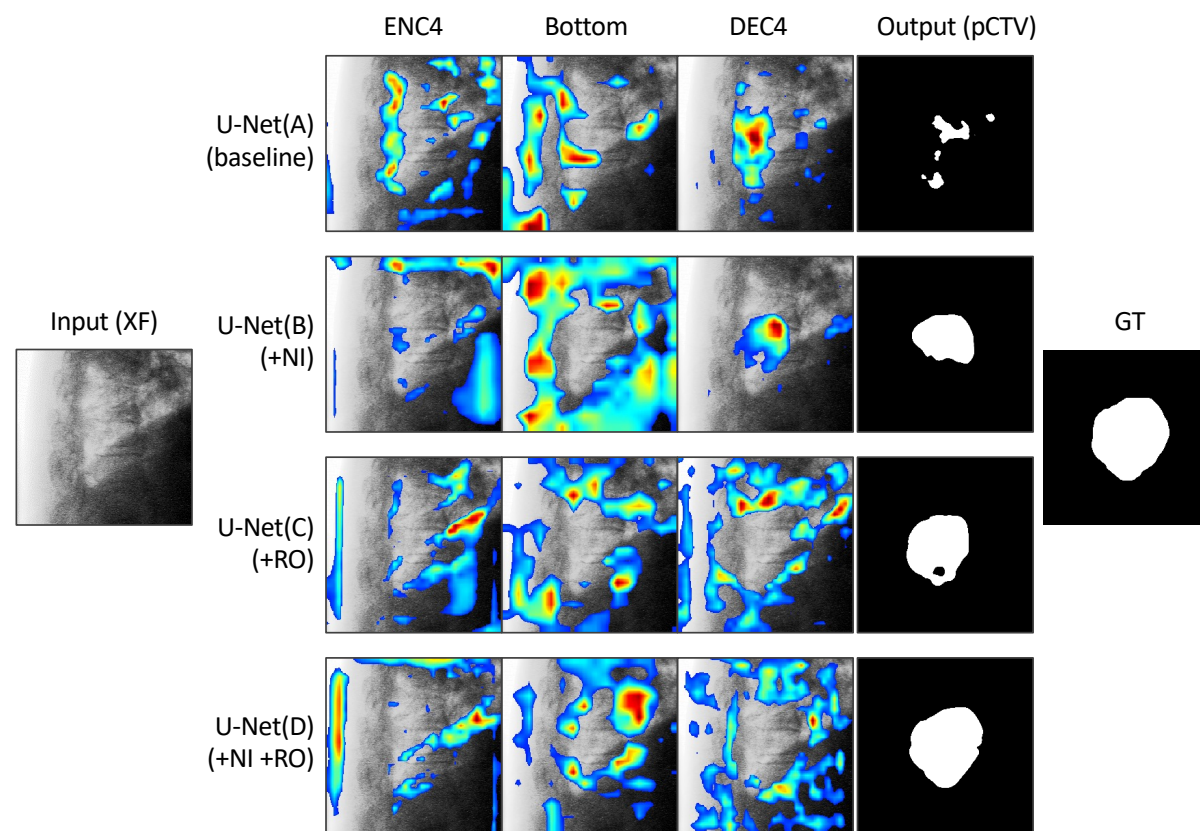


## Explainability and controllability of patient-specific deep learning with attention-based augmentation for markerless image-guided radiotherapy



The proposed attention-based data augmentation made the CNN behavior more explainable and more controllable. The results demonstrated the feasibility of real-time markerless lung tumor segmentation in kV X-ray images for image-guided radiotherapy.