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Improving Airway Segmentation in Computed Tomography using
Leak Detection with Convolutional Networks

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Highlights

- A novel method to improve airway segmentation in thoracic CT is presented
- Convolutional networks are used to detect leaks in an airway segmentation
- We propose a way to largely circumvent re-tuning of an airway segmentation algorithm
- Our method was validated on an independent set of the EXACT09 challenge
- We increase the tree length while limiting leaks compared to other methods in EXACT09

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