

COMPUTER AIDED DIAGNOSIS

LUNA16: FALSE POSITIVE REDUCTION

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1. INTRODUCTION

Lung Nodule Analysis 2016 (LUNA16) challenge

2. METHOD

2.1. Fully convolutional networks

2.1.1. Lung segmentation

2.1.2. Nodule detection

2.1.3. False positive reduction

2.1.4. Analysing results with FROC

3. RESULTS

A. CONTRIBUTIONS

Luc Nies:

Tom van de Poll:

Harmen Prins:

Steven Reitsma:

Inez Wijnands:

B. REFERENCES

- [1] J. Long, E. Shelhamer & T. Darrell (2015). Fully convolutional networks for semantic segmentation. *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*: 3431–3440.
- [2] K. Simonyan & A. Zisserman (2014). Very deep convolutional networks for large-scale image recognition. *arXiv:1409.1556*