COMPUTER AIDED DIAGNOSIS
LUNA16: CANDIDATE DETECTION

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ABSTRACT

Write your abstract here.

1. INTRODUCTION

In the *LUng Nodule Analysis 2016 (LUNA16)* challenge, we aim to detect lung nodules in low-dose lung CT images. Firstly, we have segmented the lungs from the images. The next step is identifying candidates for lung nodules. Our aim is to detect enough candidates to include all actual lung nodules. In other words, be as sensitive as possible. The future step is of course to remove the false positives, but first we strive towards including the annotated nodules.

We continued working on the deep learning approach we used for the previous phase. In that phase we worked on lung segmentation and for this phase we treated candidate detection again as a segmentation problem. Secondly, we also used an image processing approach where we use the features of nodules such as blobness for candidate detection. These approaches and results are explained more detailed in the following sections.

Table 1. Caption here.

text	text	text
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You can include figures as follows:

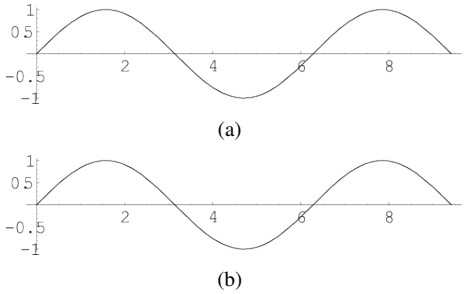

Fig. 1. Caption here.

2. METHOD

Explain the proposed method here. You can use subsections to detail each part of your approach as follows.

2.1. Fully convolutional network

Your text here.

2.2. Blob detection

3. RESULTS

4. DISCUSSION

5. REFERENCES

[1] Authors, Year, Title, Journal, Volume, Pages.