# Submission to LOLA11 Challenge

A M-Net [1] based method is used for lung segmentation. The model is trained using in-house clinical routine data collected from pneumonia patients. References 1.

I try different loss function inside M-Net model. Here, boundary loss[2] has been used.

Besides, I also try different threshold to output predicted result.

[1]Mehta, Raghav, and Jayanthi Sivaswamy. "M-net: A convolutional neural network for deep brain structure segmentation." 2017 IEEE 14th International Symposium on Biomedical Imaging (ISBI 2017). IEEE, 2017.

[2] Kervadec, Hoel, et al. "Boundary loss for highly unbalanced segmentation." *arXiv preprint arXiv:1812.07032* (2018).