ATTENTION U-NET WITH MULTI-SCALED INPUTS AND MULTIPLE OUTPUTS

Based on the paper proposed by "**Nabila Abraham**" & "**Naimul Mefraz Khan**"

Report By: "**Sabih Waseem Khan**"

DICE SCORE FOR IMAGE SIZE = (240,240) ➔ 388/455 = 0.8527472527472527

DICE SCORE FOR IMAGE SIZE = (120,120) ➔ 390/455 = 0.8571428571428571

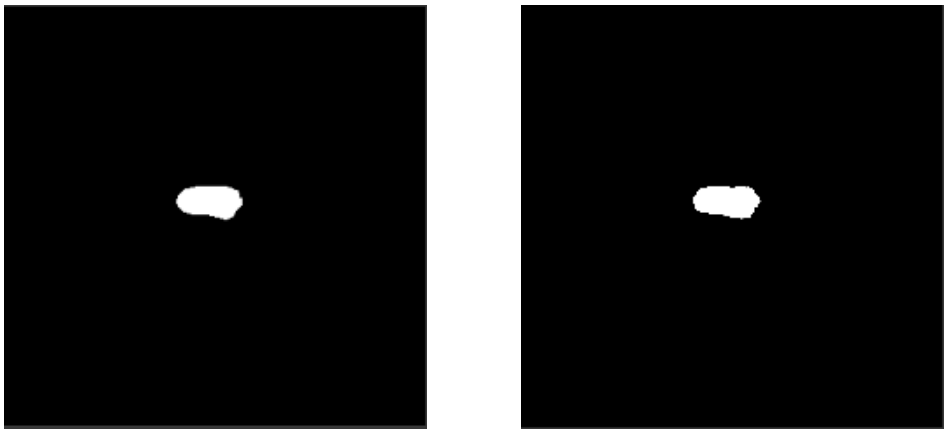
DICE SCORE FOR IMAGE SIZE = (60,60) ➔ 384/455 = 0.843956043956044

DICE SCORE FOR IMAGE SIZE = (30,30) ➔ 394/455 = 0.865934065934066

AVERAGE DICE FOR FOUR SIZES ➔ 0.854945054945055

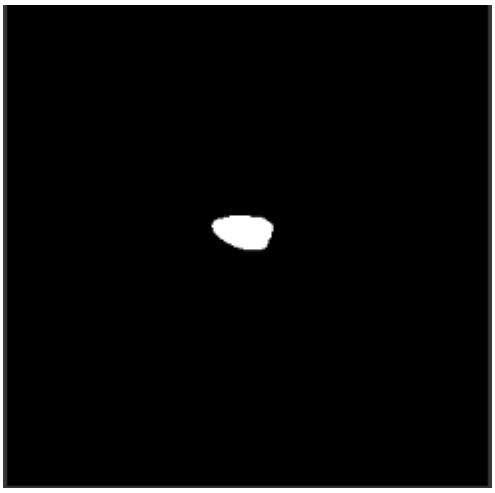
MINIMUM DICE: 0.003153139 (Left image: **label**, Right image: **predicted**)

MAXIMUM DICE: 0.9678872

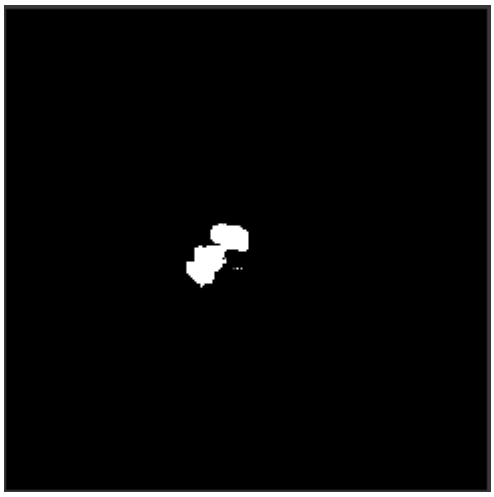


Large Segments:

1) Dice: 0.426 ~ 0

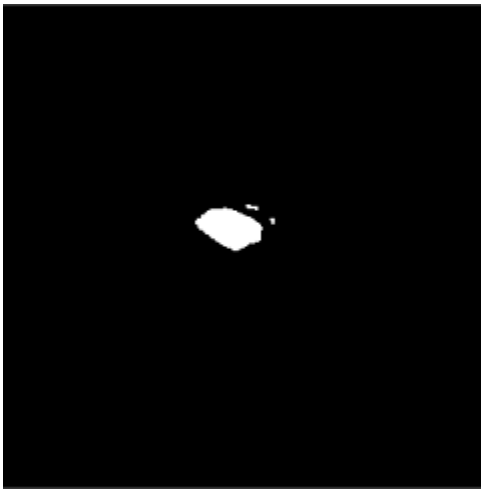


Label



Predicted

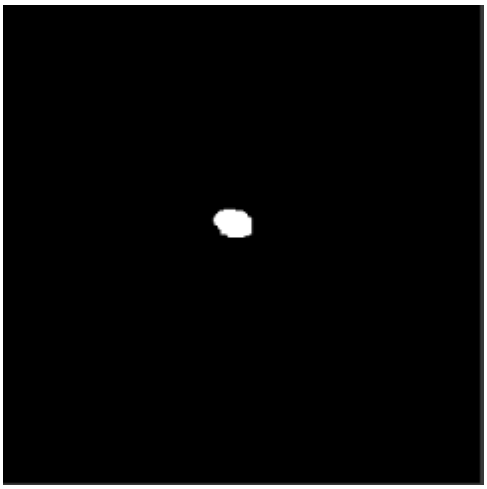
2) Dice: 0.82 ~ 1



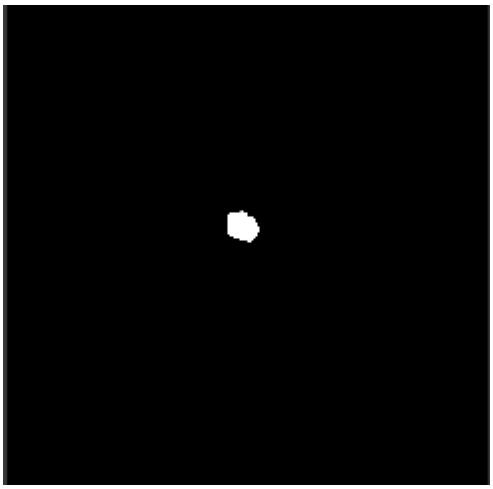
Label

Predicted

3) Dice: 0.84 ~ 1

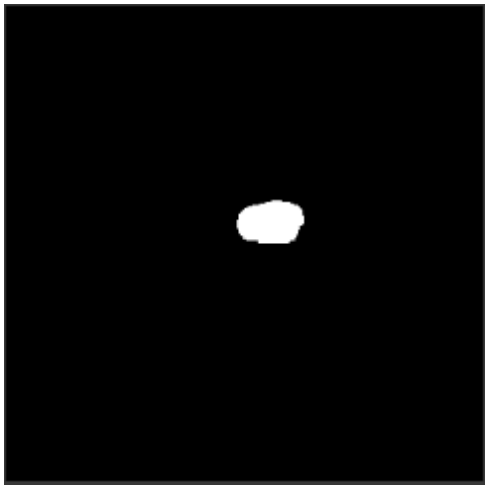


Label

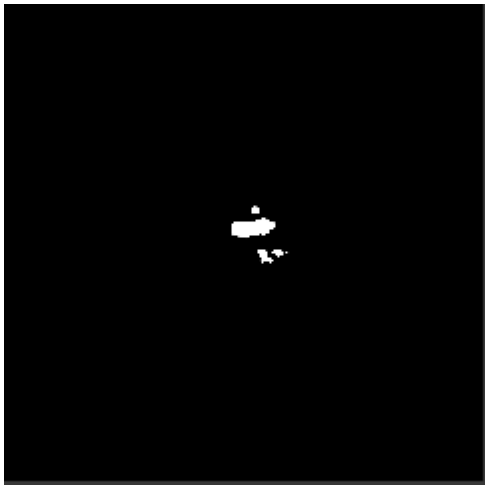


Predicted

4) Dice: 0.36 ~ 0



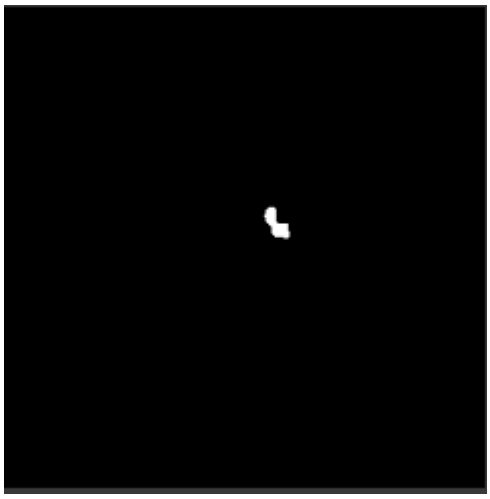
Label



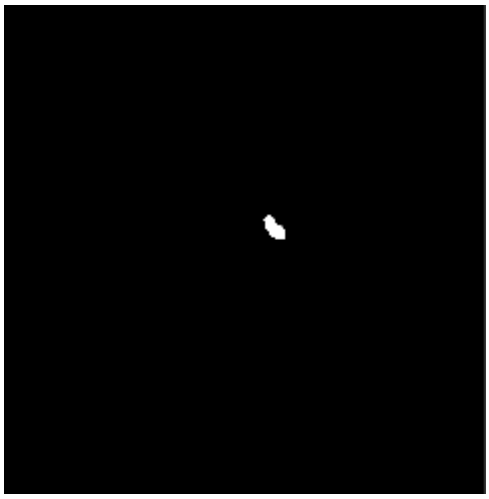
Predicted

Small Segments:

5) Dice: 0.77 ~ 1

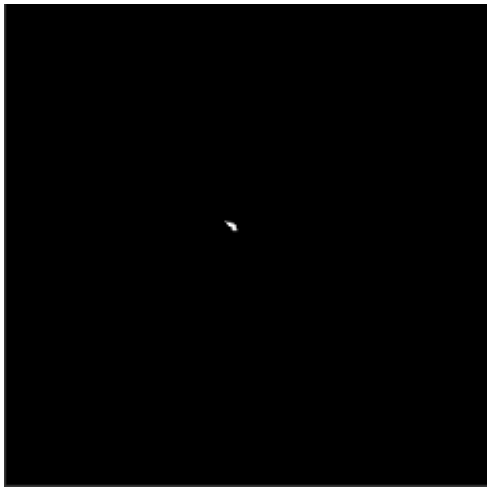


Label

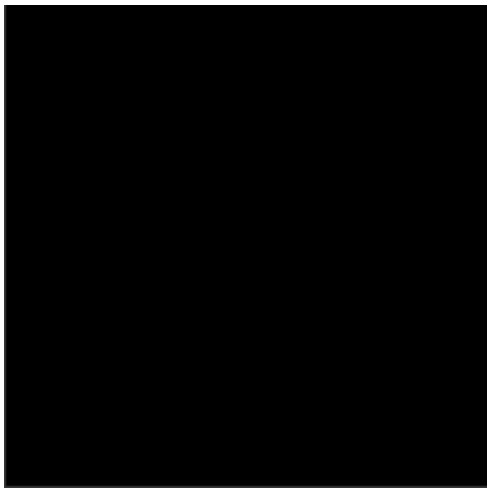


Predicted

6) Dice: 0.07 ~ 0

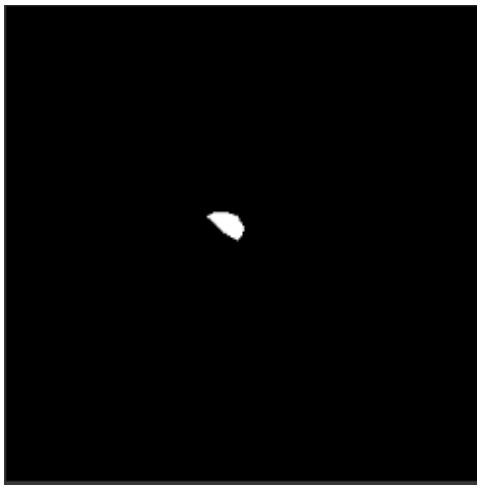


Label

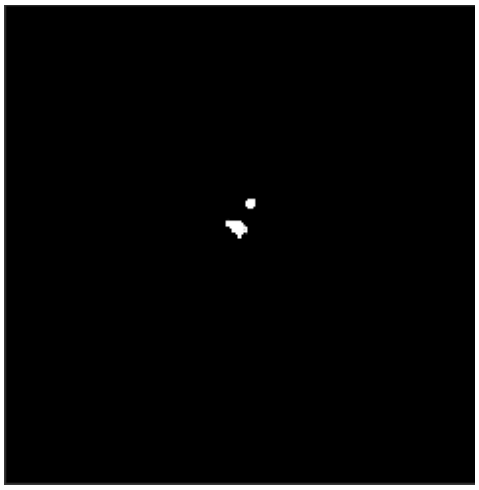


Predicted

7) Dice: 0.46 ~ 0

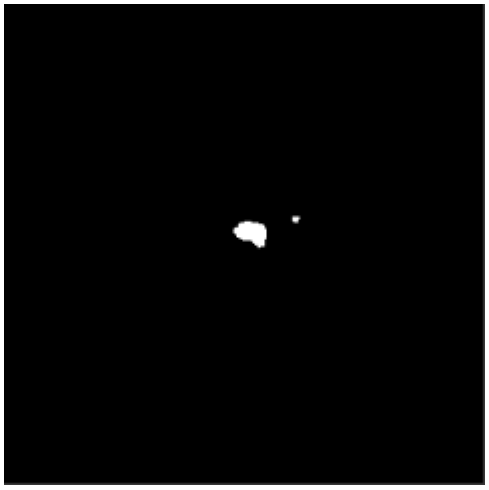


Label

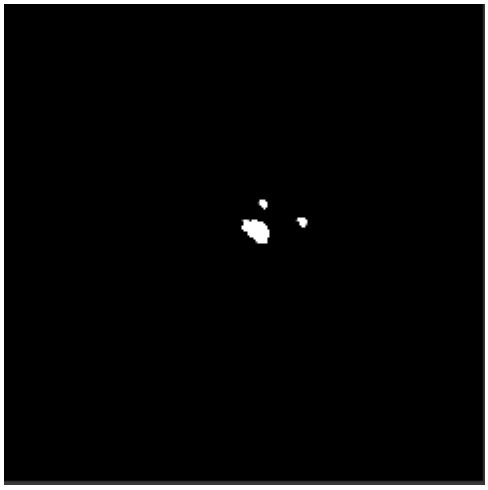


Predicted

8) Dice: 0.7 ~ 1



Label



Predicted

*all individual dice-scores shown are calculated for the image size (240,240).

*link to colab notebook

https://colab.research.google.com/drive/1kPf2L7L9FijPMnDIlvBmuTNNwwzk42yk