

Supplementary Table 2. Differences in the parameters and operating time of U-Net with various depths.

Architecture	Parameters	Infer Time(ms)	
		GPU	CPU
4 x 4 U-Net	13.40M	4.70±0.96	353.30±16.83
5 x 5 U-Net	53.52M	5.38±1.05	436.38±11.44
6 x 6 U-Net	213.97M	6.60±1.28	622.08±29.77

Note: The pytorch framework was used for training the DL networks. The parameters were provided by the built-in statistic model of pytorch.