Lin Li et al., 2020	- Specifically designed CNN called COVNet using ResNet50 as the backbone - 4356 chest CT exams from 6 hospitals (1296 COVID-19 CT exams. 1735 CAP and 1325 non-pneumonia CT exams) - Three classification(Non-Pneumonia, CAP, COVID-19)	AUC=0.96 $Sensitivity_{case\text{-}level}$ = 0.90 $Specifity_{case\text{-}level}$ = 0.96
González et al., 2020	- Segmented lung area using (FC)-DenseNet103 - Training: 247 chest posteroanterior (PA) radiographs and corresponding segmentation masks from the JSRT/SCR dataset; Validation: 138 chest PA radiographs and corresponding segmentation masks from the CXR dataset - Fine tune ResNet-18 pretrained on ImageNet dataset - 502 chest PA radiographs from 6 datasets(JSRT/SCR, NLM(MC), CoronaHack, NLM(MC), CoronaHack and Cohen et al) - Four classification(Normal, bacterial Tuberculosis COVID-19 and Viral)	$Sensitivity_{slice\text{-}level}$ = 0.925 $Specifity_{slice\text{-}level}$ = 0.964 [virus pneumonia (COVID-19 and non-COVID-19)]
Xi Ouyang et al., 2020	- VB-Net toolkit for lung segmentation - Two 3D ResNet34 network with uniform and sized balanced sampling strategies separately - Ensemble learning - Multi-center dataset: 2186 CT scans for training and validation; 2776 CT scans for test set	ACC=0.875 AUC=0.944 $Sensitivity_{case\text{-}level}$ = 0.869, $Specifity_{case\text{-}level}$ = 0.9
Hengyuan Kang et al., 2020	-V-Net for lung segmentation -189-dimension handcrafted features extracted from lesion areas - Complete and Structured Representation Learning - Fully connected neural network for classification - 2522 CT images(1495 COVID-19 and 1027 CAP)	ACC=0.955 $Sensitivity_{slice\text{-}level}$ = 0.966 $Specifity_{slice\text{-}level}$ = 0.932