

SUPPLEMENTARY MATERIAL

Computed tomography of interstitial lung disease in systemic sclerosis: dataset and deep learning model for pulmonary lesion segmentation

Amir M. Vahdani,¹ Aida Mohamadi,² Sepehr Nayebirad,³ Shayan Forghani,¹ Elaheh Karimi,¹
Yousef Vojgani,² Zahra Tamartash,² Mehrnaz Asadi,⁴ Leila Aghaghazvini,⁵
Farhad Gharibdoost,² Hoda Kavosi²

¹School of Medicine, Tehran University of Medical Sciences; ²Rheumatology Research Center, Tehran University of Medical Sciences; ³Tehran Heart Center, Cardiovascular Diseases Research Institute, Tehran University of Medical Sciences; ⁴Department of Pulmonary Medicine, Shariati Hospital, Tehran University of Medical Sciences; ⁵Department of Radiology, Shariati Hospital, Tehran University of Medical Sciences, Tehran, Iran

Correspondence: Hoda Kavosi, Rheumatology Research Center, Shariati Hospital, Kargar Ave, Tehran, 14117-13137, Iran. E-mail: h-kavosi@sina.tums.ac.ir

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Supplementary Table 1. Training configuration.

Hyperparameter	Configuration
Epochs	100
Learning rate	Cosine annealing LR schedule (initial LR: 2e-3)
Loss function	Focal Dice loss ($\lambda_{\text{focal}} = 0.5$, $\lambda_{\text{Dice}} = 1$, $\gamma = 2$)
Optimizer	AdamW with AMSgrad, $\beta_1 = 0.9$, $\beta_2 = 0.999$
Weight decay	1e-6
2	Batch size

Supplementary Table 2. Baseline data of the study population (n=40).

Variable	Value
Demographics	
Sex (male %)	10 %
Age	49.28±14.29 years
PFT metrics	
FEV ₁ /FVC	86.69±6.55 %
FEV ₁ (% predicted)	73.24±17.19 %

Continuous variables are written as mean ± standard deviation values. PFT, pulmonary function test; FEV₁, forced expiratory volume in one second; FVC, forced vital capacity.