

Table S1 The grading diagnostic effect (grade 0–4) of various network models used in the automatic radiological sacroiliitis grading system based on X-ray images in the validation set. The results show that the ConvNeXt-T network model had a significantly better diagnostic effect in the validation set than did the other network models

Model	ACC	AUC	SEN	SPE
ConvNeXt-T	0.74	0.92	0.76	0.89
Efficient-b0	0.66	0.9	0.65	0.93
Efficient-b3	0.66	0.91	0.65	0.91
Resnet34	0.66	0.9	0.65	0.91
ViT	0.62	0.85	0.61	0.90

ACC, accuracy; AUC, area under the curve; SEN, sensitivity; SPE, specificity.