

Supplementary Table 7. Individual and group analysis of average prediction times for AKI with AI assistance

Group	Average time in SET1 (non-assisted) (sec)	Average time in SET2 (AI-assisted) (sec)	Average time difference (sec)	p-value
Individual				
Specialist S1	64.8	48.0	16.8	<0.001
Specialist S2	60.9	53.2	7.7	0.03
Physician P1	59.6	71.4	-11.9	0.09
Physician P2	47.5	41.4	6.1	0.30
Physician P3	39.0	71.2	-32.1	<0.001
Physician P4	60.2	66.6	-6.4	0.24
Medical student M1	86.2	56.9	29.4	<0.001
Medical student M2	116.3	89.0	27.4	0.004
Medical student M3	131.7	114.7	17.0	0.05
Medical student M4	71.9	41.9	29.9	<0.001
Participant group				
Specialist	62.8	50.6	12.3	<0.001
Physician	51.6	62.6	-11.1	<0.001
Medical student	101.5	75.6	25.9	<0.001
Model prediction				
AKI occurrence	74.2	68.3	5.9	0.04
No AKI occurrence	73.4	62.1	11.3	<0.001
No prediction	60.4	53.6	6.9	0.03
Overall				
Overall	73.8	65.4	8.4	<0.001

AI, artificial intelligence; AKI, acute kidney injury.