

AI for radiographic COVID-19 detection selects shortcuts over signal.

June 16, 2021

DeGrave AJ, Janizek JD, Lee S-I. AI for radiographic COVID-19 detection selects shortcuts over signal.

Nat Mach Intell. 2021;3:610–619. doi:10.1038/s42256-021-00338-7.

<https://psnet.ahrq.gov/issue/ai-radiographic-covid-19-detection-selects-shortcuts-over-signal>

Artificial intelligence (AI) systems can support [diagnostic](#) decision-making. This study evaluates diagnostic “shortcuts” learned by AI systems in detecting COVID-19 in chest radiographs. Results reveal a need for better training [data](#), improved choice in the prediction task, and external [validation](#) of the AI system prior to dissemination and implementations in different hospitals.