AI allows automated scoring of psoriasis area, severity
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The researchers found that for the trunk region, the ICCs between the CNN and real-life scores were 0.616, 0.580, 0.580, and 0.793 for erythema, desquamation, induration, and area, respectively; similar results were seen for the leg and arm regions. For image-based PASI scoring of the trunk regions, five PASI-trained physicians were in moderate-to-good agreement with each other (ICCs, 0.706 to 0.793). Compared with image-based scoring by physicians, ICCs between the CNN and real-life scores were slightly higher for erythema (0.616 versus 0.558), induration (0.580 versus 0.573), and area scoring (0.793 versus 0.694); on desquamation scoring, physicians slightly outperformed the CNN (0.580 versus 0.589).

"In the future, automated PASI scoring could enable objective and efficient PASI scoring in (remote) clinical practice and clinical research," the authors write.

Several authors disclosed financial ties to the biopharmaceutical and medical technology industries.

More information: Abstract/Full Text

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