Intra- and inter-rater reliability analyses demonstrate that the GPPGA is a reproducible and reliable method for physician assessment of GPP severity, supporting its use as an endpoint in clinical trials.

**METHODS**

**GPPGA severity scoring**

<table>
<thead>
<tr>
<th>Erythema</th>
<th>Pustules</th>
<th>Scaling</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 (clear)</td>
<td>No visible pustules</td>
<td>No scaling or crusting</td>
</tr>
<tr>
<td>1 (almost clear)</td>
<td>Faint, diffuse pune, or slight red</td>
<td>Superficial focal scaling or crusting most or all lesions</td>
</tr>
<tr>
<td>2 (mild)</td>
<td>Light red</td>
<td>Mild scaling or crusting covering most of lesions</td>
</tr>
<tr>
<td>3 (moderate)</td>
<td>Bright red</td>
<td>Moderate scaling or crusting covering most or all lesions</td>
</tr>
<tr>
<td>4 (severe)</td>
<td>Deep fiery red</td>
<td>Severe scaling or crusting covering most or all lesions</td>
</tr>
</tbody>
</table>

**Score Erythema Pustules Scaling**

- 0 (clear) - 4 (severe)
- Erythema: 0 (clear) - 4 (deep fiery red)
- Pustules: 0 (clear) - 4 (very-high-density pustules with some hyperpigmentation)
- Scaling: 0 (clear) - 4 (superficial focal scaling)

**RESULTS**

**Intra-rater reliability of the GPPGA among dermatologists**

- Excellent ICC = 0.99 (0.96–1.00)
- Good ICC = 0.87–0.99
- Fair ICC = 0.75–0.86
- Poor ICC = 0.40–0.74

**Intra-rater reliability of the GPPGA among expert raters**

- Excellent ICC = 0.97 (0.94–1.00)
- Good ICC = 0.87–0.96
- Fair ICC = 0.75–0.86
- Poor ICC = 0.40–0.74

**RESULTS**

### Study methodology

**Online assessment of GPP severity**

- 16 photos from 14 patients in the Effisayil 1 trial were selected to represent the full spectrum of GPP severity.
- Erythema: 0.39–2.55
- Pustules: 1.24–2.91
- Scaling: 1.32–2.65

**Analysis of intra- and inter-rater reliability**

- Score 1: 0.60–0.74 (good)
- Score 2: 0.75–1.00 (excellent)

**RESULTS**

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- Good ICC = 0.87–0.99
- Fair ICC = 0.75–0.86
- Poor ICC = 0.40–0.74

**METHODS**

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**REFERENCES**


**ABBREVIATIONS**

GPP: Generalized Pustular Psoriasis; GPPGA: Generalized Pustular Psoriasis Physician Global Assessment; ICC: Intraclass correlation coefficient; SD: Standard deviation; CI: Confidence interval; MT: Motor Technology; KCD: Knowledge and Communication Development.