**INTRODUCTION**

- JAG DOPS are competence assessment tools in adult endoscopy.
- In July 2016, JAG introduced a series of changes in the existing DOPS:
  1. Scoring shifted from a competence-based to supervision-based scale
  2. Addition of Endoscopic Non technical Skills (ENTS) domain
  3. Refinement in DOPS items & descriptors
  4. New DOPS including those for paediatric endoscopy
- These changes have shown to improve the validity of DOPS scores in adult endoscopy.\(^1\)
- Paediatric DOPS were introduced in 2016 but lack validity data.

**Aims**

- To correlate overall competence rating with components of the Paediatric OGD DOPS (item/domain/skill set)
- To identify whether ENTS scores correlate stronger with technical vs. cognitive skill set items
- To correlate scores with trainee experience

**Methods**

- Paediatric OGD DOPS submitted on JETS Aug 16-17 were reviewed.
- Trainee grade, lifetime procedure count, trainer role and assessment data were collected.
- Scores were averaged for each domain (pre-procedural, procedural, post-procedural and ENTS).
- Each item (except ENTS) was grouped into cognitive and technical skill sets by 2 investigators, and adjudicated by a third.
- Correlation analyses (item/ average domain/ average skillset/overall score) using Spearman’s test.

**Results**

**Correlations by skillset**

<table>
<thead>
<tr>
<th>Domain</th>
<th>Overall</th>
<th>Technical</th>
<th>Cognitive</th>
<th>ENTS</th>
<th>P-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall</td>
<td>0.860*</td>
<td>0.789*</td>
<td>0.773*</td>
<td></td>
<td>&lt;0.001*</td>
</tr>
<tr>
<td>Technical</td>
<td></td>
<td>0.875*</td>
<td>0.814*</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cognitive</td>
<td></td>
<td></td>
<td>0.852*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Association between lifetime procedure count and DOPS scores**

**Conclusion**

- Competencies in Paediatric OGD, as assessed with new DOPS, vary in their correlation with overall competence.
- DOPS performance correlate with experience and lifetime procedure count.
- As assessors are completing new DOPS in a consistent manner, this provides novel validity evidence for new Paediatric OGD DOPS.

**References**