



MP34-20

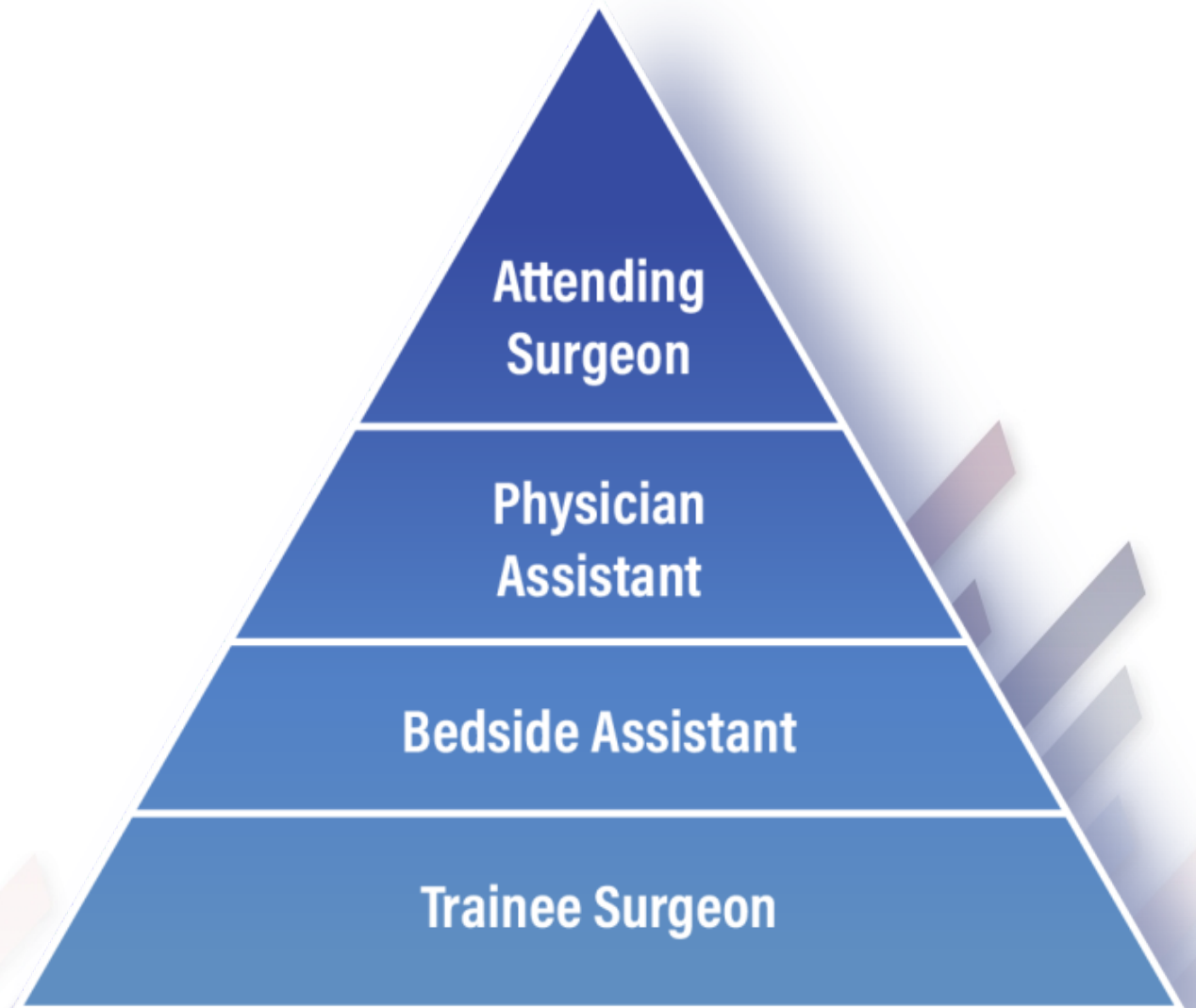
Influence of Hierarchy During Robot-Assisted Surgery

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Introduction and Methods

- How does the surgical team's affects hierarchical relationships risk utterances and situational awareness in the OR during RAS?
- Audio-visual recordings of 10 RARPs.
- All utterances were transcribed
- Situational awareness via Oxford NOTECHS, 2 raters



Results

- Overall 4,583 utterances: 7% risk related
 - 64% of risk utterances higher status to lower status ($p>0.05$).
- Utterances were significantly more reactive than proactive
- NOTECHS scores: Proactive > Reactive; higher situational awareness
- Surgeon on console more reactive, more proactive off the console
 - Higher NOTECHS score off-the-console.

Conclusion

On-console status, rather than the assumed hierarchical status, has the greatest influence on frequency, timing, and rating of risk utterances during RAS.