

Appendix B. MERSQI Domain and Item Scores for the 32 studies included in this scoping review on the perceptions of junior medical staff of the impact of the COVID-19 pandemic on their education and training

| Domain | MERSQI item | Score | Maximum domain score | Mean Item score (SD) | Mean domain score (SD) | Number of studies |
|--|---|-------|----------------------|----------------------|------------------------|-------------------|
| Study design | 1.Study design | | 3 | 1.09 (0.20) | 1.09 (0.20) | |
| | Single group cross-sectional or single group post-test only | 1 | | | | 23 |
| | Single group pre-test and post-test | 1.5 | | | | 5 |
| | Nonrandomised, 2 group | 2 | | | | 0 |
| | Randomised controlled trial | 3 | | | | 0 |
| Sampling | 2.Number of institutions studied | | 3 | 1.39 (0.32) | 2.18 (0.56) | |
| | 1 | 0.5 | | | | 4 |
| | 2 | 1 | | | | 0 |
| | >2 | 1.5 | | | | 24 |
| | 3.Response rate, % | | | 0.84 (0.41) | | |
| | Not applicable | | | | | |
| | <50 or not reported | 0.5 | | | | 15 |
| | 50-74 | 1 | | | | 7 |
| | > 75 | 1.5 | | | | 6 |
| Type of data | 4.Type of data | | 3 | 1.00 (0.00) | 1.00 (0.00) | |
| | Assessment by study participant | 1 | | | | 28 |
| | Objective measurement | 3 | | | | 0 |
| Validity of evaluation instrument | 5.Internal structure | | 3 | 0.00 (0.00) | 0.00 (0.00) | |
| | Not applicable | | | | | |
| | Not reported | 0 | | | | 28 |
| | Reported | 1 | | | | 0 |
| | 6.Content | | | 0.00 (0.00) | | |
| | Not applicable | | | | | |
| | Not reported | 0 | | | | 28 |
| Reported | 1 | | | | 0 | |
| | 7.Relationships to other variables | | | 0.00 (0.00) | | |

| | | | | | | |
|----------------------|---|-----|-----------|--------------------|-------------|----|
| | Not applicable | | | | | |
| | Not reported | 0 | | | | 28 |
| | Reported | 1 | | | | 0 |
| Data analysis | 8.Appropriateness of analysis | | 3 | 0.93 (0.26) | 2.93 (0.97) | |
| | Data analysis inappropriate for study design or type of data | 0 | | | | 2 |
| | Data analysis appropriate for study design and type of data | 1 | | | | 26 |
| | 9.Complexity of analysis | | | 1.39 (0.50) | | |
| | Descriptive analysis only | 1 | | | | 17 |
| | Beyond descriptive analysis | 2 | | | | 11 |
| Outcomes | 10.Outcomes | | 3 | 1.59 (0.41) | | |
| | Satisfaction, attitudes, perceptions, opinions, general facts | 1 | | | | 4 |
| | Knowledge, skills | 1.5 | | | | 17 |
| | Behaviours | 2 | | | | 6 |
| | Patient/health care outcome | 3 | | | | 1 |
| Total Score | | | 18 | 8.20 (1.02) | | |