### Online Supplementary Table 1: Characteristics associated with an increase in trainee confidence in their final diagnosis after dermatoscope use

|  | | **Confidence in using Dermatoscope** | | |
| --- | --- | --- | --- | --- |
| **Variable** | **Class** | **Confidence same decreased (n=92)** | **Confidence increased (n=114)** | **p** |
| Registrar gender | Male | 37 (40.2%) | 38 (33.3%) | 0.1793 |
|  | Female | 55 (59.8%) | 76 (66.7%) |  |
| Registrar FT or PT | Part-time | 14 (15.9%) | 20 (18.7%) | 0.4140 |
|  | Full-time | 74 (84.1%) | 87 (81.3%) |  |
| Training term/post | Term 1 | 29 (31.5%) | 30 (26.3%) | 0.7274 |
|  | Term 2 | 48 (52.2%) | 63 (55.3%) |  |
|  | Term 3 | 15 (16.3%) | 21 (18.4%) |  |
| Qualified as doctor in Australia | No | 21 (23.3%) | 32 (28.1%) | 0.5123 |
|  | Yes | 69 (76.7%) | 82 (71.9%) |  |
| Rurality | Major City | 18 (19.6%) | 21 (18.4%) | 0.9033 |
|  | Inner Regional | 31 (33.7%) | 41 (36.0%) |  |
|  | Outer Regional Remote | 43 (46.7%) | 52 (45.6%) |  |
| RTP | RTP 1 | 40 (43.5%) | 37 (32.5%) | 0.3475 |
|  | RTP 2 | 11 (12.0%) | 9 (7.9%) |  |
|  | RTP 3 | 21 (22.8%) | 34 (29.8%) |  |
|  | RTP 4 | 20 (21.7%) | 34 (29.8%) |  |
| Confident diagnosing pigmented skin lesions | Not at all confident, somewhat Confident | 50 (69.4%) | 54 (54.0%) | 0.1134 |
|  | Moderately, very confident | 22 (30.6%) | 46 (46.0%) |  |
| Confident interpreting dermatoscopic features of skin lesion | Not at all confident, somewhat Confident | 40 (58.8%) | 46 (46.5%) | 0.1789 |
|  | Moderately, very confident | 28 (41.2%) | 53 (53.5%) |  |
| Registrar age | mean (SD) | 33.0 (5.0) | 33.8 (7.2) | 0.5622 |
| SEIFA\* Index | mean (SD) | 4.4 (2.2) | 5.1 (2.5) | 0.1435 |

**\***Socioeconomic Index for Area (SEIFA) Relative Index of Disadvantage

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### Online Supplementary Table 2: Associations of an increase in trainee confidence in their final diagnosis after using a dermatoscope

|  | | **Univariate** | | **Adjusted** | |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **Class** | **OR (95% CI)** | **P** | **OR (95% CI)** | **P** |
| Confident interpreting dermatoscopic features of skin lesion | Moderately, very confident | 0.60 (0.29, 1.26) | 0.1789 | 0.80 (0.27, 2.33) | 0.6816 |
| Confident diagnosing pigmented skin lesions | Moderately, very confident | 0.54 (0.25, 1.16) | 0.1135 | 0.72 (0.24, 2.18) | 0.5642 |
| SEIFA\* Index |  | 0.90 (0.78, 1.04) | 0.1435 | 0.91 (0.78, 1.06) | 0.2165 |

**\***Socioeconomic Index for Area (SEIFA) Relative Index of Disadvantage