## Supplementary Table 1

| Question | Proportion answering Yes to the question | Proportion answering Yes to the question | Proportion answering Yes to the question |
|---|---|---|---|
| | Access to WSI | No access to WSI | P-value | Previous use of AI in pathology | No previous use of AI in pathology | P-value | Previous use of AI in dermatopathology | No previous use of AI in dermatopathology | P-value |
| AI is a topic that has become of interest for the pathology community. Were you already aware of this topic in pathology? | 585 (81.5%) | 87.1% 77.7% 0.001 | 93.1% 78.1% < 0.0001 | 91.1% 80.3% 0.020 |
| Have you read any medical publications regarding AI within dermatopathology? | 181 (25.2%) | 34.3% 19.5% < 0.0001 | 38.1% 21.5% < 0.0001 | 59.5% 21.0% < 0.0001 |
| Have you used AI as a diagnostic aid in real life within pathology? | 160 (22.3%) | 31.8% 15.7% < 0.0001 | - - - - | 81.0% 15.0% < 0.0001 |
| Have you used AI as a diagnostic aid in real life within dermatopathology? | 79 (11.0%) | 18.9% 5.7% < 0.0001 | 40.0% 2.7% < 0.0001 | - - - - |

| Question | Proportion with Good or excellent knowledge | Proportion with Good or excellent knowledge | Proportion with Good or excellent knowledge |
|---|---|---|---|
| | Access to WSI | No access to WSI | P-value | Previous use of AI in pathology | No previous use of AI in pathology | P-value | Previous use of AI in dermatopathology | No previous use of AI in dermatopathology | P-value |
| Which degree of knowledge would you say you have when it comes to AI within pathology? | 135 (18.8%) | 28.2% 12.1% < 0.0001 | 31.3% 15.2% < 0.0001 | 45.6% 15.5% < 0.0001 |

Abbreviations: AI, artificial intelligence; WSI, whole slide imaging.
### Supplementary Table 2

| Question                                                                 | Agree or strongly agree | Proportion that agree or strongly agree to the question | Proportion that agree or strongly agree to the question | Proportion that agree or strongly agree to the question | Proportion that agree or strongly agree to the question | P-value |
|-------------------------------------------------------------------------|-------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------|---------|
| AI will revolutionize Medicine in general.                              | 534 (74.4%)             | 76.3%                                                  | 81.0%                                                  | 74.3%                                                  | 81.6%                                                  | 75.1%   | 0.26 |
| AI will revolutionize dermatopathology.                                 | 435 (60.6%)             | 59.3%                                                  | 67.7%                                                  | 61.0%                                                  | 74.7%                                                  | 61.0%   | 0.023|
| AI will revolutionize dermatopathology more than other subfields within pathology. | 133 (18.5%)             | 20.0%                                                  | 23.7%                                                  | 18.5%                                                  | 42.7%                                                  | 16.8%   | < 0.0001|
| In the foreseeable future all physicians will be replaced by AI.       | 43 (6.0%)               | 7.2%                                                   | 12.9%                                                  | 4.2%                                                   | 27.0%                                                  | 3.6%    | < 0.0001|
| The human pathologist will be replaced by AI in the foreseeable future. | 44 (6.1%)               | 6.2%                                                   | 11.0%                                                  | 5.0%                                                   | 23.0%                                                  | 4.3%    | < 0.0001|
| A development with an increased use of AI in dermatopathology frightens me. | 116 (16.2%)             | 14.6%                                                  | 16.3%                                                  | 16.1%                                                  | 21.5%                                                  | 15.5%   | 0.19 |
| A development with an increased use of AI in dermatopathology makes dermatopathology more exciting to me. | 427 (59.5%)             | 57.1%                                                  | 64.4%                                                  | 58.1%                                                  | 69.6%                                                  | 58.2%   | 0.053|
| A development with an increased use of AI makes medicine in general more exciting to me. | 464 (64.6%)             | 62.9%                                                  | 66.3%                                                  | 64.2%                                                  | 75.9%                                                  | 63.2%   | 0.025|
| AI will improve dermatopathology                                        | 519 (72.3%)             | 75.6%                                                  | 77.9%                                                  | 74.9%                                                  | 86.3%                                                  | 74.3%   | 0.022|
### Attitudes Towards AI Within Dermatopathology

| Statement                                                                 | N    | Percentage (Mean ± SD) | p-value |
|---------------------------------------------------------------------------|------|------------------------|---------|
| AI will improve medicine in general.                                      | 580  | 84.1% ± 83.2%          | 0.83    |
| AI should be part of medical training.                                   | 604  | 84.4% ± 87.8%          | 0.21    |
| I consider myself well-informed about the use of modern technology,     | 534  | 81.8% ± 68.9%          | 0.0001  |
| especially computers.                                                    |      | 79.4% ± 72.9%          | 0.12    |
|                                                                          |      | 79.7% ± 73.7%          | 0.28    |

Abbreviations: AI, artificial intelligence; WSI, whole slide imaging