

Appendix 1. Data analysis conducted with SPSS version 24

| Group Statistics          |             |    |       |                |                 |
|---------------------------|-------------|----|-------|----------------|-----------------|
|                           | group       | N  | Mean  | Std. Deviation | Std. Error Mean |
| ENT interest              | Before exam | 16 | 5.494 | 2.1230         | .5308           |
|                           | After exam  | 15 | 6.113 | 2.1334         | .5508           |
| ENT knowledge             | Before exam | 16 | 3.881 | 1.5398         | .3849           |
|                           | After exam  | 15 | 6.407 | 1.5457         | .3991           |
| Plastic surgery interest  | Before exam | 16 | 4.637 | 2.5783         | .6446           |
|                           | After exam  | 15 | 4.920 | 2.0512         | .5296           |
| Plastic surgery knowledge | Before exam | 16 | 1.800 | 1.3266         | .3317           |
|                           | After exam  | 15 | 4.940 | 1.9838         | .5122           |
| Ophthalmology interest    | Before exam | 16 | 5.394 | 2.6624         | .6656           |
|                           | After exam  | 15 | 5.693 | 2.0440         | .5278           |
| Ophthalmology knowledge   | Before exam | 16 | 4.025 | 2.1980         | .5495           |
|                           | After exam  | 15 | 5.667 | 1.7220         | .4446           |
| Dermatology interest      | Before exam | 16 | 4.238 | 2.6475         | .6619           |
|                           | After exam  | 15 | 5.393 | 2.2053         | .5694           |
| Dermatology knowledge     | Before exam | 16 | 4.138 | 2.3298         | .5824           |
|                           | After exam  | 15 | 6.067 | 1.5578         | .4022           |

# Independent Samples Test

|                           |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |        |                 |                 |                       |                                           |         |
|---------------------------|-----------------------------|-----------------------------------------|------|------------------------------|--------|-----------------|-----------------|-----------------------|-------------------------------------------|---------|
|                           |                             | F                                       | Sig. | t                            | df     | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |         |
|                           |                             |                                         |      |                              |        |                 |                 |                       | Lower                                     | Upper   |
| ENT interest              | Equal variances assumed     | .016                                    | .901 | -.810                        | 29     | .424            | -.6196          | .7648                 | -2.1838                                   | .9446   |
|                           | Equal variances not assumed |                                         |      | -.810                        | 28.852 | .425            | -.6196          | .7649                 | -2.1844                                   | .9452   |
| ENT knowledge             | Equal variances assumed     | .006                                    | .937 | -4.555                       | 29     | .000            | -2.5254         | .5544                 | -3.6593                                   | -1.3915 |
|                           | Equal variances not assumed |                                         |      | -4.554                       | 28.856 | .000            | -2.5254         | .5545                 | -3.6597                                   | -1.3911 |
| Plastic surgery interest  | Equal variances assumed     | .848                                    | .365 | -.336                        | 29     | .739            | -.2825          | .8405                 | -2.0016                                   | 1.4366  |
|                           | Equal variances not assumed |                                         |      | -.339                        | 28.280 | .737            | -.2825          | .8343                 | -1.9906                                   | 1.4256  |
| Plastic surgery knowledge | Equal variances assumed     | .539                                    | .469 | -5.212                       | 29     | .000            | -3.1400         | .6025                 | -4.3722                                   | -1.9078 |
|                           | Equal variances not assumed |                                         |      | -5.146                       | 24.226 | .000            | -3.1400         | .6102                 | -4.3988                                   | -1.8812 |
| Ophthalmology interest    | Equal variances assumed     | .952                                    | .337 | -.350                        | 29     | .729            | -.2996          | .8568                 | -2.0519                                   | 1.4528  |
|                           | Equal variances not assumed |                                         |      | -.353                        | 27.952 | .727            | -.2996          | .8494                 | -2.0397                                   | 1.4406  |
| Ophthalmology knowledge   | Equal variances assumed     | 1.535                                   | .225 | -2.304                       | 29     | .029            | -1.6417         | .7125                 | -3.0989                                   | -.1844  |
|                           | Equal variances not assumed |                                         |      | -2.323                       | 28.145 | .028            | -1.6417         | .7069                 | -3.0893                                   | -.1941  |
| Dermatology interest      | Equal variances assumed     | .218                                    | .644 | -1.316                       | 29     | .199            | -1.1558         | .8784                 | -2.9523                                   | .6407   |
|                           | Equal variances not assumed |                                         |      | -1.324                       | 28.622 | .196            | -1.1558         | .8731                 | -2.9426                                   | .6309   |
| Dermatology knowledge     | Equal variances assumed     | 15.029                                  | .001 | -2.691                       | 29     | .012            | -1.9292         | .7169                 | -3.3954                                   | -.4629  |
|                           | Equal variances not assumed |                                         |      | -2.725                       | 26.308 | .011            | -1.9292         | .7078                 | -3.3833                                   | -.4750  |