Study design- statistical methods/analysis

Power calculations for sample size.

To find a 5% absolute difference between the performances of laryngoscopy blades we calculated that the sample size to adequately power our study was as calculated in following table.

|  |  |  |
| --- | --- | --- |
| P0 | P1 | N |
| 80% | 85% | 1860 |
| 85% | 90% | 1480 |
| 90% | 95% | 940 |

Table 2. Sample size calculation for alpha=0.05 and beta=0.2

|  |  |  |
| --- | --- | --- |
| P0 | P1 | N |
| 80% | 85% | 2480 |
| 85% | 90% | 1940 |
| 90% | 95% | 1240 |

Table 3. Sample size calculation for alpha=0.05 and beta=0.1