|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Appendix Table 5.** Results of the sensitivity analysis per 1,000 Barrett’s esophagus patients incorporating the US costs in the model | | | | | | | | | | | | |
| 1. **Cohort of 60-year-old patients with BE** | | | | | | | | | | | | |
| Strategy | Dutch guideline | | Intensive for NDBE and LGD1 | | Intensive for NDBE1 | | Intensive for LGD1 | | Very intensive for NDBE and LGD1 | | Very intensive for NDBE | |
| Prevented EAC cases (>T1A) | 59 | 69 | | +10 | 66 | +7 | 61 | +2 | 76 | +17 | 72 | +13 |
| Prevented EAC deaths | 51 | 56 | | +5 | 55 | +4 | 52 | +1 | 60 | +9 | 58 | +7 |
| Endoscopies | 6,603 | 9,734 | | +3,131 | 8,841 | +2,238 | 7,237 | +634 | 15,163 | +8,560 | 13,757 | +7,154 |
| Initial EET | 176 | 235 | | +59 | 202 | +26 | 201 | +25 | 278 | +102 | 232 | +56 |
| EET touch-ups | 99 | 129 | | +29 | 112 | +12 | 112 | +13 | 151 | +52 | 127 | +28 |
| Esophagectomy | 20 | 21 | | +1 | 21 | +2 | 19 | -1 | 22 | +2 | 23 | +3 |
| Complications | 24 | 32 | | +8 | 28 | +4 | 27 | +3 | 40 | +16 | 34 | +10 |
| Net cost ($m)2 | 1.8 | 3.0 | | +1.3 | 2.6 | +0.9 | 2.1 | +0.3 | 5.8 | +4.0 | 5.1 | +3.4 |
| LYs gained2 | 2.0 | 3.5 | | +1.5 | 3.0 | +1.0 | 2.4 | +0.4 | 6.6 | +4.6 | 5.8 | +3.8 |
| QALYs gained2 | 311.6 | 339.6 | | +28.0 | 334.1 | +22.5 | 313.6 | +2.1 | 359.2 | +47.6 | 349.4 | +37.9 |
| Incremental cost ($) per QALY3 | N.A. | | 43,275 | |  | 34,937 | 218,054 | | 83,621 | |  | 86,191 |
| ICER: incremental cost-effectiveness ratio, BE: Barrett’s esophagus, EAC: esophageal adenocarcinoma, HGD: high-grade dysplasia, LGD: low-grade dysplasia, LY: life year, m:million, ND: non-dysplastic, QALY: quality-adjusted life year, EET: endoscopic eradication therapy   1. Difference of the results of these strategies and Dutch guideline strategy before rounding are presented in the second column. 2. All discounted at annual rate of 3%. 3. Compared to the Dutch guideline strategy. | | | | | | | | | | | | |