

**Supplementary table 1 – Sensitivity analysis including endoscopists present during only one of the two training sessions.**

|  | <b>Untrained endoscopists<br/>(control group)</b> | <b>Trained endoscopists,<br/>attended both training<br/>sessions</b> | <b>Trained endoscopists,<br/>attended only one training<br/>session</b> |
|--|---|--|---|
| <b>Number of endoscopists</b>                      | 100   | 17   | 11  |
| <b>Number of colonoscopies</b>                     |   |  |   |
| Baseline   | 6,069   | 928  | 349   |
| Post-training *                                    | 44,967  | 10,377   | 3464  |
| <b>Baseline PSPDR</b>                              | 9.3% (8.6-10%)                                    | 9.3% (7.4-11%)   | 10.6% (7.6-14%)   |
| <b>Post-training PSPDR*</b>                        | 10.2% (10.0-10.5%)                                | 13.8% (13.2-14.5)  | 12.8% (12-14%)  |
| <b>OR for detection of <math>\geq 1</math> PSP</b> | 1.00 (reference)                                  | 1.49 (1.08-2.06)   | 1.37 (0.91-2.06)  |

\*This represents colonoscopies performed in 2015 onwards (control endoscopists), or colonoscopies performed after first attended training session.