**Table S1** Sensitivity analysis of final angle size of external (EAS) and internal anal sphincter (IAS) defect and Starck score, assessed on 3D-endoanal ultrasound (EAUS) and on 4D-transperineal ultrasound (TPUS) at rest and during maximal pelvic floor muscle contraction (PFMC)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **n=73** | **3D EAUS** | **4D TPUS (rest)** | **p-value\*** | **4D TPUS (maximal PFMC)** | **p-value\*** |
| **Median (IQR)** | **Median (IQR)** | **Median (IQR)** |
| **EAS angle**  | 30.95 (26.3-48.0) | 38.9 (22.7-57.5) | 0.43 | 35.2 (10.1-55.3) | 0.77 |
| **IAS angle**  | 105.0 (85.5-105.0) | 107.2 (28.1-107.2) | 0.75 | 65.24 (35.0-65.2) | 0.50 |
| **Starck Score** | 4 (3.0-12.0) | 5 (2.0-11.0) | 0.67 | 5 (2.0-11.0) | 0.56 |

\*Wilcoxon Signed Rank Test

IQR- Interquartile range

EAUS- Endoanal Ultrasound Scan

TPUS- Transperineal Ultrasound Scan

PFMC- Pelvic floor muscle contraction

EAS- External anal sphincter

IAS- Internal anal sphincter