

SUPPLEMENTARY MATERIAL

Search string

- For EUS-TTNB: (“Moray” OR “microbiops*” OR “TTNF” OR “TTNB” OR “microforceps” OR “micro-biops*” OR “micro-forceps” OR “*through-the-needle*”) AND (“pancrea*” OR “IPMN” OR “cyst*”)
- For EUS-nCLE: (“*CLE” OR “confocal laser endomicroscop*”) AND (“pancrea*” OR “IPMN” OR “cyst*”).

Table S1. Meta-regression of intervention, study design and quality, patient age and lesion size on effect size estimates

| | Effect size estimate | Lower 95% CI | Upper 95% CI | P |
|--|----------------------|--------------|--------------|---------|
| Diagnostic yield | | | | |
| Intervention | 0.1393 | 0.0740 | 0.2047 | <0.0001 |
| Study design | -0.0249 | -0.1209 | 0.0711 | 0.6110 |
| Quality | -0.0117 | -0.1078 | 0.0845 | 0.8119 |
| Lesion size | 0.0059 | -0.0032 | 0.0150 | 0.2053 |
| Safety | | | | |
| Intervention | -0.0426 | -0.1235 | 0.0383 | 0.3022 |
| Study design | -0.0131 | -0.0969 | 0.0707 | 0.7586 |
| Quality | 0.0310 | -0.0542 | 0.1162 | 0.4756 |
| Patient age | -0.0019 | -0.0122 | 0.0084 | 0.7221 |
| Lesion size | -0.0009 | -0.0103 | 0.0084 | 0.8462 |
| Concordance with surgical histology | | | | |
| Intervention | -0.1721 | -0.4406 | 0.0963 | 0.2089 |
| Study design | -0.0518 | -0.2438 | 0.1403 | 0.5973 |
| Quality | 0.1224 | -0.0641 | 0.3088 | 0.1983 |
| Patient age | 0.0152 | -0.0102 | 0.0406 | 0.2409 |
| Lesion size | -0.0150 | -0.0391 | 0.0091 | 0.2229 |
| Technical success | | | | |
| Intervention | 0.1173 | -0.0079 | 0.2424 | 0.0664 |
| Study design | -0.0120 | -0.1527 | 0.1287 | 0.8675 |
| Quality | -0.0628 | -0.2021 | 0.0765 | 0.3769 |
| Lesion size | 0.0084 | -0.0060 | 0.0228 | 0.2518 |

CI: Confidence interval