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| **Supplementary Table 1. Characteristics of Lesions Confirmed by Optical Colonoscopy and Histopathology** |
|
| **Segment** | **Histologic Type** | **Lesion size** | **Total** |
| 6–9 mm | ≥10 mm |
| Rectum | Carcinoma | 1 | 30 | 31 |
|  | Adenoma  | 37 | 17 | 54 |
|  | Nonadenomatous lesion | 14 | 5 | 19 |
| Sigmoid | Carcinoma | 4 | 22 | 26 |
|  | Adenoma  | 94 | 58 | 152 |
|  | Nonadenomatous lesion | 11 | 7 | 18 |
| Descending | Carcinoma | 0 | 5 | 5 |
|  | Adenoma  | 34 | 12 | 46 |
|  | Nonadenomatous lesion | 8 | 3 | 11 |
| Transverse | Carcinoma | 2 | 8 | 10 |
|  | Adenoma  | 63 | 30 | 93 |
|  | Nonadenomatous lesion | 6 | 4 | 10 |
| Ascending | Carcinoma | 0 | 13 | 13 |
|  | Adenoma  | 58 | 37 | 95 |
|  | Nonadenomatous lesion | 13 | 8 | 21 |
| Cecum | Carcinoma | 1 | 7 | 8 |
|  | Adenoma  | 16 | 9 | 25 |
|  | Nonadenomatous lesion | 7 | 6 | 13 |
| Total | Carcinoma | 8 | 85 | 93 |
|  | Adenoma  | 302 | 163 | 465 |
| 　 | Nonadenomatous lesion | 59 | 33 | 92 |

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| **Supplementary Table 2. Per-lesion Sensitivity based on Morphology in Detecting Cancers or Adenomas on CTC** |
|
| **Size of Cancer or adenoma** | **6–9 mm** | **≥10 mm** |
|  | **GI** | **RAD** | **GI** | **RAD** |
| Type 0–Ip (Pedunculate), total No. | 48 | 84 |
| True-positive results, No. | 43 | 40 | 76 | 75 |
| False-negative results, No. | 4 | 7 | 4 | 5 |
| C0 (CTC image not available), No. | 1 | 1 | 4 | 4 |
| Sensitivity (95% CI) | 0.91 (0.80–0.98) | 0.85 (0.72–0.94) | 0.95 (0.88–0.99) | 0.94 (0.86–0.98) |
| Type 0–Is (Sessile), total No. | 194 | 86 |
| True-positive results, No. | 151 | 129 | 77 | 73 |
| False-negative results, No. | 40 | 62 | 7 | 11 |
| C0 (CTC image not available), No. | 3 | 3 | 2 | 2 |
| Sensitivity (95% CI) | 0.79 (0.73–0.85) | 0.68 (0.60–0.74) | 0.92 (0.84–0.97) | 0.87 (0.78–0.93) |
| Type 0–IIa (Flat elevated), total No. | 68 | 48 |
| True-positive results, No. | 34 | 20 | 30 | 27 |
| False-negative results, No. | 28 | 42 | 14 | 17 |
| C0 (CTC image not available), No. | 6 | 6 | 4 | 4 |
| Sensitivity (95% CI) | 0.55 (0.42–0.68) | 0.32 (0.21–0.45) | 0.68 (0.52–0.81) | 0.61 (0.45–0.76) |
| Type 0–IIc (Flat depressed), total No. | 0 | 1 |
| True-positive results, No. | 0 | 0 | 1 | 1 |
| False-negative results, No. | 0 | 0 | 0 | 0 |
| C0 (CTC image not available), No. | 0 | 0 | 0 | 0 |
| Sensitivity (95% CI) | NA | NA | 1.0 (0.03–1.00) | 1.0 (0.03–1.00) |
| Type 1, total No. | 0 | 7 |
| True-positive results, No. | 0 | 0 | 7 | 7 |
| False-negative results, No. | 0 | 0 | 0 | 0 |
| C0 (CTC image not available), No. | 0 | 0 | 0 | 0 |
| Sensitivity (95% CI) | NA | NA | 1.0 (0.59–1.00) | 1.0 (0.59–1.00) |
| Type 2, total No. | 0 | 21 |
| True-positive results, No. | 0 | 0 | 21 | 21 |
| False-negative results, No. | 0 | 0 | 0 | 0 |
| C0 (CTC image not available), No. | 0 | 0 | 0 | 0 |
| Sensitivity (95% CI) | NA | NA | 1.0 (0.84–1.00) | 1.0 (0.84–1.00) |
| Type 3, total No. | 0 | 0 |
| True-positive results, No. | 0 | 0 | 0 | 0 |
| False-negative results, No. | 0 | 0 | 0 | 0 |
| C0 (CTC image not available), No. | 0 | 0 | 0 | 0 |
| Sensitivity (95% CI) | NA | NA | NA | NA |
| Type 4, total No. | 0 | 1 |
| True-positive results, No. | 0 | 0 | 1 | 1 |
| False-negative results, No. | 0 | 0 | 0 | 0 |
| C0 (CTC image not available), No. | 0 | 0 | 0 | 0 |
| Sensitivity (95% CI) | NA | NA | 1.0 (0.03–1.00) | 1.0 (0.03–1.00) |
| RAD, radiologists; GI, gastroenterologists; NA, not available; Type 0-Ip, 0-Is, 0-IIa, 0-IIc, Type 1, Type 2, Type 3, Type 3, Paris Endoscopic Classification.20 |