Appendix 1

Definitions of Key Performance Indicators

Key Performance Indicators

1. Cecal Intubation:
Proportion of successful cecal intubations divided by number of colonoscopies attempted. Adjustment for incomplete colonoscopies was not made due to inadequate bowel preparation or intent was not to perform a complete colonoscopy.

2. Proportion of Males With At Least One Polyp:
Proportion of males who had at least one polyp. Calculated for males ≥ 50 years having first time colonoscopy for any indication as denominator. Polyp detection does not require pathological verification.

3. Proportion of Females With At Least One Polyp:
Proportion of females who had at least one polyp. Calculated for females ≥ 50 years having first time colonoscopy for any indication as denominator. Polyp detection does not require pathological verification.

4. Bowel Preparation:
Excellent: No or minimal solid stool and only clear fluid requiring suction
Adequate: Collections of semi-solid debris that are cleared with washing or suction
Inadequate: Solid or semi-solid debris that cannot be cleared effectively

5. Patient Discomfort: (Modified Gloucester)
None: no discomfort - resting comfortably throughout procedure
Minimal: one or two episodes of mild discomfort, well tolerated
Mild: more than two episodes of discomfort, adequately tolerated
Moderate: significant discomfort, experienced several times during procedure
Severe: extreme discomfort, experienced frequently during the procedure

6. Withdrawal Time (when no lesions detected)
Withdrawal times (time from leaving the cecum until the colonoscope exits the anus) for completed colonoscopies (i.e. successful cecal intubation) when no polyps were detected.

ADDITIONAL Performance Indicators
**Polyp Detection per 100 Colonoscopies:**
Any polyp removed from all colonoscopies, irrespective of indication, is counted to include the total number of polyps. The total number of polyps divided by the total number of colonoscopies gives the mean number of polyps per colonoscopy and multiplied by 100 gives the total number per 100 colonoscopies.

**Sedation Level of Consciousness**
- Alert
- Sleepy but initiates conversation
- Responds only when asked or stimulated
- Unresponsive or only responds with pronounced stimulation

**Total Procedure Time:**
Time from insertion of the colonoscope until it is removed from the anus.

**Cancer Incidence:**
Cancers found at endoscopy (as per “predominant finding”) divided by number of colonoscopies performed.