

Bowel Cleansing

What are the options?

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- PEG (KleenPrep)
 - Macrogel 3350 (osmotic laxative)
 - Sodium sulphate, bicarbonate, chloride
 - Potassium chloride
- Sodium phosphate (Coloprep)

What are the options?

- Moviprep
 - Macrogel 3350
 - Sodium sulfate, chloride, ascorbate
 - Potassium chloride
 - Ascorbic acid
- Picoprep
 - Sodium picosulfate, magnesium, citrate

Splitting the preparation

- Split dose is best whether PEG or NaP
- *Bowel preparation should be given in split doses (half of the dose is given on the day of procedure)*

Why?

- Faecal clearing achieved either way
- But
 - Intestinal secretions
 - Chyme
 - Mucus
- Particularly in right side of colon

When?

- 2nd completed 3 hours before colonoscopy
- Smallest interval 2 hours (ASA sedation guidelines)
- Longest 6-8 hours

Adverse Events

- NaP
 - Toxic effects are mediated by systemic absorption of phosphate in excess of patients renal clearance capacity
 - Acute electrolyte disturbance
 - Hypocalcaemia (sequestration of calcium to mop up phosphate)
 - Acute phosphate nephropathy
 - Renal failure requiring dialysis

Adverse Events

- Patients at risk of electrolyte disorder/renal injury
 - Existing renal dysfunction
 - Hypertensive
 - ACE inhibitors
 - Angiotensin receptor blockers
 - NSAIDS

Diet

- Clear liquid diet the whole day before
- Light breakfast then clear liquid diet

- Split preparation
- PEG based safest
- Watch out for specific groups