**TABLE 3 – SUPPLEMENTAL DIGITAL CONTENT 3**

**Technique and methodology of plain abdominal x-ray scores for evaluating fecal impaction**

**BARR SCORE**

**Quantity of stool:**

* Ascending colon: 0, 1 or 2 points;
* Transverse colon: 0, 2 or 5 points;
* Descending colon: 0, 3, 4, or 5;
* Sigmoid and rectum: 0, 2 or 5 points;

**Quality of stools:**

* Scybalous or "rocky": 0, 1, 2 or 3 points
* Granular (0, 2, 4 or 5 points) feces

Score range between 0-25. Values >10 indicative of constipation

**BLETHYN SCORE**

* **Grade 0**: normal; feces in rectum and cecum only
* **Grade I**: mild; feces in rectum & cecum and discontinuous elsewhere:
* **Grade II**: moderate; feces in rectum & cecum, continuous (allowing for gas) affecting all segments,
* **Grade III** (severe; feces in rectum & cecum, continuous elsewhere, dilated colon and impacted rectum)

**LEECH SCORE**

**Location**

* Right colon,
* Left colon,
* Recto-sigmoid segment

**Fecal loading in each segment**

* 0=no feces visible
* 1=scanty feces visible,
* 2=mild fecal loading,
* 3=moderate fecal loading,
* 4=severe fecal loading
* 5=severe fecal loading with bowel dilatation),

A total score >8 indicative of constipation