



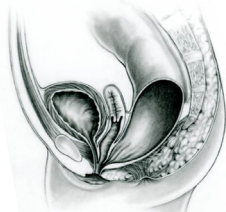
Children's Hospital Colorado  
International Center for  
Colorectal and Urogenital Care

# Bowel Functional Prognosis per Type of Anorectal Malformation

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1. Recto-perineal fistula: 100% chances of bowel control\*~



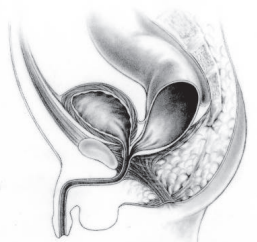
2. Recto-vestibular fistula: 95% chances of bowel control\*~



3. Recto-urethral bulbar fistula: 85% chances of bowel control\*~



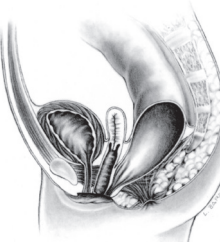
4. Imperforate anus without fistula: 80 – 90% chances of bowel control\*~^



5. Recto-urethral prostatic fistula: 65% chances of bowel control\*



6. Recto-bladderneck fistula: 15% chances of bowel control\*



7. Cloaca with common channel length less than 3 cm: 70% chances of bowel control\*

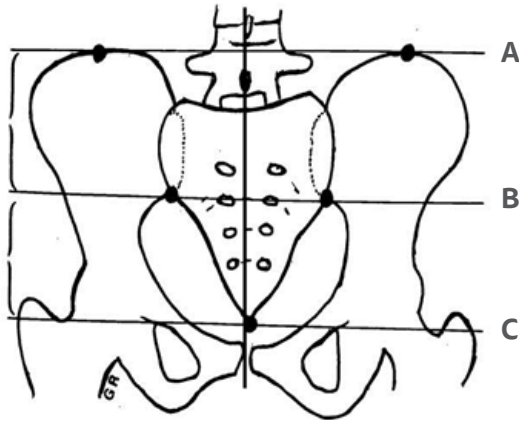
7. Cloaca with common channel length

\*Provided patients have a normal sacrum (Sacral Ratio > 0.7), no tethered cord, and that they receive a technically correct operation

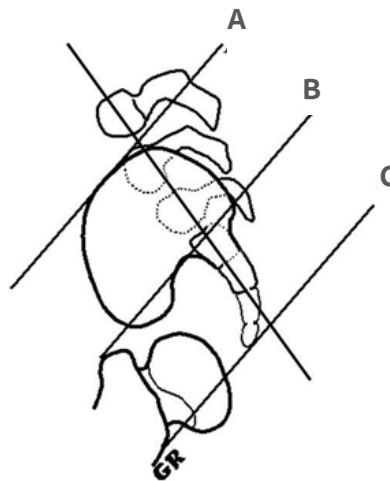
~Patients with good bowel functional prognosis are the ones who suffer from the most severe type of constipation

^High incidence of Trisomy 21.

## Anterior-Posterior



## Lateral



To calculate the sacral ratio divide:

$$\frac{BC}{AB}$$

A value that is equal or more than 0.7 represents good prognosis for bowel control.

Values between 0.41 – 0.69 are considered undetermined.

A value that is equal or less than 0.4 represents poor prognosis for bowel control (fecal incontinence).