

IMPROVED FAECAL CONTINENCE BY COLOSTOMY IRRIGATION IN A PIG MODEL

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The effect of different modifying irrigation techniques on colonic emptying time in a porcine model was investigated. The assessment included two different irrigation routes (antegrade and retrograde), three infusion regimens (tap water, polyethylene glycol and 1.5% glycine) and three pharmacological agents (glyceryl trinitrate, diltiazem and bisacodyl). Colonic transit was assessed by quantifying cumulative expelled markers (CEM) and stool every hour for 12 hours. The results were analysed statistically. They showed that antegrade irrigation, polyethylene glycol, glycine, bisacodyl and glyceryl trinitrate enhance colonic emptying.