

## Predicting outcome of severe ulcerative colitis

In severe UC, intravenous corticosteroids is the mainstay of treatment. Failure to respond can be predicted through objective measures. This was presented by Jakobovits and Travis in 2005, based on scores used by Lennard-Jones et al 1975 and Travis et al 1996.

Day of treatment	Predictive factors	Need for colectomy (%)	Failure of therapy (%)
Day 1	Stool frequency >9 Albumin <30 Heart rate >90	-	62
Day 3	Stool frequency >8 C-reactive protein >45	85	
Any day	Colonic diameter >5.5 cm Mucosal islands on abdominal x-ray	75	

ECCO algorithm:

<https://www.e-guide.ecco-ibd.eu/algorithm/acute-severe-colitis>

References: Jakobovits SL, and Travis SPL. Management of acute severe colitis, British Medical Bulletin 2005, Volume 75-76: 131-144. Travis SPL, Farrant JM, Ricketts C et al. Predicting outcome in severe ulcerative colitis. Gut 1996;38:905-10. Lennard-Jones JE, Ritchie JK, Hilder W et al. Assessment of severity in colitis: a preliminary study. Gut 1975;16:579-84.