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To study the efficacy, safety, and feasibility of a granulocyte adsorptive type apheresis system for the treatment of patients with chronically active ulcerative colitis despite standard therapy.

Current treatment of ulcerative colitis

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Jul 21, 2011 · van den Broek FJ, Fockens P, van Eeden S, Reitsma JB, Hardwick JC, Stokkers PC, Dekker E. Endoscopic tri-modal imaging for surveillance in ulcerative colitis: randomised comparison of high-resolution endoscopy and autofluorescence imaging for neoplasia detection; and evaluation of narrow-band imaging for classification of lesions. Gut.

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Ulcerative colitis (UC) is a disease with a less heterogeneous phenotype than Crohn disease (CD) but it still poses many unique challenges. The incidence of pediatric onset UC, which constitutes roughly 15% to 20% of all UC, ranges at 1 to 4/100,000/year in most North American and European regions (1). It is extensive in 60% to 80% of all cases, twice as often as in adults (2). Since disease extent has been consistently associated with disease severity, it is not surprising that children with UC more often requir...

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Manuscript NO: 61586

Manuscript Type: OPINION REVIEW

Use of granulocyte/monocytapheresis in ulcerative colitis: A practical review from a European perspective

Domènech E, *et al.* Practical review of GMA in UC

Abstract

Half of the patients with ulcerative colitis require at least one course of systemic corticosteroids in their lifetime. Approximately 75% of these patients will also require immunosuppressive drugs (i.e. thiopurines or biological agents) in the mid-term to avoid colectomy. Immunosuppressive drugs raise some concerns due to an increased risk of serious and opportunistic infections and cancer, particularly in elderly and comorbid patients, underlining the unmet need for safer alternative therapies.

Granulocyte/monocytapheresis (GMA) as a CE-modulated immunomodulatory procedure

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Leukocytapheresis in the treatment of inflammatory bowel ...

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Oct 01, 2010 · 1. Introduction. Inflammatory bowel diseases (IBD), ulcerative colitis (UC) and Crohn's disease (CD), are chronic inflammatory disorders of the gastrointestinal tract characterized by chronic relapsing course associated with local and systemic complications.

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