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Among the alternative therapies, a moderate-intensity **exercise** can benefit the health and well-being of IBD **patients** and improve both the healing of human IBD and experimental animal colitis. **Intestinal** alkaline phosphatase (IAP) plays an essential **role** in the maintenance of **intestinal** homeostasis **intestinal** and the mechanism of mucosal defence.

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[Gut microbiota role in irritable bowel syndrome: New ...](#)

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Feb 21, 2016 · Gut microbiota influences mucosal inflammation in **inflammatory bowel** disease (IBD) **patients**, i.e., ulcerative colitis (UC) and Crohn's disease. Animal-based studies emphasize the critical **role** of gut microbiota in the balance between immunosuppression and inflammation in the GI tract, involving Toll-Like Receptor (TLRs) signaling pathways[70].

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Wong CY. Stem cell therapy for kidney diseases

Chee-Yin Wong

Abstract

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Current advances of stem cell-based therapy for kidney diseases



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With self-renewal capabilities and great potential for proliferation and differentiation, stem cell therapy opens new avenues for the development of renal function and **structural repair** in kidney diseases. Mounting evidence suggests that stem cells exert a therapeutic effect mainly by replacing damaged tissues and paracrine pathways.

Author: Dongwei Liu, Fei Cheng, Shaokang Pan, Zhangsuo Liu

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Stem cell-based treatment of kidney diseases

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Abstract. Stem cells hold great promise in regenerative medicine. Pluripotent stem cells have been differentiated into kidney organoids to understand human kidney development and to dissect renal disease mechanisms. Meanwhile, recent studies have explored the treatment of kidney diseases using a variety of cells, including mesenchymal stem cells and renal derivatives.

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Author: Binbin Pan, Binbin Pan, Guoping Fan

Publish Year: 2020