Therapeutic and diagnostic uses of hormones in non endocrine patients

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Introduction:Inflammatory bowel disease (IBD) commonly refers to crohn’s disease and ulcerative colitis, which are chronic inflammatory disease of the gastrointestinal tract of unknown etiology. Crohn’s disease is an inflammatory bowel disorder that involves loss of immune tolerance in the gastrointestinal tract and T helper 1 delayed type hypersensitivity of the gut wall, frequently resulting in granuloma formation. Hematopoietic stem cell transplantation has been used to treat other autoimmune diseases including systemic sclerosis, rheumatoid arthritis, and multiple sclerosis, but recently the influence of stem cell transplantation on IBD is major interest. Recent case reports have raised the possibility that indications might be extended to inflammatory bowel disease.Discussion and results:The aim of this work was to collect knowledge about stem cells (properties, potency, classification, lineage ,plasticity…etc), IBD (pathophysiology,causes, diagnosis, drug therapy, recent trends of treatment…etc), stem cell transplantation (allogenic, autologous, methods…etc). then retrospective analysis of the course of 61 patients with crohn’s disease and ulcerative colitis who underwent allogenic and autologous stem cell transplantation for coincident malignancies after a median follow up of 18 months post transplant has been done. 50 patient entered in remission with no relapse after stopping immunosuppressives (81.96%) , 6 got relapsed (9.836%) and 5 died of other causes other than transplantation (8.197%).Conclusion and recommendations:Stem cell transplantation is thought to be a hopeful trend of treatment of inflammatory bowel disease . So it is recommended to proceed on larger number of patients with sever and moderate ulcerative colitis and crohn’s disease . Clinical trials should include long term follow up and provide more endoscopic and histologic indicators of remission and to be applied on Egyptian patients.