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Effect of mesenchymal stem cells alone or combined with berberine versus methotrexate in an experimental model of rheumatoid arthritis

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Relation and antipole in the treatment was given after 21 days of induction of Complete Freund's adjuvant (CFA) at day 0 and 21 as immunization boost dose. All the treatment was given after 21 days of induction of Complete Freund's adjuvant (CFA) at day 0 and 21 as immunization boost dose. All the treatment was given after 21 days of induction of RA for one month. At the end of the experiment blood samples were collected from all groups then animals sacrificed. Whole knee joints were excised and the speciment blood samples were processed for histological, immunohistochemical examination. Treatment with stem cells significantly reduced clinical symptoms and joint pathology. Interestingly, stem cells decreased periarticular and systemic bone loss in RA by maintaining trabecular bone structure more than the other groups.

Biography

Nashwa AM Mostafa has completed her PhD at the age of 35 years from Faculty of Medicine, Assiut University, Egypt and she had a postdoctoral fellowship from Bern University, Switzerland. She has published 15 papers in reputed journals and has been serving as an Editorial Board Member of repute. She is paying a major concern to basic researches that may lead to possible/definite improvement in health services and decreasing disabilities, morbidity, and mortality. Also, interested in stem cells and regenerative medicine.

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