Biomaterial and Regenerative Medicine Approaches to Restoration of Flexion in Lumbar Herniated Disc

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Objective: The systematic objective of this paper is to restore flexion in vertebral bone and to nourish the nucleus pulposus through the approach of biomaterial and regenerative medicine. Method: Studies were made on the treatment of lumbar herniated disc in CINAHL, PubMed, EMBASE, Cochrane Central Register of Controlled Trials (CENTRAL) and Cochrane Database of ...

Ruta graveolens Protects Against Isoniazid/Rifampicin-Induced Nephrotoxicity through Modulation of Oxidative Stress and Inflammation

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Background and Aim: Drug-induced nephrotoxicity is a renal dysfunction that arises as a result of exposure to nephrotoxic drugs. Anti-tuberculosis therapy can cause nephrotoxicity and permanent kidney damage. The current study was designed to evaluate the possible protective effects of Ruta graveolens L. leaves extract against isoniazid/rifampicin-induced nephrotoxicity ...

Optimization of Sintering Conditions for Improvement of Mechanical Property of a-Tricalcium Phosphate Blocks

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Bioactive ceramic materials have been under research as bone substitute for several decades. To repair the high-load bearing bones, mainly cortical bones, there is a need for the substitute to possess comparable mechanical strength to cortical bone, of which the compressive strength ranges between 100 and 230 MPa. Two prevailing bone repairing material, -tricalcium p ...
multiple tests ...