

2nd International Conference on

Cancer Molecular Targets and Therapeutics in Clinical Oncology

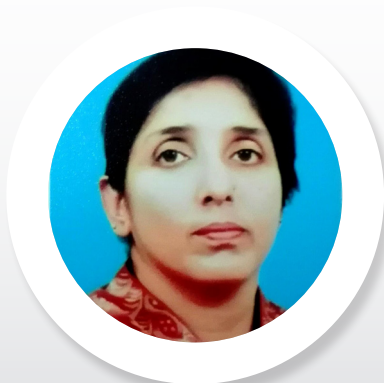
October 06-07, 2021 | Webinar

Adipose-derived stem cells and platelet-rich plasma: inputs for regenerative medicine in clinical trials

Regenerative medicine and tissue engineering have the aim of restoring function due to tissue damage or organ failure. This goal can be achieved either by stimulating endogenous stem cells or by providing exogenous stem cells along with growth factors. Among the different sources and types of stem cells, particular attention has been given to adipose tissue-derived mesenchymal stromal cells (ADSCs). The use of ADSCs as source of adult stem cells offers numerous advantages: the collection technique is easier and less invasive than with bone marrow; these stem cells show a high proliferative rate in vitro and are endowed with multi-differentiative capability and tissue repair properties. On the other hand, therapies implying the use of growth factors for tissue regeneration are widely based on platelets, these are nucleated cells, rich source of growth factors and are physiologically involved in hemostasis, wound healing and tissue repair. Platelet-rich plasma (PRP) is an autologous platelet concentrate with antibacterial and anti-inflammatory properties and a vehicle and source of growth factors. Due to these properties, PRP is increasingly used for regenerative medicine purposes, especially in the field of wound healing and osteoarthritis.

Biography

Dr. Rubina Ghani done MSc. & Ph.D. topic "Biochemical studies in the patients with hemoglobin Abnormalities" Teaching Experience: Baqai Medical University and joined as Assistant Professor in October 2005 and Resigned as Professor in December 2015, joined in 2016 Jinnah Medical & Dental College as Professor and Head of Department till now. Dadabhoy Institute for Higher Education in December 2015 as visiting faculty till now. Presented Poster on National/ International (20), Paper National/ International (60). Publication National/International (4), Under publication in international (accepted) 02. Workshops Attended: National/International (10). Workshops Arranged. National (09). HEC Approved supervisor 2014/2020 Under my supervision M.Phil 06 Ph. D 02, Visiting Supervisor Zaiuddin University & Hamdard University, BASR Member at Hamdard University (Eastern Medicine) Field of interest Inherited diseases, infectious diseases, and stem cell therapy.



Rubina Ghani

Jinnah medical & Dental College, Pakistan