

# ***PARALLEL SESSION 3: PAIN MANAGEMENT***

***TIME: 11:30 – 15:15***



14:45 - 15:00

**Pain - RIT in Chronic Shoulder Pain**

**Dr. Poupak Rahimzadeh (Iran)**

Professor of Anesthesiology

Department of anesthesiology and pain medicine

Hazrat Rasoul Medical Hospital, Tehran, Iran

## **Abstract:**

Regenerative Injection Therapy (RIT) has been found a great look in pain management modalities. Their potential application to pain management is being actively explored, and significant progress has been made in the last decade. They have been created to repair harmed or degenerated tissues in back, shoulder and knee joints that lead to chronic and inflammatory pain. Novel regenerative biomaterials have been outlined to consolidate biochemical and physical pro-regenerative prompts that expand the adequacy of regenerative treatments. Bioactive agents such as growth factors, erythropetin, platelet-rich plasma (PRP), stem cells, injectable scaffolds, exo-serum, orthokin and ... have shown promise in regenerative medicine due to their anti-inflammatory effects and the ability to activate the intrinsic regenerative pathways. RIT usually initially exhibits pro-inflammatory action, and as time elapses, there is a shift toward an anti-inflammatory effect. With its complex nature, the different mechanisms might have effects on improving and modulating all phases of tissue repair, including the inflammatory, proliferative, and remodeling phases of healing.