



***International Journal of Research and Development in Pharmacy and Life Sciences***

capsaicin and lidocaine [3]. Many people require treatment with more than one drug, but the correct choice of drugs, and the optimal sequence for their use, has been unclear.

#### **Mechanisms of neuropathic pain**

**Ectopic impulse generation and Central sensitization:** Pain is a physiological defense mechanism to prevent further injury to a living organism. The defense mechanisms include the pain signal transduction from the nociceptors-peripheral nervous system-spinal dorsal horns-thalamus-cortex and the pain control system from the cortex-periaqueductal grey matter-nucleus raphe magnus-spinal dorsal horn. In healthy situations, the pain signal transduction and the pain control system reach a balance and the subject recovers from the pain. However, any imbalance between the pain signal transduction and the pain control

MMPs play a critical role in inflammation through the







