## Editorial

104 Understanding of Molecular Pain Medicine: Genetic Basis of Variation in Pain Sensation and Analgesia Response  
*Mahsa Motavaf, Saeid Safari, Seyed Moayed Alavian*

## Research Articles

107 Effects of Clonidine Premedication Upon Postoperative Shivering and Recovery Time in Patients With and Without Opium Addiction After Elective Leg Fracture Surgeries  
*Morteza Jabbary Moghaddam, Davood Omni, Alireza Mirkeshti, Ali Dabbagh, Elham Memary, Afshaneh Sadeghi, Mehdi Yaseri*

111 Depth of Central Venous Catheterization by Intracardiac Electrocardiogram in Adults  
*Prerana N. Shah, Deepa Kane, Jithesh Appukutty*

115 Comparison of Fentanyl and Fentanyl Plus Lidocaine on Attenuation of Hemodynamic Responses to Tracheal Intubation in Controlled Hypertensive Patients Undergoing General Anesthesia  
*Valiallah Hassani, Gholamreza Movassaghi, Vahid Goodarzi, Saeid Safari*

119 The Effect of EMLA Cream on Patient-Controlled Analgesia with Remifentanil in ESWL Procedure: A Placebo-Controlled Randomized Study  
*Arzu Acar, Elvan Erhan, M. Nuri Deniz, Gulden Ugur*

123 Minimum Appropriate Dose of Lidocaine with a Fixed Dose of Sufentanil Epinephrine Used for Spinal Anesthesia in Caesarian Section  
*Parisa Golfam, Mitra Yari, Hamid Reza Bakhtiyari*

127 Comparison between the Effects of Ringer`s Lactate and Hydroxyethyl Starch on Hemodynamic Parameters after Spinal Anesthesia: A Randomized Clinical Trial  
*Mehdi Fathi, Farnad Imani, Marjan Joudi, Vahid Goodarzi*
Case Report

134 Transient Neuronal Injury Followed by Intravascular Injection During an Ultrasound Guided Stellate Ganglion Block

Hariharan Shankar, Swetha Simhan

Letter

138 Use of Vitamin C as Placebo in Anesthesiology

Masood Mohseni
Indexing Sources

Index Copernicus, Google Scholar, SID (Scientific International Database), ISC, Magtran, WHO-EMRO Index Medicus, IranMedex, DOAJ, KowsarLib