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Case Report:

**Low Dose Combined Neuraxial Blockade in a Patient of Ischemic Heart  
 Disease Undergoing Bipolar Hemiarthroplasty**


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**Abstract:**

Fracture of the neck of the femur is the most frequent reason for hospitalisation in the older population. It has always been difficult to manage anaesthesia in ischemic heart disease patients with low ejection fraction who are having non-cardiac surgery with the goal of keeping the myocardial oxygen supply above the demand to prevent ischemia. The patient's cardiovascular condition was evaluated prior to surgery, and low-dose combined neuraxial blockade and local anaesthetics were chosen and administered in titrated doses to maintain myocardial oxygen demand and blood pressure. In light of this, we describe the effective care of a patient with ischemic heart disease who was scheduled for a bipolar hemiarthroplasty while receiving low-dose spinal and epidural anaesthesia and analgesia.

**Keywords:** ischemic heart disease, ejection fraction, spinal anaesthesia, epidural anaesthesia, local anaesthesia, hemiarthroplasty, low ejection fraction, non-cardiac surgery, neuraxial blockade

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