

## Using a foot controlled injection device for nerve blocks



The lecture on “Using a foot controlled injection device for nerve blocks” by Dr. Anil K Arekapudi on 03-01-2017 was very interesting and enthusiastic. His lecture mainly goes with nerve blocks and its applications. The popliteal sciatic nerve block is a form of regional anesthesia most commonly used as a form of postoperative analgesia. It has shown to be effective for 15-20 hours postoperatively. It can also be used for various foot and ankle pathologies including fracture and dislocation reduction, exploration of foreign bodies, and bedside incision and drainage.

There are several techniques in administering this form of anesthesia including a posterior approach for prone patients, or a lateral approach for a supine patient which requires less time. It is physician preference whether the use of single or double injection technique is employed; however, ultrasound guidance and neurostimulation are typically utilized during this procedure. When using neurostimulation, a plantarflexion response is more predictive of complete sensory blockade than a dorsiflexion response. Using ultrasound with neurostimulation has greater efficacy at 60 minutes than using neurostimulation alone. All the students, faculty and HOD of department of Biotechnology has participated and benefited with the lecture.