

## TITLE:

“COMPARISON OF ULTRASOUND GUIDED SUPRA CLAVICULAR AND INFRA CLAVICULAR BLOCKS FOR UPPER EXTREMITY SURGERY”

## ABSTRACT:

### AIMS AND OBJECTIVES :

To compare the block performance time ,overall effectiveness, commonly escaped nerves and the incidence of adverse events in ultrasound guided supra clavicular and infra clavicular blocks for upper extremity surgery

### METHODS:

This study was prospective ,randomised ,double blind in nature.50 adult patients belonging to American society of anaesthesiologists physical status grades 1 and 2,of either gender aged between 17 and 60 years undergoing Upper limb orthopaedic surgery were randomly allocated into two equal groups:group SC received supra clavicular block and group IC received infra clavicular block. Both the groups received 15 ml of 1.5% Lignocaine and 15 ml of 0.5% bupivacaine with Injection Adrenaline 5 microgram/millilitre.

### RESULTS:

The time taken for the procedure in group SC was 5.88+/-1.53 and in group IC was 10.88+/-3.11( $p < 0.001$ ) with faster performance time for supra clavicular block.but the overall effectiveness was better with group IC with fischer exact p value-0.05.

### CONCLUSION:

Ultrasound guided infra clavicular block has better overall effectiveness,with less escaping of nerves ,less complications and longer performance time than ultrasound guided supra clavicular block.

**KEY WORDS:** Ultra sound, supra clavicular block, infra clavicular block, lignocaine, bupivacaine.