

Lateral Closing Isocele Triangular Osteotomy For Cubitus Varus Deformity

KEY WORDS

cubitus varus, supracodylar osteotomy , elbow

Post supracondylar fracture cubitus varus is the commonest deformity. Various osteotomies have been described with limitations . I have developed isocele triangular lateral closing osteotomy and found to be good and user friendly

Out of 75 osteotomies in twenty (20) patients isocele triangular osteotomy were done (15 male 5 female, mean age 9.5 years between 2000 to 2015. All patients had full range of movements and good function of elbow. Osteotomy lines were marked on bone with isocele triangle preoperatively, and osteotomy was done leaving medial cortex intact . Lateral bone removed , wedge closed by osteocleisis of medial cortex and osteotomy fixed by two k wires . post operative pop was given for six wks followed by allowing child to play . pt were followed two, six and twelve months

RESULTS

Out of twenty pts all had good outcome without any major problem at a mean followup of 3.5 yrs. mean carrying angle of corrected elbow was 10.8degree (6-17 dgree). one patient could join armed forces

CONCLUSION

This type of osteotomy is practical, effective, reliable, safe and user friendly method for correcting post traumatic elbow deformity in children with excellent cosmetic effect and good stability without prominence of lateral condyle

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