



MANAGEMENT OF UNICAMERAL BONE CYST OF NECK OF FEMUR IN
11 YEARS OLD- A CASE REPORT

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Background

- UNICAMERAL BONE CYST ALSO KNOWN AS SIMPLE BONE CYST.
UBC ARE BENIGN FLUID FILLED CYST.
OCCURS MOST COMMONLY IN LONG BONE.
MORE THAN 85 % CASE REPORTED IN UPPER PART OF HUMERUS AND UPPER PART OF FEMUR.
RECURRENCE RATE OF UBC IS VERY HIGH IF NOT TREATED PROPERLY.
THE RECOMMENDED TREATMENT IS CURETTAGE BUT WE DID CURETTAGE AND K – WIRE FIXATION FOR EARLY MOBILIZATION.

CASE REPORT

A 11YEARS OLD CHILD CAME TO THE OPD WITH HISTORY OF FALL 3DAYS BACK WHILE PLAYING SUSTAINING INJURY TO THE LEFT LOWER LIMB SINCE THEN COMPLAINING OF UNABLE TO BEAR WEIGHT ON LEFT LOWER LIMB DUE TO PAIN.X-RAY OF LEFT HIP REVEALED NECK OF FEMUR FRACTURE.

MRI LEFT HIP REVEALED UBC OF NECK OF FEMUR.CURETTAGE AND PERCUTANEOUS K-WIRE FIXATION AND HIP SPICA CAST DONE FOR 2 MONTHS.HE WAS FOLLOWED UP AT REGULAR INTERVAL OF 14DAYS AND EVALUATED ON THE BASIS OF RADIOLOGICAL UNION.



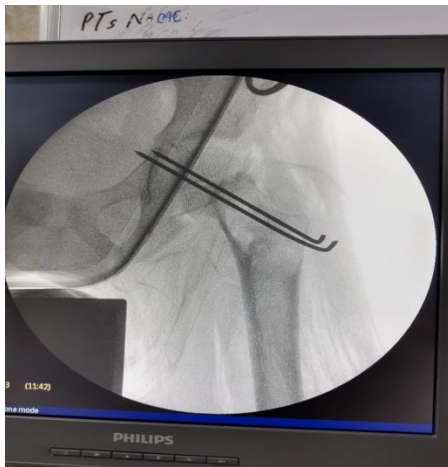
PRE-OP



POST OP



3MONTHS FOLLOW UP



INTRA OP C-ARM IMAGE



HIP SPICA CAST

DISCUSSION

UNICAMERAL BONE CYST ACCOUNTS FOR ABOUT 3% OF ALL BONE TUMOURS. THE REPORTED PEAK IS BETWEEN 3-14 YEARS. MEAN AGE OF DIAGNOSIS IS 9 YEARS. MALE TO FEMALE RATIO IS 2:1. UNICAMERAL BONE CYST IS DEFINED AS FLUID FILLED CYSTIC LESION OF LONG BONES. MORE THAN 85% CASES ARE REPORTED IN UPPER PART OF HUMERUS AND UPPER PART OF FEMUR. UNICAMERAL BONE CYST OCCURS AT METAPHYSEAL REGION OF LONG BONES. ENLARGING CYSTIC LESION CAUSES THINNING OF BONE LEADING TO PATHOLOGICAL FRACTURE. THESE CYSTIC FLUID FILLED LESIONS HAS BEEN SHOWN TO CONTAIN INCREASED LEVEL OF LYSOSOMAL ENZYMES MORE THAN SERUM.

CONCLUSION

- CURRETAGE FOLLOWED BY PERCUTANEOUS K-WIRE FIXATION AND HIP SPICA FOR IMMOBILIZATION SHOWED GOOD RESULT IN CASE OF NECK OF FEMUR FRACTURE DUE TO UNICAMERAL BONE CYST.

REFERENCES

- INTERNATIONAL JOURNAL OF ORTHOPAEDIC SCIENCES-ortho2019-Dr.Chander Mohan