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COMPARATIVE STUDY OF OPERATIVE AND CONSERVATIVE TREATMENT OF DISPLACED SUPRACONDYLAR FRACTURES OF THE HUMERUS IN CHILDREN

Thesis
Submitted in partial fulfillment of the Requirement
For the Degree of M.Sc. Orthopaedics

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" وقالول الحمر لله (الزي هرلانا لهزلا وما لانا لنهتري لولا أن هرلانا لله " وما لانا لنهتري لولا أن هرلنا لله العظيم

الأعراف (٤٣)

My Parents, Wife and Baby, Myar

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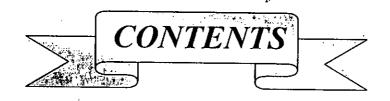
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INTRODUCTION

Supracondylar fracture of the humerus is one of the commonest and most important fractures of childhood (John Adams and David Hamblen, 1991).

They are of particular importance because of their frequency and the complications with which they may be associated (Ronald McRare, 1997).

Unfortunately, it can be one of the most difficult fractures to treat, the shaft of the humerus in this region is very thin and even if reduction is obtained it may be unstable (*Sharrard 1979*).

Manipulative reduction should be undertaken without delay as a primary measure in all cases where there is a vascular impairment and in other supracondylar fractures where there is significant loss of alignment, i.e where there is loss of 50% or more of bony contact, (Ronald McRare, 1997).

During the early part of this century there was a reluctance to recommend open reduction of supracondylar fractures (Sharrad 1971).

With improvement in operative techniques and more experience with surgical intervention, open reduction of acute supracondylar fractures has now become widely accepted (Arnson et al., 1993).