

**A Systematic Review in the Role of Ilizarov  
Fixator in the Treatment of Infected Non-  
United Distal Humerus Fractures in adults  
after Failure of Internal Fixation**

*Submitted for Partial Fulfillment of Master Degree  
in Orthopedic Surgery*

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**2015**

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## *Acknowledgement*

I would like to express my highest gratitude and thanks to **Prof. Tarek Mohammed Khalil**, Professor of Orthopedic Surgery, Faculty of Medicine, Ain Shams University for giving me privilege of working under his instructive and helpful guidance.

I would like also to express my sincere appreciation and thanks to **Dr. Mahmoud Ali Mahran**, Assistant Professor of Orthopedic Surgery, Ain Shams University for spending time and effort to help me in this work.

Finally, I would like to thank my family, friends for their great support to me in this work.



*Hatem Ahmed*

## ***List of Abbreviations***

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<b>Abb.</b>	<b>Full term</b>
<b>CEF</b>	Circular External Fixator
<b>CI</b>	Confidence interval
<b>DASH</b>	Disabilities of the Arm, Shoulder and Hand
<b>FDA</b>	Food and Drug Administration
<b>FEM</b>	Fixed effects method
<b>HA</b>	Hydroxy Apatite
<b>NSAID</b>	Non steroidal anti-inflammatory drugs
<b>ORIF</b>	Open reduction and internal fixation
<b>REM</b>	Random effects method
<b>ROM</b>	Range of motion
<b>SEM</b>	Standard error of the mean
<b>SEMD</b>	Standardized error of the mean difference
<b>SMD</b>	Standardized mean difference

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# Introduction

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# Aim of the Study

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**Chapter (1)**  
**Anatomy of distal**  
**humerus**

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## Chapter (2)

# **Classifications of distal humerus fractures**

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