



# **Comparison between the Efficacy of Intense Pulsed Light (IPL) and Cryotherapy in the treatment of Hypertrophic scars and Keloids: A pilot Clinical and Histopathological study**

*Thesis*

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أَعُوذُ بِاللَّهِ مِنَ الشَّيْطَانِ الرَّجِيمِ

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صَدَقَ اللَّهُ الْعَظِيمُ

سُورَةُ الْبَقَّةِ

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## List of Abbreviations

<b>Abb.</b>	<b>Full term</b>
<b>5-FU</b> .....	Fluorouracil
<b>ECM</b> .....	Extra cellular matrix
<b>EGF</b> .....	Epidermal Growth Factor
<b>Er: YAG laser</b> .....	Erbium doped yttrium aluminum garnet laser
<b>H1</b> .....	Histamine-1
<b>HLA</b> .....	Human Leukocyte Antigen
<b>ICAM-1</b> .....	Intercellular adhesion molecule-1
<b>IFN-<math>\alpha</math>2b</b> .....	Interferon-alpha 2 beta
<b>IL</b> .....	Interleukin
<b>INF- <math>\alpha</math></b> .....	Interferon alpha
<b>IPL</b> .....	Intense Pulsed Light
<b>KTP</b> .....	Potassium titanyl-phosphate
<b>Nd: YAG laser</b> .....	Neodymium doped yttrium aluminum garnet
<b>PDGF</b> .....	Platelet Derived Growth Factor
<b>PDL</b> .....	Pulsed dye laser
<b>TAC</b> .....	Triamcinolone acetanide
<b>TGF-<math>\beta</math></b> .....	Transforming growth factore beta
<b>TNF- <math>\alpha</math></b> .....	Tumor necrosis factor alpha