



شبكة المعلومات الجامعية
التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم



MONA MAGHRABY



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شبكة المعلومات الجامعية التوثيق الإلكتروني والميكروفيلم



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جامعة عين شمس

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قسم

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**Effect of Dimethyl Sulfoxide Pretreatment on
Dentin Wettability and Resin-Dentin Bond
Strength; an in vitro study**

**Thesis
Submitted to Faculty of Dentistry
Ain Shams University**

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*I would like to **dedicate** this work to;*

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LIST OF ABBREVIATIONS

10-MDP: Methacryloyloxydecyl dihydrogen phosphate
Bis-GMA: Bisphenol-A glycidyl methacrylate
CA: Contact angle
DMSO: Dimethyl Sulfoxide
ECM: extracellular organic dentinal matrix
EDC: Carbodiimide
E&R: Etch and rinse:
EWB: Ethanol wet bonding
GD: Gluteraldehyde
H-bonding: Hydrogen Bonding
HEMA: Hydroxy-ethyl methacrylate
HL: hybrid layer
MTBS: Micro-tensile bond strength
MMP: Matrix metallo-proteinase
OCA: Optical clearing agent
SB2: Single bond 2 adhesive
SBU: Single bond universal
SBS: Shear bond strength
SE: Self-Etch
UDMA: Urethane dimethacrylate
WT: Weight