



**Bacterial reduction using two
different tip diameter in rotation
and reciprocation motion
(In vitro study)**

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By

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

﴿ قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا

﴿ إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

صَدَقَ اللَّهُ الْعَظِيمُ

الْآيَةُ (32) سُورَةُ الْبَقَرَةِ

Dedication

To my great father and my lovely mother...the source of encouragement and inspiration to me throughout my life.

To my brothers & my lovely friends for their special & great support and help.

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