

Ocular Aberrations Before and After
Myopic Corneal
Refractive Surgery
Essay

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in Ophthalmology***

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انحرافات العين قبل وبعد جراحات قصر النظر الانكسارية لقرنية العين

رسالة

توطئة للحصول على درجة الماجستير في طب وجراحة العين

مقدمة من

الطبيبة | نهى كامل محمد بدوي

بكالوريوس الطب و الجراحة

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٢٠١٧

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قَالَ

سُبْحَانَكَ لَا عِلْمَ لَنَا
إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ
الْعَلِيمُ الْعَظِيمُ

صدق الله العظيم

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✍ **Noha Kamel Mohamed**



Introduction





Aim of the Work





Chapter (1)

Anatomy of the Ocular Surface





Chapter (2)

Ocular Aberrations





Chapter (3)

Aberrometer





Chapter (4)

Higher Order Aberrations in
Laser Corneal Ablations and
their Impact on Image Quality





Chapter (5)

Different Modalities in Corneal Refractive Surgeries



Chapter (6)

Aberrations after SMILE, FS-
LASIK, and FLEEx Surgeries



Chapter (7)

Comparison of visual
Aberrations after corneal
myopic refractive surgeries



Chapter (8)

Laser Ablation Techniques
Already in Use to Minimize
HOAs



Summary

