

# ULTRASOUND BIOMICROSCOPY

*Essay*

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**Ophthalmology**

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قَالُوا سُبْحَانَكَ  
لَا عِلْمَ لَنَا  
إِلَّا مَا عَلَّمْتَنَا  
إِنَّكَ أَنْتَ  
الْعَلِيمُ الْحَكِيمُ

صدق الله العظيم  
سورة البقرة الآية  
(32)



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### *List Of Abbreviations*

|               |  |
|---------------|--|
| <b>ACD</b>    | Anterior chamber depth.                    |
| <b>ARA</b>    | Angle recess area                          |
| <b>CCT</b>    | Central corneal thickness.                 |
| <b>CM</b>     | Centimetre.                                |
| <b>CT</b>     | Corneal thickness.                         |
| <b>CTR</b>    | Capsular tension ring.                     |
| <b>dB</b>     | Decibels.                                  |
| <b>DSCI</b>   | Deep sclerotomy with collagen implant.     |
| <b>EDTA</b>   | Ethylene diamine tetra acetic acid.        |
| <b>FDA</b>    | Food and drug administration.              |
| <b>Hz.</b>    | Hertz.                                     |
| <b>HFU</b>    | High frequency ultrasound                  |
| <b>IOP</b>    | Intraocular pressure.                      |
| <b>KHz</b>    | Kilohertz.                                 |
| <b>LASIK</b>  | Laser assisted in-situ keratomileusis.     |
| <b>LPI</b>    | Laser periphral iriditomy                  |
| <b>MA</b>     | Maximum amplitude.                         |
| <b>MHz</b>    | Megahertz.                                 |
| <b>mm</b>     | Millimetre.                                |
| <b>μm</b>     | Micrometer.                                |
| <b>μs</b>     | Microsecond.                               |
| <b>m/sec.</b> | Meter / second.                            |
| <b>PCPIOL</b> | Posterior chamber phakic intraocular lens. |

|                     |   |
|---------------------|---|
| <b><i>PCT</i></b>   | Peripheral corneal thickness.                           |
| <b><i>PDS</i></b>   | Pigment dispersion syndrome.                            |
| <b><i>PIOL</i></b>  | Phakic intraocular lens.                                |
| <b><i>PKP</i></b>   | Penetrating keratoplasty.                               |
| <b><i>PVDF</i></b>  | Piezoelectric polymer Polyvinylidene difluoride.        |
| <b><i>SAM</i></b>   | Scanning acoustic microscopy.                           |
| <b><i>Sec.</i></b>  | Second.   |
| <b><i>SONAR</i></b> | Sound navigation and ranging.                           |
| <b><i>TCPD</i></b>  | Trabecular-ciliary process distance.                    |
| <b><i>TID</i></b>   | Trabecular meshwork - iris distance.                    |
| <b><i>TIPD</i></b>  | Trabecular meshwork - iris pigment epithelium distance. |
| <b><i>UBM</i></b>   | Ultrasound biomicroscopy.                               |
| <b><i>Vol.</i></b>  | Volume.   |
| <b><i>XFS</i></b>   | Exfoliation syndrome.                                   |
| <b><i>2D</i></b>    | Two dimensions.   |
| <b><i>3D</i></b>    | Three dimensions.                                       |

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