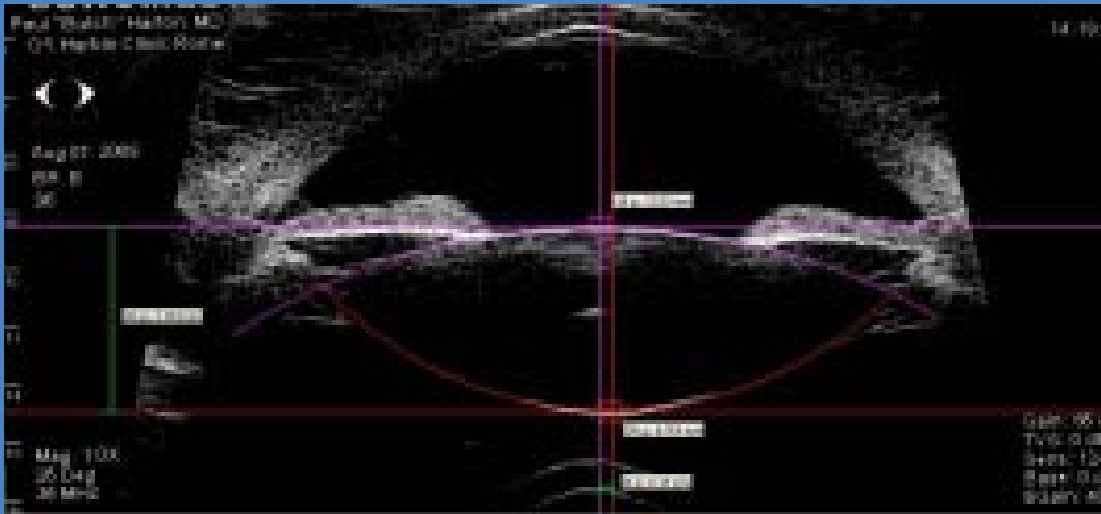


Perform evaluations with ease and flexibility – virtually anywhere.

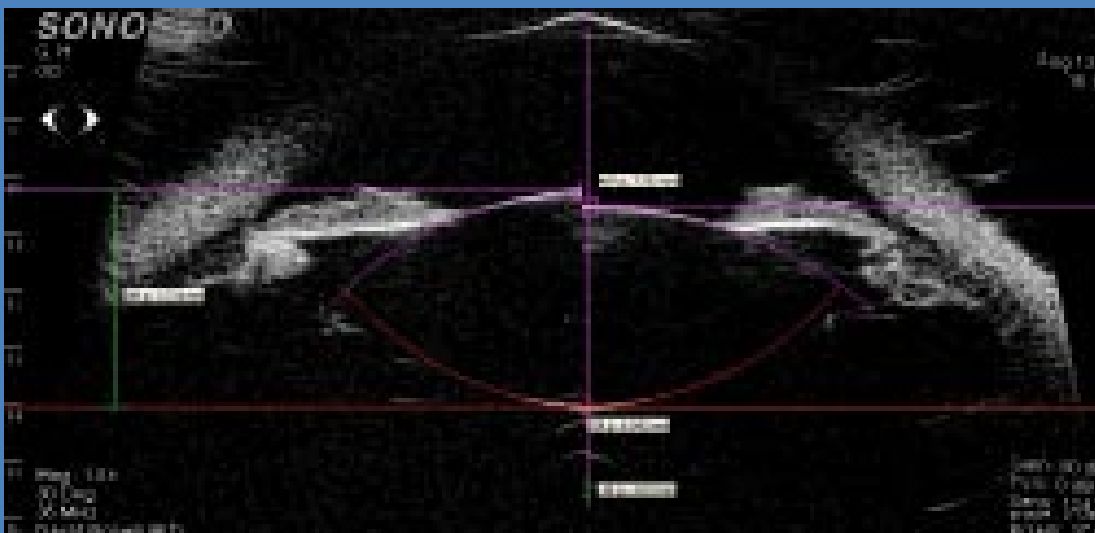
With the VuMAX II, non-invasive evaluations can be performed virtually anywhere. It comes with a lightweight, hand-held probe and three custom made immersion cups to ensure a comfortable fit and ease of use. VuMax versatility allows for immersion as well as non-immersion techniques. Utilizing the Scan Cap Kit or Clear Scan device, critical information may be obtained in every circumstance



Radius of curvature overlay

Breakthrough technology lets you see clearer, sharper images than ever before.

- VuMax provides the ability to image dynamic motion within the anterior chamber such as accommodation
- Eye modeling is achieved with the radius of curvature overlay tools
- Powerful processing tools and proprietary image-enhancing preset software configurations to achieve the best image for the anatomical structure being examined



Accommodation / Dis-accommodation

Achieve a superior new perspective with high-resolution, high-frequency ultrasound from VuMAX II.

The VuMAX II ultrasonic biomicroscope takes you to another level of image quality and accuracy in high-resolution, high-frequency ultrasound. This innovative system provides incomparably clear and extremely accurate images of the anterior segment of the eye – faster and more easily than ever – to support your diagnostics, pre- and post-operative decision-making, and patient monitoring needs at the highest levels of performance and reliability.

Moreover, the VuMAX II is a proven economic performer, offering the ability to image the entire anterior segment, as compared to other imaging technologies such as OCT and offers these features and options.

- Hand Piece with 35Mhz and/or 50Mhz Transducer(s)
- CPU with Multi Frequency Cable
- Scan Cap Kit (4-Different Sizes)
- JPEG / AVI Saving Function
- Post Processing Tools (Ruler Caliper Area)
- Image Enhancing Focus Software
- USB Video Printer
- Photo Printer
- Sulcus-to-Sulcus Measuring
- Accommodation Dynamics
- Mobile Cart
- 17" TFT Monitor
- Goose Neck Gantry Arm with Probe Holder

Enhance your practice with the advantages of VuMAX.

To learn more about how the VuMAX II can enhance your practice by supporting your diagnostics, decision-making, and patient monitoring needs at the highest levels of performance and reliability, visit www.sonomedinc.com or contact a Sonomed Sales Representative at (800) 227-1285.



1979 Marcus Avenue, Suite C105
Lake Success, NY 11042 USA
(800) 227-1285 www.sonomedinc.com

HF35-50 (UBM) PROBE

Type	Motor-driven, compact interchangeable transducers
Transducer Frequency	35 MHz and/or 50 MHz
Scanning Method:	Variable field sector scanner
Sector Angle:	38° or 20° fields
Scanning Speed:	Variable 12.5 frames per second (fps)
Observable Range (Variable)	18.5 mm wide x 14 mm deep in 38° field 12.0 mm wide x 14 mm deep in 20° field
Display:	Dual screen simultaneous display with live zoom and standard screen display

ELECTRONIC RESOLUTION

in 38° Field	Axial 0.027 mm Lateral 0.035 mm
in 20° Field	Axial 0.027 mm Lateral 0.023 mm

ACOUSTIC AXIAL RESOLUTION

35 MHz Transducer:	0.068 mm
50 MHz Transducer:	0.050 mm
Gain Curves:	Logarithmic with user-selectable window (contrast) and level (brightness) control

MEASUREMENTS

Distance Measurements:	Angle-to-angle, sulcus-to-sulcus, corneal thickness, and scleral thickness
Anterior Segment Biometry:	Single measurement of cornea thickness, anterior chamber depth (ACD), and lens thickness A-scan profile with two markers/dual caliper measurements Angle in degrees

DYNAMIC RECORDING

Scan Time:	45 seconds (depending on RAM)
Recording Frame Rate:	12.5 or 25 fps

ELECTRICAL

Voltage:	90 - 240 VAC
Frequency:	50/60 Hz
Maximum Current:	6.5 A (low voltage range) or 3.5 A (high voltage range)

MONITOR

Type:	Liquid crystal display (LCD) flat panel monitor
Viewable Size:	15"
Resolution:	1024 x 768
Pixel Pitch:	0.297 mm
Contrast Ratio:	450:1

DIMENSIONS

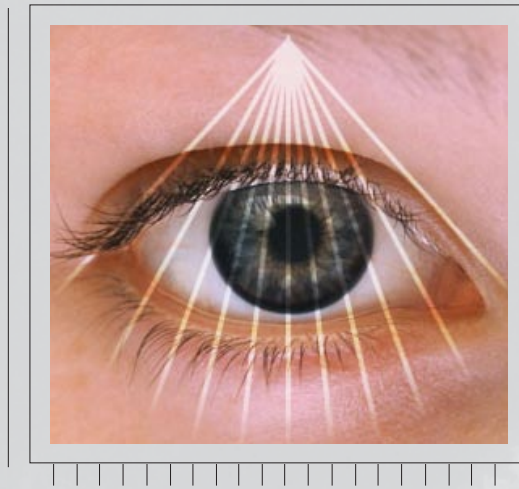
Computer:	17" H x 8.9" W x 18.4" D
Monitor:	15.8" H x 16.1" W x 6.7" D

WEIGHT

Computer:	42 lbs
Monitor:	11.5 lbs

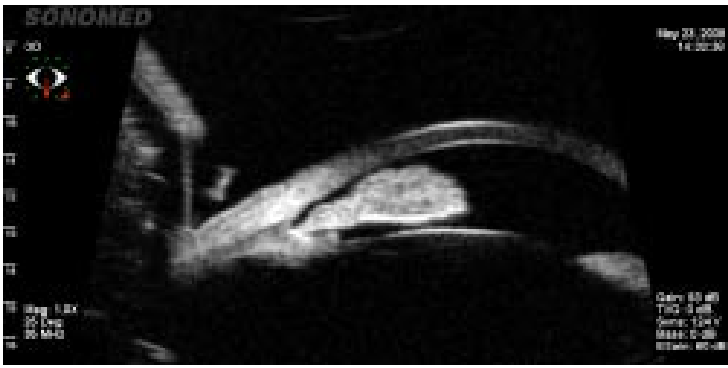
SEE BEYOND

To a new level of clarity & accuracy



VuMAX II Ultrasonic Biomicroscope

 **SONOMED** INC.



Diagnose and measure tumors

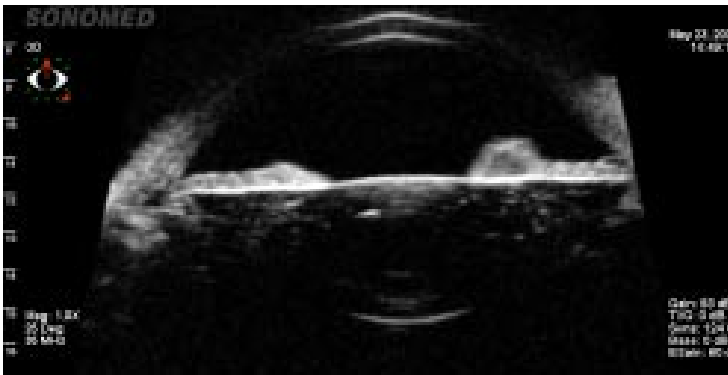
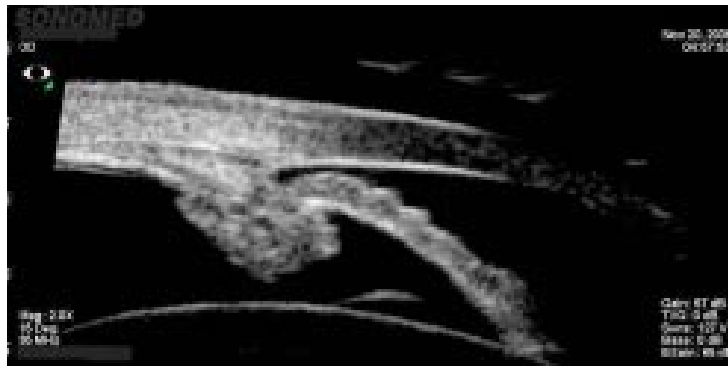
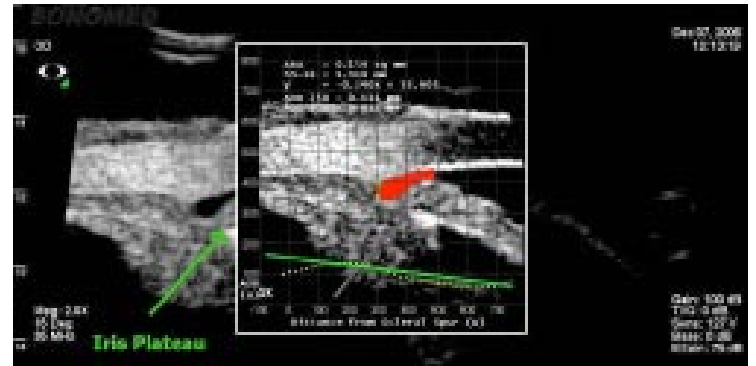


Image cysts



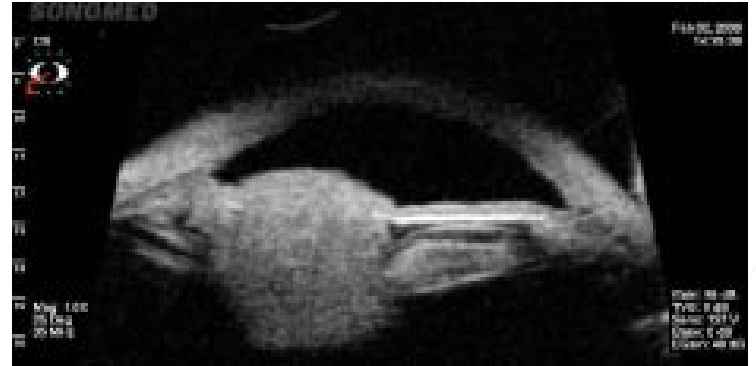
Iris plateau



Iris plateau with Pro 2000



OCT image of an iris tumor



VuMax image of same iris tumor

Glaucoma Management

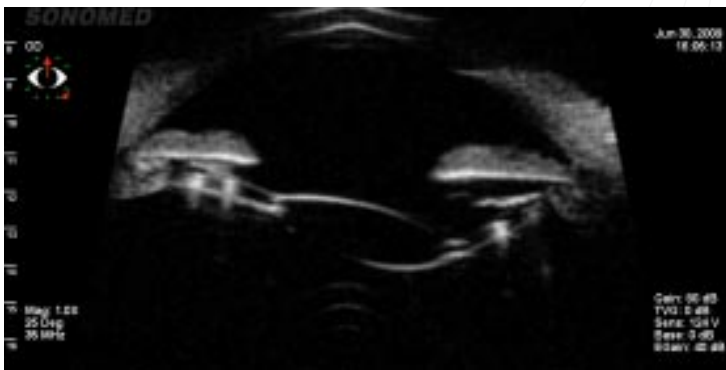
Through unmatched resolution of the different structures of the anterior chamber, the VuMAX II provides an excellent diagnostic tool for glaucoma-related concerns including:

- Full objective assessment of the angle using the Pro 2000 (Ishikawa) nomogram providing detail regarding the angle recess area (ARA), the scleral spur to iris root distance and the angle opening distance at 250 and 500 microns
- Ability to evaluate behind-the-iris pathology such as tumors and cysts, irregular iris pathology such as iris plateau and phacomorphic changes in the crystalline lens
- Ability to evaluate surgical treatments such as trabeculectomy, iridotomy, tubes, shunts and viscocannulostomy

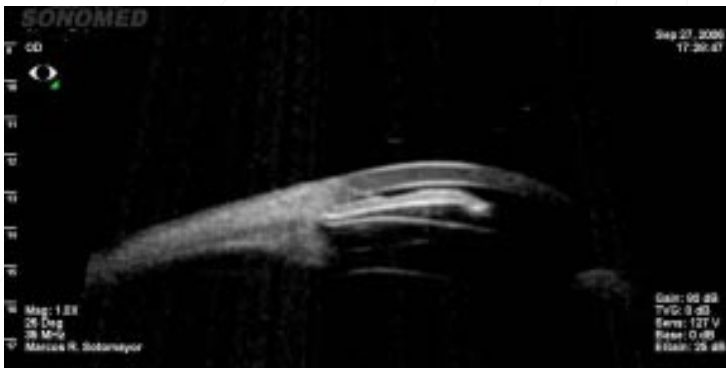
Cataract & Refractive Applications

The VuMAX II plays a critical role in the pre- and post-operative evaluation of lens implantation procedures for cataract and refractive applications, including:

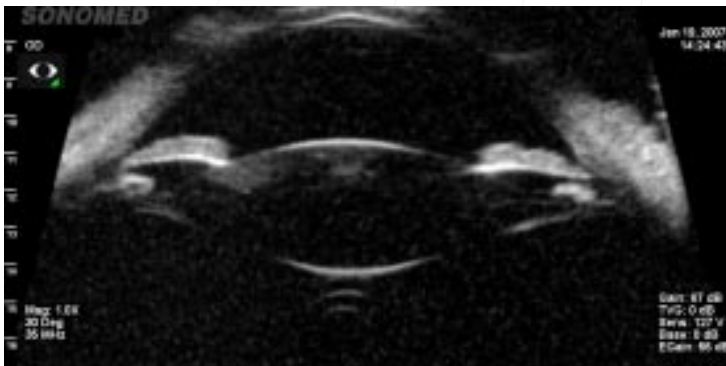
- Assisting in determination of lens type, length, and design by providing high detail imagery of the sulcus-to-sulcus distance (posterior chamber phakic IOLs), the angle to angle distance (anterior chamber phakic IOLs) capsular bag dimensions (effective lens position) and ciliary body size and shape (accommodating IOLs)
- Assisting in critical decision-making by providing a clear visualization of the entire anterior segment and their interaction, including the ability to capture dynamic motion such as accommodation
- Visualization of lens position and interaction with the different structures of the anterior segment post-operatively to assist with diagnosis and treatment of tilted and dislocated lenses



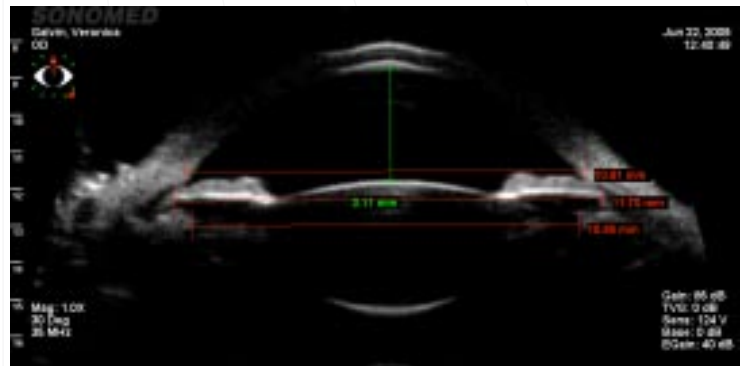
Diagnose dislocated IOLs



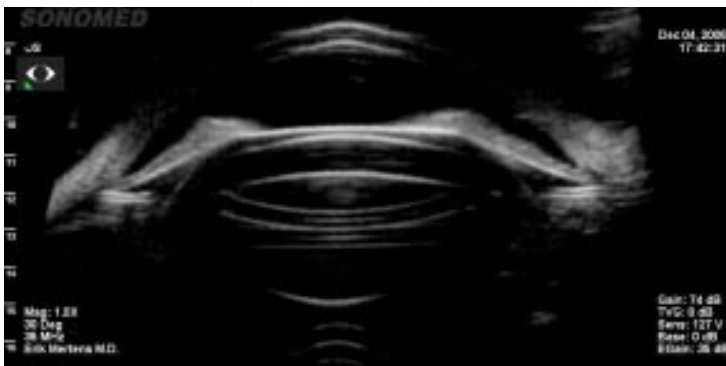
Angle closure from oversized phakic IOL



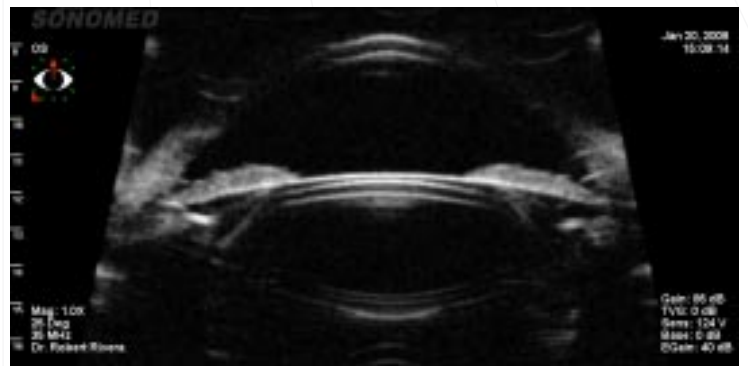
Identify and measure capsular bag dimensions



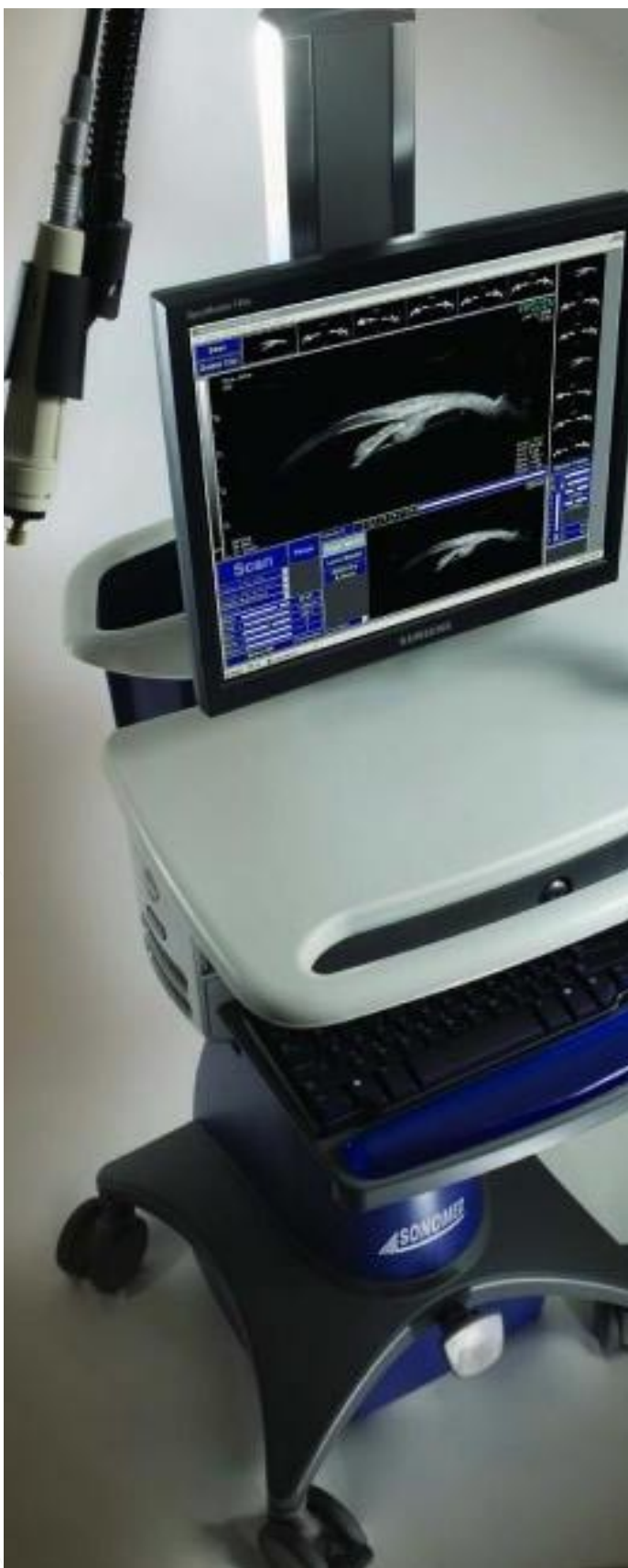
Ability to measure anatomical distances for proper lens length selection



Diagnose postop complication - oversized phakic IOL



Prediction of accurate lens sizing



VuMAX: Performance and reliability that have earned the trust of leading surgeons.

For years, innovative VuMAX technology has helped leading ophthalmologic surgeons achieve a heightened new level of diagnostic capability both pre- and post-operatively.

"The VuMAX II ultrasound biomicroscope...has been a valuable addition to my practice. Being able to see beyond the surface of the cornea and displaying the entire anterior segment in one scan has become a critical tool in the diagnosis and management of various ocular pathology in our practice."

Roxana Ursea, MD

"For glaucoma patients, we use the VuMAX to evaluate not only the angle, but also what's causing the patient's borderline or narrow closed angles. We can determine if pupil block, plateau iris, lens surgery and/or lens intumescence play a role. For IOL patients, we can assess what's going on in the capsular bag, obtain the dimensions of the sulcus and understand the capsular bag morphology, which helps us choose a lens and identify potential issues."

Ike K. Ahmed, MD, FRCSC

"The VuMax II has changed the way that I evaluate all lens based surgery. The ability to image the entire anterior segment allows me to accurately choose appropriate length phakic IOLs, as well as better understand postoperative dysphotopsias. The ability to image the capsular bag may be an important finding when choosing an accommodative or multifocal IOL in the future."

Robert P. Rivera, MD, FACS