





Optical Coherence Tomography

- Low coherence interferometry
- Evolution:
- ▶ Time domain \rightarrow Spectral (Fourier) domain \rightarrow Swept source

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- Faster scan speeds (up to 100,000 A-scans/sec)
- Higher resolution (axial \rightarrow 5 µm, transverse \rightarrow 15 µm)
- Deeper penetration (IR)

WILLEN EYE







































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	Calculation Method	Refractive Prediction Error (D)
	Clinical History	-1.60
Calculations	Masket	-1.50
	Modified Masket	-1.68
 Post-Laser Refractive Surgery True corneal power? Effective lens position (ELP)? 	Adjusted Atlas	-0.68
	Wang-Koch-Maloney	-0.89
 65-y/o O[*] with: 	Shammas	-1.89
 h/o LASIK OU Monovision - OS near 	Haigis-L	-1.49
 Recommended IOL (Tgt -1.50) 	Barrett True-K	-1.31
 Range 21.0 to 23.5D Chosen IOL = 23.0D 	Barrett True-K - No Hx	-1.58
 UCVA J1+ 	OCT	-0.44
 MR: -3.00 20/20 	ORA	-1.33

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