

Research Areas of Interest – US

We welcome IIT proposals in the following areas of interest.

| | <i>Scientific and medical gaps that need to be addressed</i> | <i>Still accepting applications?</i> |
|----------------|---|--------------------------------------|
| Vivity™ | What are visual outcomes and patient satisfaction after bilateral Vivity implantation (emmetropia targeting) in patients with previous monovision experience (e.g. monovision with contact lens)? | Yes |
| | What are visual outcomes and patient satisfaction with Vivity in long or short eyes? | Yes |
| | What are visual outcomes and patient satisfaction with Vivity in post-hyperopia refractive surgery patients? | Yes |
| | What are visual outcomes and patient satisfaction with Vivity in post myopic refractive surgery patient with high corneal spherical aberration? | Yes |
| | Does IOL centration/tilt affect the performance of Vivity IOLs? | Yes |

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| Clareon/ AutonoMe | What is the wound integrity and surgical induced astigmatism outcomes using AutonoMe as a delivery system? | Yes |

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| ARGOS™ | Is there any difference in refractive prediction error using ARGOS biometric measurement/Barret Universal II formula or IOLM700/ Barret TK formula? | Yes |
| | What are the refractive and visual outcomes with toric IOLs when using ARGOS Biometer for IOL power calculation and Alcon image guidance during surgery? | Yes |
| | What are the refractive and visual outcomes with ARGOS Biometer and Alcon image guidance in long and short eyes? | Yes |
| | What is the repeatability of ARGOS keratometry compared to the LenSTAR biometer, and what are the refractive outcomes when using optimized lens constants and a specific IOL power calculation formula for each biometer? | Yes |

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| Hybrid tip/ Centurion | | |
| | Do Hybrid tips provide comparable cutting efficiency in different grades of cataract compared to balanced tips? | Yes |

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| Active Sentry /Centurion | | |
| | What are the performance differences comparing Centurion with Active Sentry handpiece to competitors? | Yes |

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| CONTOURA® | | |
| | What are the quality of vision outcomes using Contoura with Phorcides? | Yes |
| | How do clinical outcomes from Contoura with Phorcides compare to WaveLight Wavefront Optimized? | Yes |
| | How do clinical outcomes from Contoura with Phorcides compare to SMILE? | Yes |
| | How do clinical outcomes from Contoura with Phorcides vs using manifest/topo measurements for treatment planning compare in patients with oblique astigmatism? | Yes |

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| NGENUITY® | | |
| | Are there differences in case capability with respect to Color Visualization, Depth of Field, Magnification and Surgical Suite Utility when using NGENUITY compared to ARTEVO 800? | Yes |
| | Is there a difference using NGENUITY vs Conventional Microscopy for MIGS implantation with respect to the # of surgical steps, # of IOP spikes, ease of identification of insertion points, ease of device placement visualization, postop IOP control or post-op glaucoma medication usage? | Yes |
| | How does NGENUITY with DataFusion compare to standard microscopy in an academic/resident setting with respect to | Yes |

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| | assessment of surgical skills and learning efficiency in retinal and anterior segment procedures? | |
| | Does NGENUITY affect surgeon ergonomics assessed by muscle recruitment when compared to standard operating microscopes? | Yes |

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| LuxOR Revalia | Can differences be demonstrated with case capability and efficiency with respect to depth of field and red reflex utility in Revalia compared to competitor operating microscopes for anterior segment surgery? | Yes |

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| HYPERVIT | Does HyperVit (27+) accomplish fibrous tissue cutting as precisely and as efficiently as larger-gauge Advanced UltraVit probes in detached retina cases? | Yes |
| | Does the use of HyperVit (27+) accomplish more efficient vitrectomy for vitreous opacity procedures compared to traditional probe technologies? | Yes |
| | Does the use of a beveled tip vitrectomy probe facilitate the treatment of retinal membranes by allowing minimal instrument usage (rather than picks, horizontal/vertical scissors, etc) to efficiently perform removal of ERMs compared to flat tip probes? | Yes |

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| PRECISION1® | What is the performance of Precision1 for Astigmatism in current successful Biofinity toric wearers? | Yes |
| | What is the performance of Precision1 sphere in current Biofinity sphere wearers? | Yes |

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| DT1 | What is the performance of DT1 Multifocal in those who previously dropped out of contact lenses due to presbyopia? | Yes |

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| SYSTANE | How does Systane Hydration MDPF affect symptoms and quality of life among heavy digital device users (>8 hours/day)? | Yes |

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|-------------|--|--------------------------------------|
| iLux | What are outcomes of iLux treatment among patients who undergo eyelid debridement? | Yes |