Advanced Technology in Cataract Surgery: The Who, What and When

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Synopsis: With an increasing number of options available for cataract surgery, patient education is key to their satisfaction. The goal of this course is to discuss advanced technology options currently available to your cataract patients. This course will provide a brief overview of upgraded IOL and surgical options, as well as discussion regarding patient selection and expectations as they relate to the various options.

Course Objectives
- Discuss current advanced technology IOL and surgical options
- Discussion of patient selection
- Discussion of patient education and expectations
- Optimizing postoperative results
- Approaching the unhappy postoperative patient
- Looking to the future of cataract surgery

Advanced technology IOL options

Toric IOLs
  - Advantages and limitations

Multifocal IOLs
  - Review of technology
  - Advantages and limitations

Extended depth of focus (EDOF) IOLs
  - Review of technology
  - Advantages and limitations

Advanced technology surgical equipment
  - Femtosecond laser assisted cataract surgery (FLACS)
  - Zepto assisted cataract surgery

Discussing advanced technology with patients

Patient selection
  - Patient satisfaction is ultimate goal
  - Who are good candidates and when not to upgrade
  - Ability to manage expectations
  - Prior laser refractive surgery
Barriers to success

Patient Education
- Patient recall – what will they remember?
- Spread out education
- Terminology and delivery
- Discussion of benefits and limitations

Patient Expectations
- Upgraded technology means upgraded expectations
- Spectacle independence – what’s realistic?
- Cost driven expectations, put cost in context

Outcome Oriented
- Getting to know the patient
- Review patient’s goals and expectations
- Evaluation of existing comorbidities
- Choosing the correct technology

Optimizing results
- The preoperative evaluation
- Recognize the outliers – very high/low axial length, astigmatism, etc.
- Managing existing pathology
- Ancillary testing
- IOL formulas
- Verification of measurements

Approach to the unhappy postoperative patient
- Prevention
- What is the problem?
- Patient recollection of expectations
- Management options postoperatively
- Good surgery, poor patient selection

Looking ahead, the future of cataract surgery
- Achieving the ultimate goal
- What’s in development?
- When do we see it?