Is Trabeculectomy Still the Optimal Surgery? YES

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Tube Vs Trab (TVT) Study

• 3 year follow up data
  • NO significant difference in Mean IOP and # Meds
  • NO significant difference in
    • Rates of serious complications
    • Reoperations

New Surgeries

- Fugo blade™
- Ex-PRESS shunt™
- SOLX Gold shunt™
- Excimer laser trabeculotomy
- Canaloplasty
- Trabectome™
- iStent™
Fugo Blade Tranciliary Filtration

Mini Stent (ExPRESS)
Solx Gold Shunt

Excimer Laser Trabeculotomy
Canaloplasty

Ab Interno Trabeculotomy (Trabectome)
New Surgeries

• NO prospective, randomized study with Trabeculectomy for any of the new surgeries.


New Surgeries

• Most studies compare concurrent surgery with Phaco to Phaco alone.

• BUT, Phaco alone usually has a significant IOP reduction.
  • Perhaps Phaco is the better ‘mild’ glaucoma surgery.
  • Stay tuned!

“Perfect Surgery”

- Effective as a Trab
- Long-lasting
- Fast recovery time
- Repeatability
- Allow for potential future Trab
- Low rate of complications

New Surgeries

- None meet these requirements
Mini-Stent (ExPRESS)

- Retrospective and prospective studies show similar efficacy to Trab
- Potential less complications and less follow up visits
- BUT, this is a modified Trab!


Summary

- Trab is still King
  - Mini Stent (Ex-PRESS) is a modified Trab
- Other surgeries
  - Difficult to perform and/or
  - Mild effectiveness and/or
  - Require expensive equipment, disposable or implantable device