

# CATARACT surgery raised to an ART: The GULANI difference !

## Designing Vision with Cataract Surgery.

A cataract is the clouding of the natural lens within the eye. Even though millions of cataract surgeries are performed throughout the world every year and it is called a Routine procedure, Dr. Gulani teaches eye surgeons worldwide that "No Cataract surgery should be ROUTINE".



**"Cataract surgery is an endeavor to help patients see what they have been missing and also an opportunity to plan for the best Vision they can have for the rest of their Life"**  
- Gulani AC, M.D.

With such an outlook, Dr. Gulani encourages eye doctors to classify every Cataract patient into four categories and then individually plan to address all of their correctable visual issues using Customized Cataract Surgery with New Generation Lens Implants and / or staged Laser Vision Surgery.

## Gulani "Cataract Category Classification":

- I. Cataracts with Associated Refractive errors (ie. Myopia, Hyperopia, Astigmatism)
- II. Cataracts with Previous Eye Surgery (ie. RK, Lasik. etc)
- III. Cataracts with Associated Pathology (ie. Fuchs, Corneal scar, Konus. etc)
- IV. Enhancing Previous Cataract Surgery (ie. Residual ref error, haloes. etc)



"It's my passion to help people see."  
-Arun C. Gulani, M.D.

*...Vision for the world*

**World renowned** CATARACT & LASER eye surgeon, Dr. Arun C. Gulani acquired the first PENTACAM technology in Northeast Florida and sees a **Global clientele**.

*I flew from San Francisco for the best cataract surgeon in the world. Thank you for your expertise Dr. Gulani - Prem Hinduja, San Francisco.*

*I traveled from New York to seek the Cataract surgeon who teaches other Cataract surgeons worldwide. I am amazed at my vision today- Marvin Glassberg, New York*

**Inventor** of award-winning Gulani Series of Innovative Surgery Instruments, Dr. Gulani is a distinguished **Teaching** faculty for Cataract & Premium Multifocal Lenses for major conferences and publications throughout the world.

Dr. Gulani is truly a "**Doctor's Doctor**". He is the Cataract surgeon of choice for many physicians and their families and a **Consultant** to patients, Cataract surgeons, and many Eye Care Industries worldwide.

*As a physician and a patient, I am impressed with Dr. Gulani's masterful surgical skills, and his passionate desire to take each patient to their best vision; I salute him for it.*  
Dr. Alberto Leon, Texas.

*Thanks again Dr. Gulani, for your expertise, compassion, professionalism, friendship and courage to do what you believe. You are the best!* Dr. Jane Cai, Orlando.

Dr. Gulani is an **Internationally Renowned Vision Corrective surgeon** (Cataract & Lasik) and provides this expertise in selecting Custom-tailored Cataract techniques and Premium Multifocal Lens technologies.

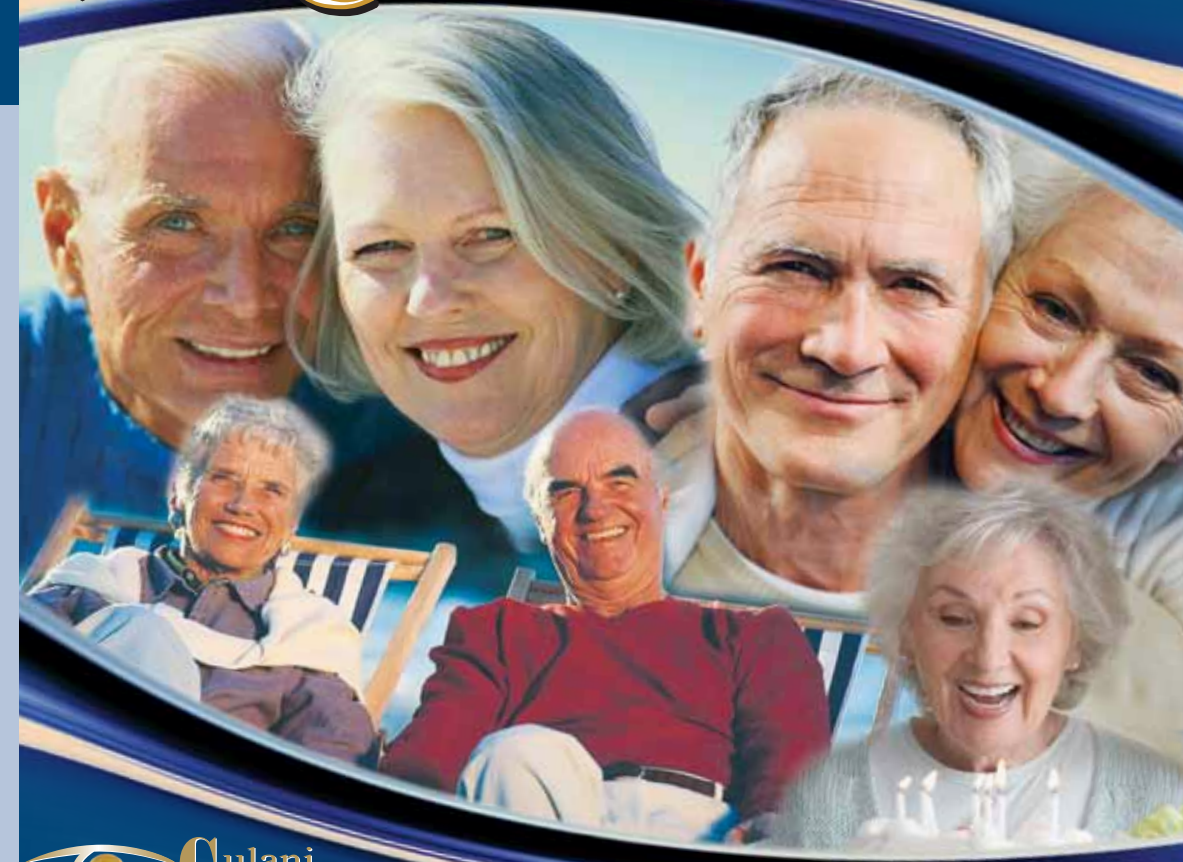
For more information, visit us online at  
[www.gulanivision.com](http://www.gulanivision.com)

or call

**(904) 296-EYES**

To set up a personalized, Custom CATARACT consultation with Dr. Gulani.

# ART of Cataract Surgery



*...Vision for the world*

## [Dr. Gulani's Holistic Approach to Cataract Surgery:](#)

Dr. Gulani approaches each eye like a camera in evaluating the optics of the entire eye and planning a surgery best suited towards perfecting vision for that eye individually.

Just like a camera, the eye has a cornea (viewfinder), the shape of which decides vision. Nearsighted ( **Myopic**) corneas are steep or more curved, Farsighted ( **Hyperopic**) corneas are flatter and **Astigmatic** corneas are shaped like a football (oval) as opposed to being shaped like a basketball (spherical). Thus nearly all cornea-based refractive surgeries (including Lasik Laser Vision Surgery) focus on re-shaping a patient's cornea.

The next imaging structure in the eye is the lens (very much like the lens in the camera).

You are born with a clear natural lens which over time (with age) becomes cloudy and is now called a **CATARACT**. Since this cataract was a lens to begin with, it needs to be replaced by an artificial Lens implant.

Many people after the age of 40 experience **Presbyopia** or blurred vision at near points, such as when reading, sewing or working at the computer and need reading glasses or "cheaters".

Dr. Gulani likes to describe this as an age-related loss of the "**Zooming power**" (tele & wide like a camera) of your natural lens inside your eye.

## **Custom Cataract Surgery & New Technology Lens Implants (IOLs)**

Dr. Gulani performs custom cataract surgery as an outpatient procedure using the "**No Needles**", "**No Patch**" & "**No Stitch**" technique with computer programmed High Speed Ultrasound along with his invented Diamond instruments. The cataract is replaced with an artificial lens implant (IOL). Exciting advances in IOL designs now give patients the option to choose between a Monofocal, Toric, Multifocal and Accommodating Presbyopia-Correcting IOLs (like bifocal / multifocal / progressive glasses) which provide a range of vision at near and distance, thereby allowing a person to perform most of their daily activities with reduced or no dependence on glasses.

\* New Technology IOLs are not covered by Medicare nor by private insurance companies because these lenses are not considered medically necessary.

Now, if you combine the analogy of a camera to a cataract patient, most **Cataract** patients do wear some glasses or contact lenses for associated **Nearsightedness** or **Farsightedness** and or **Astigmatism** and of course, they all have **Presbyopia** (since they are usually more than 40 years old).

For example, a **Category I** cataract patient may be wearing Bifocal glasses for farsightedness, astigmatism and presbyopia (reading). We thus see 4 visual factors affected here:

1. Cataract (cloudy vision)
2. Farsightedness
3. Astigmatism
4. Presbyopia

The fact that this patient has a medically significant cataract is confirmed. Now, instead of taking such a patient, calling them "Routine" and rushing them through a "Cataract Surgery Mill", Dr. Gulani suggests taking this opportunity and correcting all of this patient's visual problems through that one surgery that they need anyway, ie. Cataract surgery.

## [Custom Planning for Customized Vision:](#)

When designing a **Customized Cataract surgery** plan, Dr. Gulani performs a wide range of State of the Art diagnostic tests to determine two major aspects of the plan:

- I. [Surgical Plan:](#)

  1. The Surgical technique based on **Cataract Densitometry Analysis**.
  2. Incision site and size based on **3-Dimensional Corneal Topography**.
  3. Calculations for Lens implant Power, Sizing and Orientation based on **IOL Master V, A-Scan Analysis & Scheimpflug Virtual Imaging**.

- II. [Technology Plan](#)

  1. Type of Lens Implant: **Monofocal / Multifocal / Toric / Accommodating / Dual**
  2. Type of **Advanced Lasik Laser Vision Surgery** as staged combination
  3. **Diamond Astigmatic Keratotomy (AK) Incisions**

Additionally, given Dr. Gulani's combined knowledge of the technologies as well as the optics of the eye, he measures Higher order **Aberrations** along with **Secondary Refractive errors** and **Optical Zones** with **Corneal Asphericity**.

Armed with all this information, he then dedicates a plan personalized for each patient.

Getting back to the above patient example with 4 visual issues, such a patient can elect to have cataract surgery using a **Multifocal** lens implant that can correct **3** out of **4** visual issues (1, 2 & 4). Resulting in only one visual issue remaining which is Astigmatism(**3**). This being a function of the foot ball shaped cornea, it can be addressed with **Advanced Laser Vision Surgery** as planned a month after cataract surgery.

Thus this patient who could have landed as a "**Routine**" case with "**Routine**" Cataract surgery now has a customized plan for their individual eye and vision goals.

*— We both are living examples of Perfect Vision at distance and Near- Without Glasses.*  
Mary and Lynn McCann



## [Further categories of patients with cataracts:](#)

**Category II:** Patients who have had eye surgeries in the past to correct their vision (ie. Lasik, Radial Keratotomy etc) may present with either long term side effects of that surgery, gradually decreasing vision over time or need for modern technology fine tuning.

Their vision can be planned using Cataract surgery with specific, New Technology Lens Implants followed by staged, Advanced Laser Vision surgery to excellent visual outcomes.

*— After my cataract surgery, my field of vision was improved, my near vision was improved and driving at night is now easier.* Dr. Donald Morford (RK patient with ReStor Lens implant)

**Category III.** Patients who have associated pathology ( ie. Keratoconus, Corneal scars, Fuchs dystrophy) besides cataracts.

In such cases, Dr.Gulani plans for the endpoint of vision by first manipulating the optics of the eye using New Technology IOLs with Cataract surgery in preparation for Laser Corneoplastique, INTACS or Lamellar Corneal Transplants.

*— I love my vision with Toric Lens implants in my eyes.* Dr. Bruce Buchannan( Fuchs patient)

**Category IV.** Patients who have undergone cataract surgery elsewhere and have a wrong IOL power in place, complication of the surgery or even those who simply want their cataract surgery of the past "Fine Tuned" to 21<sup>st</sup> century vision expectations.

In such cases, Dr. Gulani studies the case and plans to exchange their IOL for a modern New Technology IOL, "Piggy Backs" an IOL on top of their old IOL or even uses Advanced Laser surgery to correct their residual glasses prescription so they can see without any glasses or contact lenses. Thus patients with previous cataract surgery can also hope to see without any glasses today.

*— My vision is excellent! Dr. Gulani's word is as good as gold!*  
Gayle Washnock (Laser Vision Surgery after Cataract surgery)

Being a world renowned Vision Surgery expert, Dr. Gulani is uniquely talented in both Advanced **Cataract & Laser Vision** Surgery. He uses this experience along with his in depth knowledge of the **Optical system** of the eye in selecting customized techniques with the full range of technology choices including combination surgeries to result in individualizing Vision goals thereby raising Cataract Surgery itself to an **ART**.

# We All Have Gulani Vision!

