

# Cleveland Clinic & FL Alliance for Healthcare Value

## Presenters:

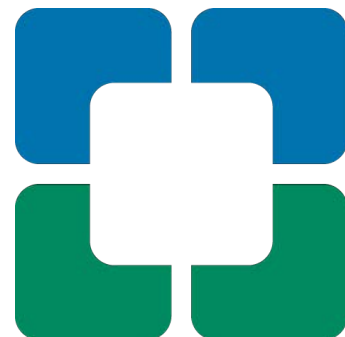
Janesy Dominguez  
Dr. Sonya Pease  
Paula Staggs  
Scott Platz  
Dr. Zeina Nahleh  
Santana Jeffs  
Dr. Jose Navia



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# Welcome to the Cleveland Clinic

[Get to know us](#)



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# Cleveland Clinic FL Region

## Cleveland Clinic Weston Hospital

- 230 bed Hospital
- 9 OP Locations
- 285 Employed physicians
- 3,054 Caregivers



## Cleveland Clinic Indian River Hospital

- 322 bed Hospital
- 9 OP Locations
- 124 Employed physicians
- 2,208 Caregivers



## Cleveland Clinic Martin Health

- 3 Hospitals (502 beds)
- 14 Outpatient Centers
- 113 Employed physicians
- 4,540 Caregivers



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# Our Structure



- Nonprofit
- Group Practice
- Clinical Leadership
- Annual Professional Review
- Team of Teams

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## Center of Excellence Programs Overview






### Program Differentiators:

1. Quality & Expertise
2. Patient Experience
3. Cost Transparency & Savings

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## Cleveland Clinic Quality and Expertise

- More than a decade in the direct-to-employer Center of Excellence Program space
- Cleveland Clinic employed physician model ensures appropriateness of care and quality outcomes
- Customized clinical review and Cleveland Clinic physician expert recommendation



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## Differentiated Patient Experience

- Dedicated, concierge-level patient support
- Assistance in medical record collection
- Qualified patients have co-pay, co-insurance and deductible waived, where applicable
- Travel coordination for patient and companion
- Transitional care coordination with home market providers



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## Cost Transparency & Savings

- Global case rates for the episode of care, including:
  - Pre-op
  - Surgery
  - Post-op
- DRG-based rate schedule provides predictable pricing



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## Center of Excellence Programs Overview



### Program Components:

- Center of Excellence Programs available as a carve-out of current health plans
- Benefit differentials to waive co-insurance, co-pay and deductible, if applicable
- Plan sponsor covers travel, lodging and daily stipend costs for patient and companion
- Collaboration on robust communications plan to educate employees and covered dependents

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## Cardiac Center of Excellence Program

- Offer top ranked cardiac surgical care to plan members
- Appropriateness of Care Medical Record Review ensures surgery is necessary
- Surgical avoidance – 15% of cases reviewed can be treated without surgery
- Avoid variability in outcomes
- Dedicated Patient Care Coordinator and concierge support for travel logistics
- High patient satisfaction in the 90<sup>th</sup> percentile
- Reduced long-term cost of care
- Shortened return to work time

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## Center of Excellence Programs

### New Specialties:

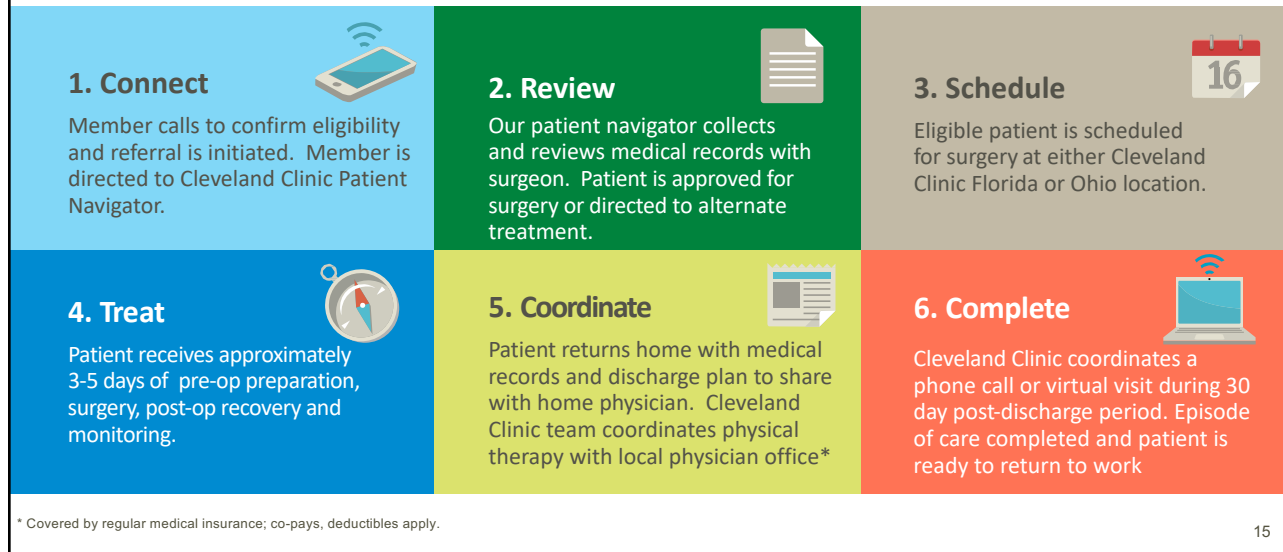
- **Orthopaedic:** Primary hip and knee, complex revisions
- **Spine:** Fusion, Laminectomy, Laminotomy & Arthrodesis
- **Bariatric:** Primary and revision surgery
- Programs include inpatient and outpatient procedures at locations in Ohio and Florida
- Appropriateness of Care Medical Record Review ensures surgery is necessary
- Dedicated Patient Navigator for on-site support and travel logistics
- Price transparency through global case rates and 30 day warranties

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# Cleveland Clinic Center of Excellence Process



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## Center of Excellence Program Value



### Experience

- 10+ years in the direct-to-employer space



### Appropriateness of Care

- Patients first model
- Strong surgical avoidance rate



### Technology

- Predictive analytics to identify high risk members
- Electronic medical record review



### Quality

- Patients first model
- Strong surgical avoidance rate

### Transparent Pricing

- Predictable global case rates for episode of care

### Patient Experience

- Dedicated patient navigators offer support every step of the way
- Coordination with home providers

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## Clinical Review

Cleveland Clinic reviews patient's diagnosis and medical records to educate and inform on potential treatment options

- Facilitates a timely, personalized connection to the right Cleveland Clinic provider
- Ensures optimal diagnosis and treatment plan
- If patient selects Cleveland Clinic for treatment, dedicated team streamlines scheduling
- Offered domestically from Ohio and South Florida facilities



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## All Cleveland Clinic Employer Solutions

### Cleveland Clinic care reaching your employees

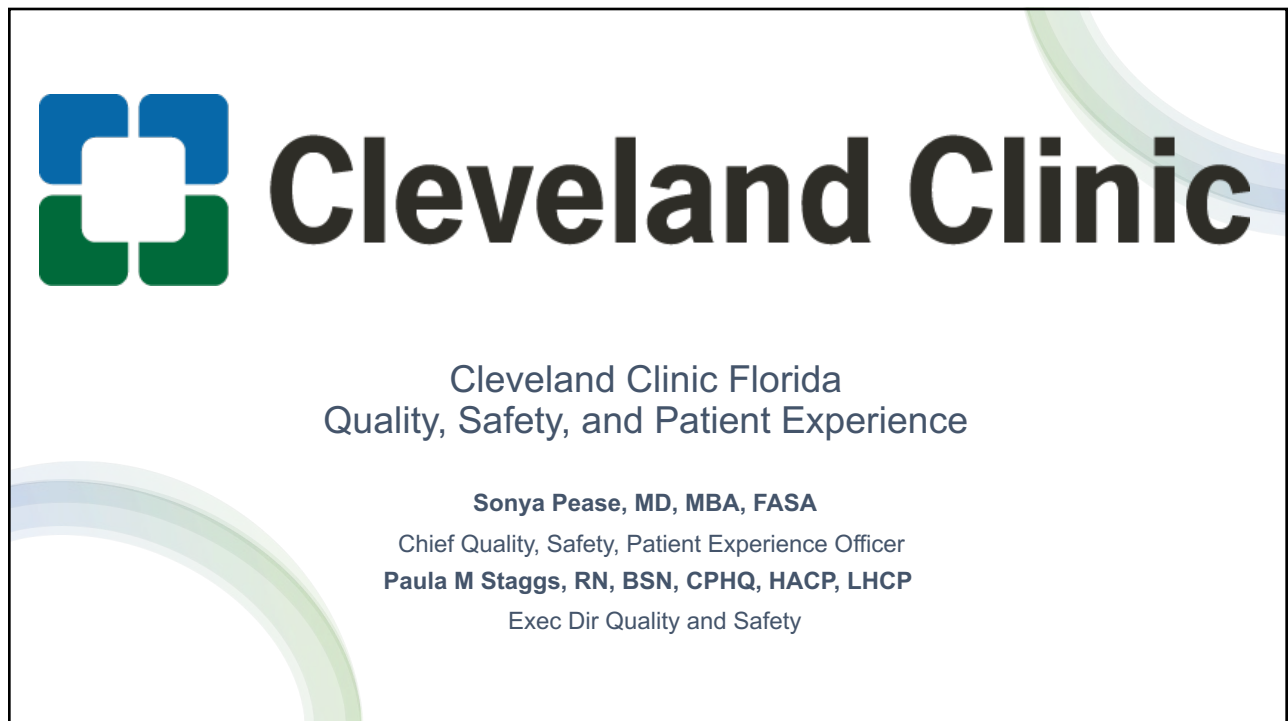
- Employer based, customized solutions
- Outcomes focused, patient centered programs
- Differentiated patient experience
- Proven ways to manage health and cost



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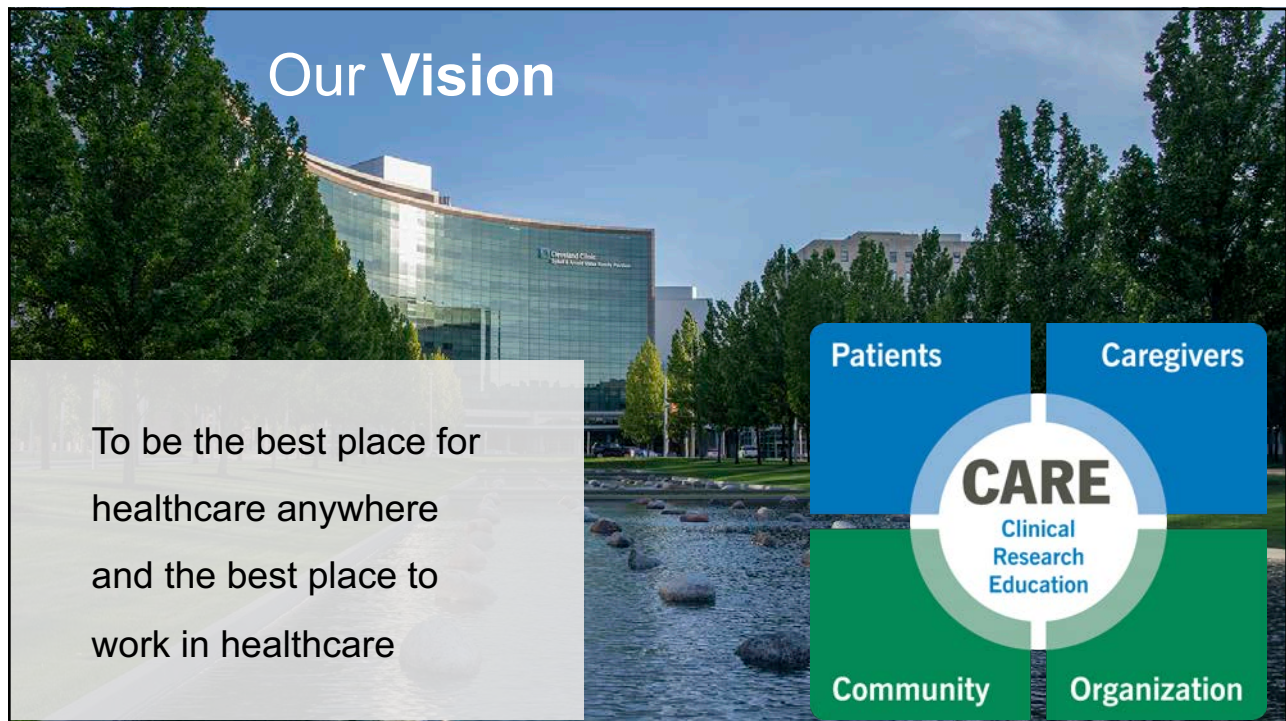
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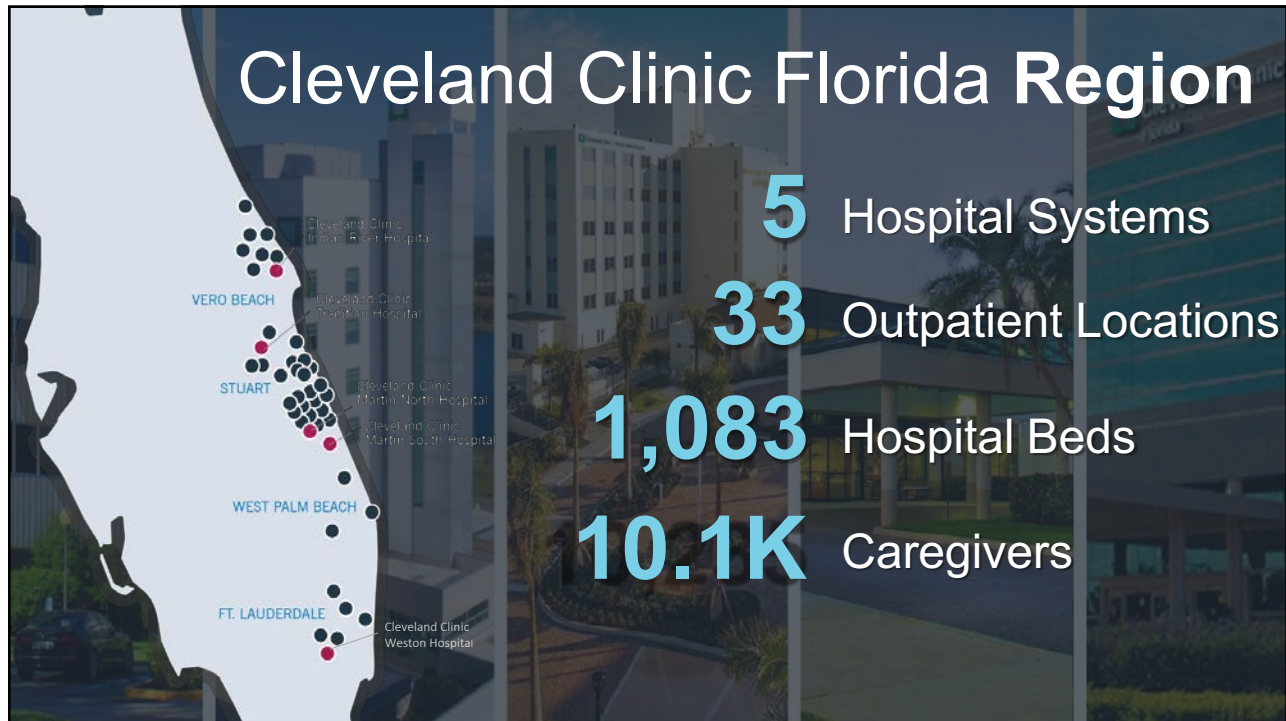


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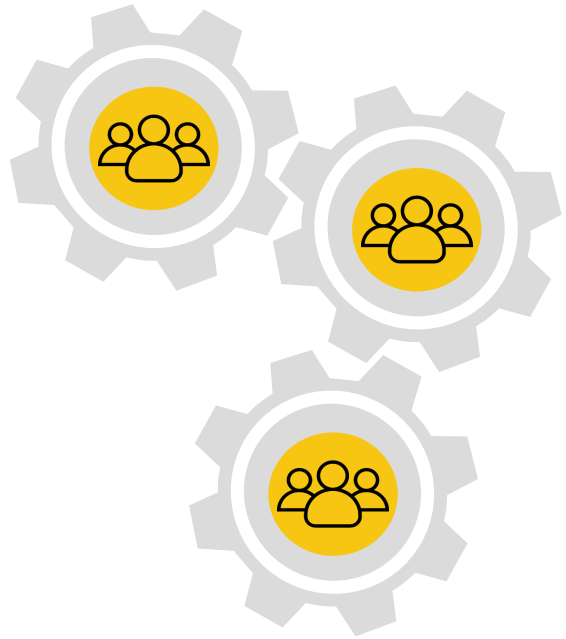
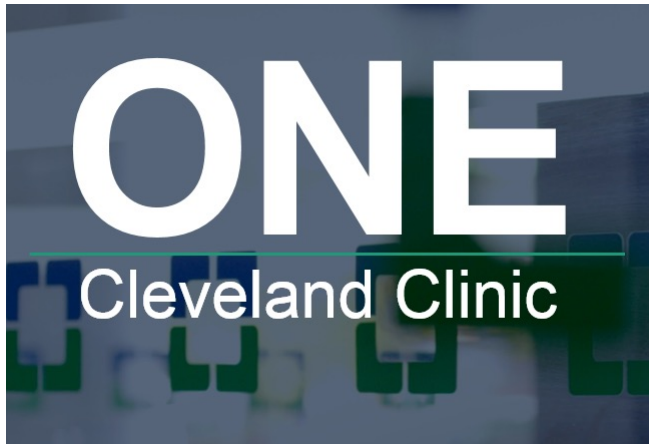


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## Our Culture



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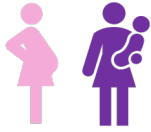
### Areas of Clinical Services and Expertise

- |  |   |  |
|--|---|--|
| <ul style="list-style-type: none"> <li>• Allergy &amp; Immunology</li> <li>• Anesthesiology/Pain Management</li> <li>• Bariatric Surgery</li> <li>• Behavioral Health</li> <li>• Breast Surgery</li> <li>• Cardiology</li> <li>• Cardiac &amp; Thoracic Surgery</li> <li>• Colorectal Surgery</li> <li>• Dermatology</li> <li>• Digestive Diseases</li> <li>• Electrophysiology</li> <li>• Emergency Services</li> <li>• Endocrinology</li> <li>• Family Medicine</li> </ul> | <ul style="list-style-type: none"> <li>• Gastroenterology</li> <li>• General and Minimally Invasive Surgery</li> <li>• Gynecology</li> <li>• Hand &amp; Upper Extremity Surgery</li> <li>• Head and Neck (Otolaryngology)</li> <li>• Hematology &amp; Oncology</li> <li>• Infectious Diseases</li> <li>• Internal Medicine</li> <li>• Interventional Cardiology</li> <li>• Nephrology &amp; Hypertension</li> <li>• Neurology</li> <li>• Neurosurgery</li> <li>• Obstetrics &amp; Women's Health</li> <li>• Orthopedics &amp; Rheumatology</li> </ul> | <ul style="list-style-type: none"> <li>• Pain Management</li> <li>• Pathology &amp; Laboratory Medicine</li> <li>• Pediatrics</li> <li>• Plastic Surgery</li> <li>• Physical Medicine and Rehabilitation</li> <li>• Pulmonary &amp; Critical Care Medicine</li> <li>• Radiation Oncology</li> <li>• Sleep Medicine</li> <li>• Transplantation</li> <li>• Urology</li> <li>• Vascular Medicine</li> <li>• Vascular Surgery</li> <li>• Wound Care</li> </ul> |
|--|---|--|

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## Access, Quality, Value Spotlight

### Mother/Baby



Perinatal Accreditation  
OB Home Care Program

### Family Medicine



213 ambulatory practices  
6 outpatient diagnostic and imaging  
centers

### Urgent Care & Free Standing EDs



7 facilities throughout the region

### Stroke



Joint Commission  
Accredited Stroke  
Centers of Excellence

### Cardiac Care



Recognized by:  
Blue Distinction Centers  
AHA Get With The Guidelines  
Joint Commission

### Behavioral Health



Behavioral Health Social workers  
Inpatient behavioral health adult and peds

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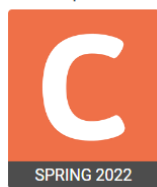
## Leapfrog Scores

This Hospital's Grade



Indian River

This Hospital's Grade



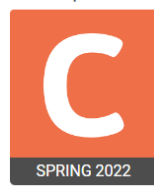
Martin North

This Hospital's Grade



Martin South

This Hospital's Grade



Martin Tradition

This Hospital's Grade



Weston

### Key Initiatives:

- BioCards and MyChart activation
- Serious safety event reviews and tiered huddles
- Pressure Injury Leadership Rounding
- Documentation Practices

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## Our Accomplishments

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TOTAL HEART  
TRANSPLANTS SINCE  
2014  
WESTON



DISEASE SPECIFIC  
CARE CERTIFICATION  
FOR HIP/KNEE TJR  
MARTIN HEALTH

Blue  
Distinction®  
Center

FOR CARDIAC CARE,  
THR/TKR, MATERNITY  
CARE, SPINE  
SURGERY  
INDIAN RIVER



JOINT COMMISSION  
PATIENT BLOOD  
MANAGEMENT CERTIFIED  
MARTIN HEALTH



HIGH PERFORMING FOR 6  
TYPES OF CARE  
HF, CCS, COPD, MI, CVA  
and THR  
INDIAN RIVER



4 YEARS IN A ROW  
RANKED #1 IN MIAMI-  
FT. LAUDERDALE REGION  
#5 HOSPITAL IN FLORIDA  
WESTON



ADVANCED CERTIFICATION  
FOR PRIMARY CARE  
STROKE CENTERS  
MARTIN HEALTH



6 YEARS IN A ROW  
SOUTH FLORIDA'S ONLY  
NATIONALLY RANKED  
GASTROENTEROLOGY & GI  
SURGERY PROGRAM  
WESTON

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## Putting Patient Care First



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# Providing Plan of Care Visits

Plan of care visits guide us to communicate a plan of care for every patient, every day, that is clear to everyone on the team: patient, nurse and provider.



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Cleveland Clinic

CENTER FOR EXCELLENCE IN HEALTHCARE COMMUNICATION

## PLAN OF CARE Visits

**Greet patient, introduce team and collaboratively set agenda**

"GOOD MORNING MRS. ..."

"WE ARE HERE FOR YOUR DAILY PLAN OF CARE"

1

**Get patient's perspective**

"I'M WORRIED ABOUT..."

2

**Invite nurse and team input**

"I'VE NOTICED..."

"CHANGES HAVE BEEN..."

"WHAT ELSE?"

3

**Collaboratively develop a plan including planned discharge date**

"AS A TEAM WE AGREED TO..."

4

**Seek patient's understanding**

"WHAT WILL YOU TELL YOUR FAMILY ABOUT THE PLAN?"

"WAS THIS DISCUSSION HELPFUL TO UNDERSTAND YOUR DAILY PLAN OF CARE?"

5

**Document Plan of Care Visit**

EPIC

6

**Did you know...**

that POCV can save you time by reducing the number of interruptions in your day? Physicians who consistently perform POCV receive significantly fewer calls and pages, saving them time and energy.

**Best practice tips**

- Clinician should notify Health Unit Coordinator or nurse when they are on their way and/or when they arrive on the unit.
- Identifying a regular time for POCV for clear communication.

For more information on Plan of Care Visits, visit: <http://portals.ccl.org/ope/Plan-of-Care-Visits>.

**Plan of Care Visits Key Elements**

- Keep it simple!
  - Provider and nurse meet at patient's bedside to discuss daily **Plan of Care**
  - Include patient, family/designee in discussion
  - Check patient's understanding about "**Plan of Care**"
- Providers announce arrival on floor and/or communicate a fairly predictable time frame for daily rounds to help nurses plan
- Document Plan of Care Visit (POCV) for each patient once per shift when POCV occurs

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## Plan Of Care Visits - Bio Cards



### Richard Rothman, MD

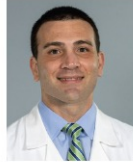
A hospitalist specializes in the care of hospitalized patients. Our hospitalists are board-certified physicians and are *in charge of your care* while you are here.

Nurse practitioners (APRN) and physician assistants (PA-C) work with your hospitalist to coordinate your *plan of care*. Together, they are your medical team and work closely with any specialists you may need during your stay.

We are dedicated to providing you with your comprehensive diagnosis, treatment, and supervision of care throughout your hospital stay.

**Thank you for trusting us with your care.**

If you receive a survey by mail or email, please share your experience with us so we can recognize a job well done or implement any improvements.



Cleveland Clinic  
Indian River Hospital  
772.567.4311  
ext. 1106

### Daily Plan of Care Visit

Your nurse and hospitalist will come to your bedside together to talk with you each day about your *plan of care*.

What will be most helpful for you to discuss during your daily *plan of care* visit?

#### Reason for Admission

- What could be causing my symptoms?
- What are the results of my tests?
- Will I have more tests?
- Will other doctors see me while I am here? If so, which specialties?

#### Medication

- Are you going to change or add any new medications? If so, why?
- What are the possible side effects of my new medications?
- What pharmacy services are available at this hospital?

#### Discharge

- What are my discharge plans?
- Will I have limitations when I go home or special instructions?
- After discharge, will I need to follow up with a medical provider or service? If so, when?

Is there anything about your *plan of care* that you do not understand?

#### My Plan of Care Notes

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Cleveland Clinic believes in High Reliability

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# Cleveland Clinic Price Transparency

August 24, 2022  
Scott Platz  
Senior Director, Pricing

 **Cleveland Clinic**



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# Price Transparency Objectives

- Legislation preparation and compliance
- Do what is right for the patient
- Offer flexibility in:
  - Obtaining an estimate
  - Paying estimated amounts
  - Obtaining financial assistance
  - Learning from discrepancies (est vs actual)

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# Patient Self-Service Estimates

Patient Estimates

Which location would you like to visit for your procedure?

AKRON GENERAL MEDICAL CENTER

AVON HOSPITAL

CCF CLEVELAND CLINIC MAIN

CCF WESTON HOSPITAL

EUCLID HOSPITAL

FAIRVIEW HOSPITAL

HILLCREST HOSPITAL

LODI COMMUNITY HOSPITAL

LUTHERAN HOSPITAL

MARYMOUNT HOSPITAL

MEDINA HOSPITAL

MERCY MEDICAL CENTER

South Pointe Hospital

Patient Estimates

What service would you like?

Search by keyword or CPT® code

Categories **Radiology & Imaging**

178 results for category "Radiology & Imaging"

3D radiographic procedure  
CPT® 76100

Aspiration and/or injection of major joint or bursa without ultrasound guidance  
CPT® 26000

**MyClevelandClinic** | **MyChart**

Estimate for CT Lower Extremity with contrast

This is an estimate for services at Cleveland Clinic Foundation. If you would like to schedule an appointment, or request more information, please call customer service at 866-621-6385.

Reference #4405966916

<b>You Pay</b>	<b>\$2,155</b>	<b>Details</b> Total Charges ① \$2,155 Hospital Charges \$1,858 Physician Charges \$297 You Pay ① \$2,155
----------------	----------------	---

Coverage Information  
 No insurance (self-pay)

Service Location  
 CCF WESTON HOSPITAL

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# Estimates at Scheduling/Registration

**Estimate**

Debridement Subcutaneous Tissue 20 Sq Cm/ < on 8/16/2022

Patient: [Redacted] Guarantor: [Redacted] Primary Coverage: [Redacted]

Search Templates: [Add] [Add ICD Case] [Add ICD Procedure] [Add ICD Procedure]

**PARENT-FLORIDA**

Account Class: Ambulatory Surgery  
 Provider: [Redacted]  
 Service Type: Outpatient Surgical

Hospital Historical Case: CPT® 11042 - DEBRIDEMENT SUBCUTANEOUS TISSUE 20 SQ CM/ <

Charges: 1,466.00 | Allowed: 865.20 | Patient Pays: 0.00

**Professional charges**

Location: PARENT-FLORIDA  
 POS Type: Off Campus - Outpatient Hospi...  
 Service Type: Outpatient Surgical

Professional Procedures: CPT® 11042 - DEBRIDEMENT SUBCUTANEOUS TISSUE 20...

Charge: 367.00 | Allowed: 121.91 | Patient Pays: 0.00

**Provider 2**

Location: PARENT-FLORIDA  
 POS Type: Off Campus - Outpatient Hospi...  
 Service Type: Outpatient Surgical

Professional Procedures: CPT® 00400 - ANES INTEG EXTREMITIES ANT TRUNK &...

Charge: 800.00 | Allowed: 338.82 | Patient Pays: 0.00

**Totals**

Charges: 2,633.00 | Allowed: 1,325.93 | Patient Pays: 0.00

**Insurance benefits**

Pending on 8/5/2022 by System

**Benefit Details**

In Network Responsibility: Total \$5,000.00 General Deductible

Deductible has already been met before this Estimate.

**Benefit Details**

In Network

Deductible: 0.00

Copay: 0.00

PCP CFC VISIT CCF: 20.00

OCCUPATIONAL THERAPY: 40.00

EMERGENCY CCF: 200.00

URGENT CARE CCF: 50.00

PHYSICAL THERAPY: 40.00

SPEECH THERAPY: 40.00

Compliance: 0.00%

CHEMO THERAPY CCF: 0.00%

Outpatient Surgical: 0.00%

MR/CT: 0.00%

DIAGNOSTIC XRAY: 0.00%

DIAGNOSTIC LAB: 0.00%

INPATIENT CHS: 0.00%

HOME HEALTH CARE: 0.00%

Hospital Outpatient: 0.00%

Out-of-Pocket Max: 466.20

**Comments**

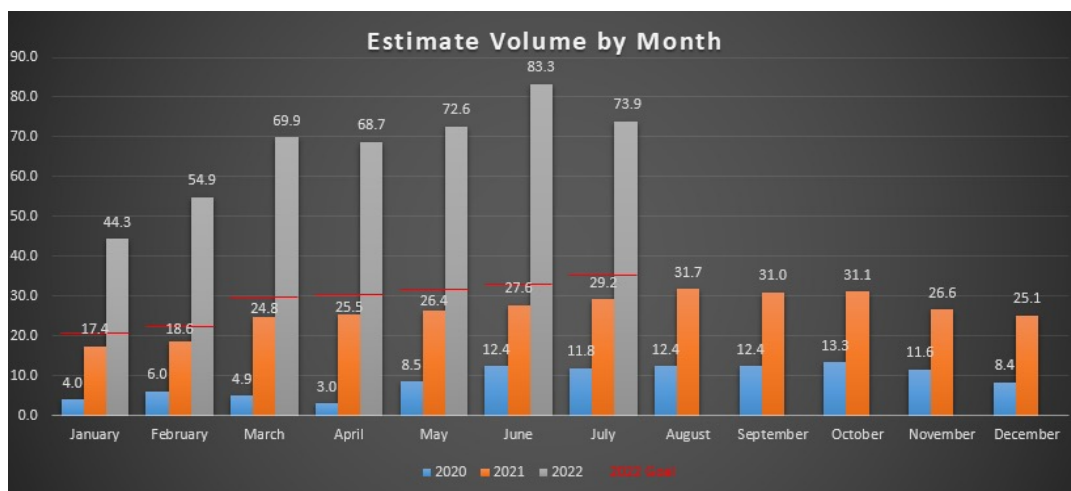
**Payments**

Prepay amount: 0.00

Collect Payment

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## Our Transparency Journey



\*\*Statistics represented at enterprise level

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# Price Transparency Requirements

*Data must be updated at least annually*

## Machine-Readable File (MRF)

- Effective 1/1/21, hospitals required to make public:
- Standard charges in a MRF
  - Billed charges
  - Negotiated rates
  - Cash price
  - Min negotiated rate
  - Max negotiated rate
- One file per hospital
- Use required naming convention

## Rates for 300 Shoppable Services

- Consumer-friendly format
- 70 of 300 services are CMS-specified
- Remaining 230 selected by hospital
- Internet price estimator meets requirements if:
  - At least 300 services including 70 CMS-specified
  - Provides amount that consumers are obligated to pay
  - Prominently displayed on website w/out requirement for user account

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# Compliance and Implementation

*Machine-Readable Files*

- Engage vendor
- Pull files
- Organize into folders and subfolders
- SAS program to collate one file per hospital
- Calculate min/max rates
- Use file naming convention
- Send to digital marketing for posting

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# Compliance & Accuracy

*300+ Shoppable Services*

- Monitored enterprise email box for estimate assistance- 24 hour TAT
- Dedicated team to respond to NSA disputes
- Continuous analysis of charges, contract build, insurance benefit mappings- PDCA



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## Cleveland Clinic

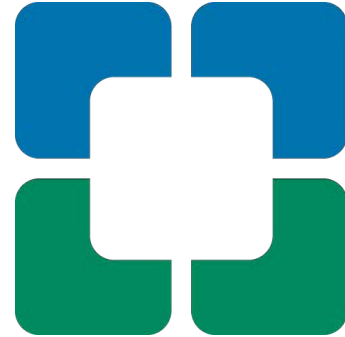
Every life deserves world class care.

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# Cleveland Clinic Florida Cancer Institute

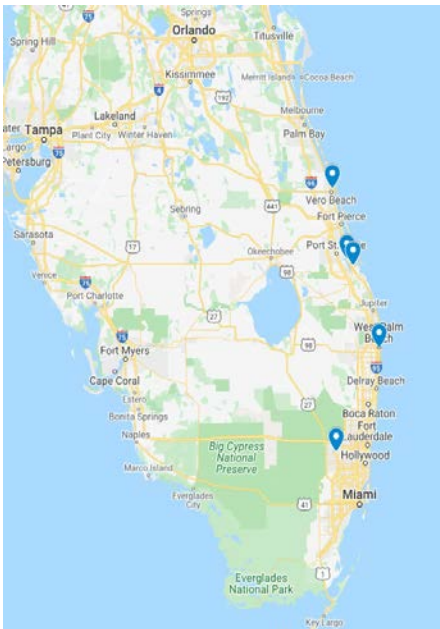
Zeina Nahleh, MD, FACP

Regional Institute Chair for Cancer



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## CC FL Regional Cancer Institute



- 6 locations
  - Weston
    - West Palm Beach
  - Martin County
    - St Lucie County (2)
  - Indian River
- Staff: > 50 providers
- n ~123,000 visits (2021)
  - Hem/Onc Visit n~45,934
  - Radiation Starts n~1,953
  - Radiation Treatments n~ 24,088
  - Infusion Treatments n~51,388



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## Maroone Cancer Center CC- Weston

- Established in 2015
- Multidisciplinary Subspecialty Teams
- Changed designation as “Academic Comprehensive Cancer Program” by CoC, since 2019



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## Robert & Carol Weissman Cancer Center-Stuart



Established in 1999  
Designated as  
“Comprehensive Community  
Cancer Program” by CoC,

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# Scully Welsh Cancer Center-Vero



Established in 2016 (free standing building)  
Designated as “Comprehensive Community Cancer Program” by  
CoC

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## CC FL Regional Cancer Institute

### Academic Comprehensive Cancer Program (Weston)



CLEVELAND CLINIC  
WESTON HOSPITAL  
CLEVELAND CLINIC  
MARTIN HEALTH  
CLEVELAND CLINIC  
INDIAN RIVER HOSPITAL



CLEVELAND CLINIC  
WESTON HOSPITAL  
CLEVELAND CLINIC  
MARTIN HEALTH



CLEVELAND CLINIC  
WESTON HOSPITAL



CLEVELAND CLINIC  
WESTON HOSPITAL  
CLEVELAND CLINIC  
INDIAN RIVER HOSPITAL



## 100,000 +

Patients visits per year, a  
40% volume increase in 5  
years in Weston



## 100+

Patients are accrued to  
clinical trials,  
interventional and non-  
interventional, per year



## 5

Counties in Florida with  
6 Cleveland Clinic  
Cancer locations,



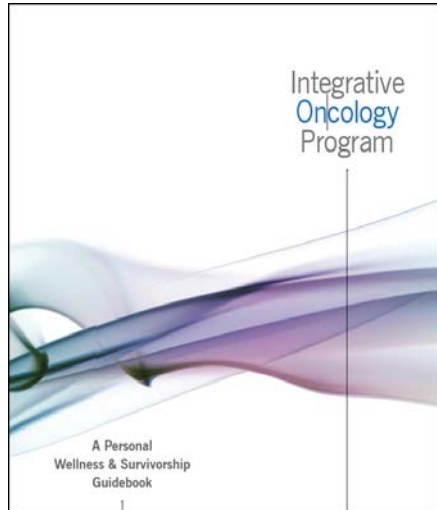
Over 50 providers and specialists hired  
Since 2017, a 100% staffing increase.  
New physicians-scientists recruited

50



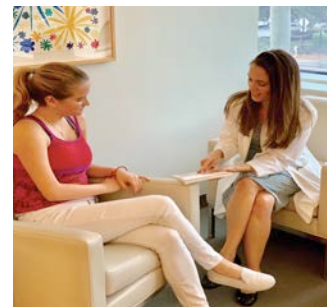


## Philanthropy- Supported Complementary Services



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- Psychologist
- Dietitian
- Music Therapist
- Social Workers
- Licensed Massage Therapist
- Licensed Esthetician
- Art Therapist
- Retail Wellness Agent
- Nurse Navigators
- Financial Navigators
- Genetic Counselor



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# Community Outreach



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# Investigator-Initiated Research

## 130 publications to date

**CASE WESTERN RESERVE UNIVERSITY**  
CASE COMPREHENSIVE CANCER CENTER  
A Cancer Center Designated by the National Cancer Institute

**STUDY NUMBER:** CASE 1130  
**ClinicalTrials.gov NCT #:** NCT04499914  
**Protocol Date:** 04/08/2020

**STUDY TITLE:**  
A Randomized Controlled Trial to Assess the Benefit of Art & Music Therapy on Quality of Life in Patients with Breast Cancer

**PRINCIPAL INVESTIGATOR:**  
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david.miller@ccf.org

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**Clinical Breast Cancer**  
Volume 20, Issue 1, October 2020, Pages 1-10

**Original Study**  
**Elucidating Determinants Among a Real-world Cohort of Cancer Patients: A National Analysis**  
Alyssa B. Stalter<sup>1</sup>, Wei Wei<sup>1</sup>, Annie Gupta<sup>1</sup>, Cassian N. E. Baker<sup>1</sup>

**Share** **Cite**

**Prognostic and Predictive Value of Circulating and Disseminated Tumor Cells in Breast Cancer: A National Cancer Database (NCDB) Analysis**  
Nadine B. Stalter, MD<sup>1</sup>, Leah Elson, MS<sup>1</sup>, Hong Liang, PhD<sup>1</sup>, Elizabeth Blomberg, PhD<sup>1</sup>, Rafael Arreola-Risquez, MD<sup>1</sup>, and Zena Nahleh, MD<sup>1</sup>

**Abstract**  
Background: The understanding of the utility of circulating tumor cells (CTCs) and disseminated tumor cells (DTCs) in breast cancer is limited. The aim of this study was to evaluate the prognostic and predictive value of CTCs or DTCs in breast cancer. In the breast cancer database, we evaluated the prognostic value of CTCs or DTCs in breast cancer. We evaluated the prognostic value of CTCs or DTCs in breast cancer. We evaluated the prognostic value of CTCs or DTCs in breast cancer.

**Keywords**  
Breast cancer, circulating tumor cells, survival, chemotherapy, cancer treatment

**BMC Cancer**

**RESEARCH ARTICLE** **Open Access**

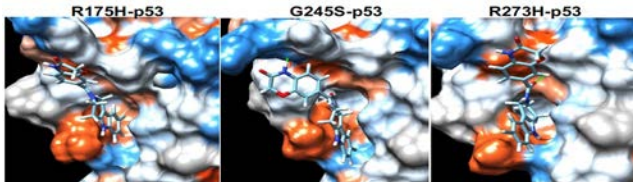
**A pilot study of improved psychological distress with art therapy in patients with cancer undergoing chemotherapy**  
E. B. Stalter<sup>1</sup>, E. Blom<sup>1</sup>, E. Stalter<sup>1</sup>, R. S. Baker<sup>1</sup>, M. D. Stalter<sup>1</sup>, C. Nahleh<sup>1</sup>, A. Padgett<sup>1</sup>, and Z. A. Nahleh<sup>1</sup>

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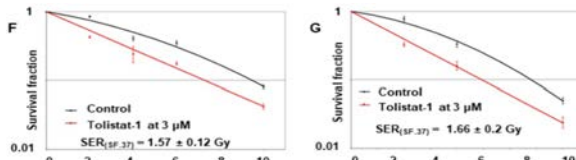
# Cancer Research at FRIC

- A novel drug **Tolistat-1** is being developed at CC for mutant p53 targeting (Dr A. Nikolaev)

Tolistat-1 targets multiple p53 “hotspot” mutations



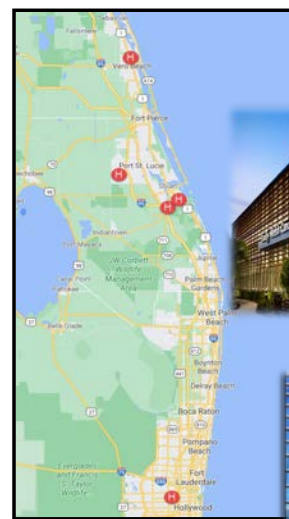
Tolistat-1 sensitizes tumor cells to radiation treatment



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# Growth Plans

- Continued Cancer Practice Integrations with CCIR & CCMH
- Growth in target markets
  - Expand to Sebastian area
  - Comprehensive Care in St Lucie County
  - Comprehensive Care in WPB area
- Outreach and Fostering Partnerships
  - e.g. preferred provider for second opinion & preferred provider for other employers
- Capital, Space & Service expansion
  - BMT in Weston
  - Hyperthermia technique in Weston, 3<sup>rd</sup> Linac
  - Chemotherapy in St Lucie/Tradition hospital
  - New Technology for Radiation Oncology at CCIRH



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## INNOVATION IN CARDIAC CARE

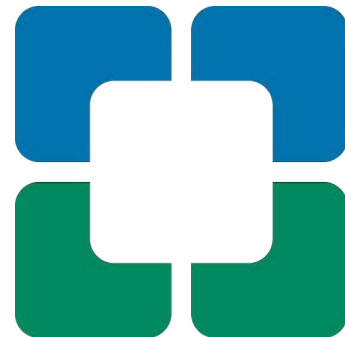
Robotic Cardiac Surgery

HEART VASCULAR & THORACIC INSTITUTE

Cleveland Clinic Florida

**Jose L. Navia, MD, FACC**

Director Florida Regional Heart and Vascular Institute  
Director of Heart and Vascular Center Weston  
Chairman of Cardiothoracic Surgery



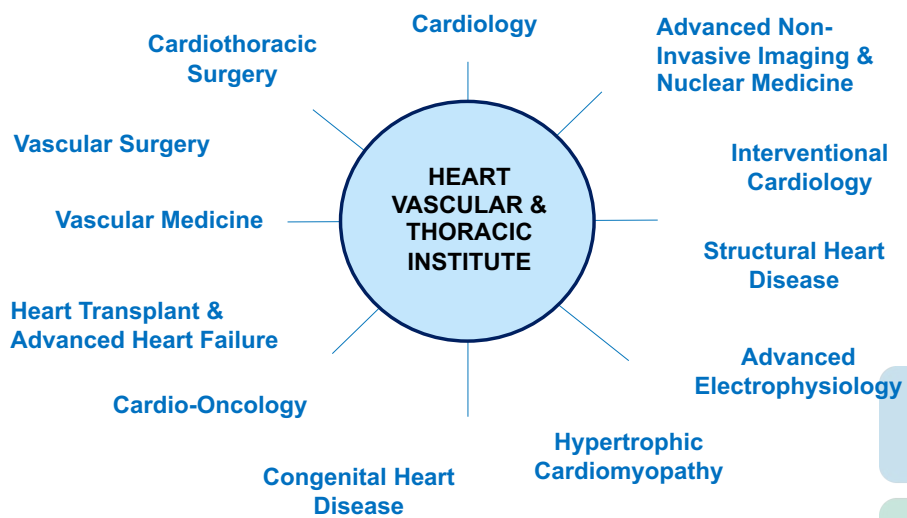
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## Cleveland Clinic Florida Weston Campus



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## CLEVELAND CLINIC FLORIDA



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# Vision

Our goal is to deliver the highest quality cardiovascular care by implementing the latest minimally invasive technologies



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## MINIMALLY INVASIVE VALVE PROCEDURES

### ADVANTAGES

- Decreases chest trauma, bleeding and infection
- Shorter ICU and hospital stays
- Early Physical Recovery
- Cosmetically more attractive
- Better pulmonary function
- Less risk at reoperation

### DISADVANTAGES

- Technically more demanding



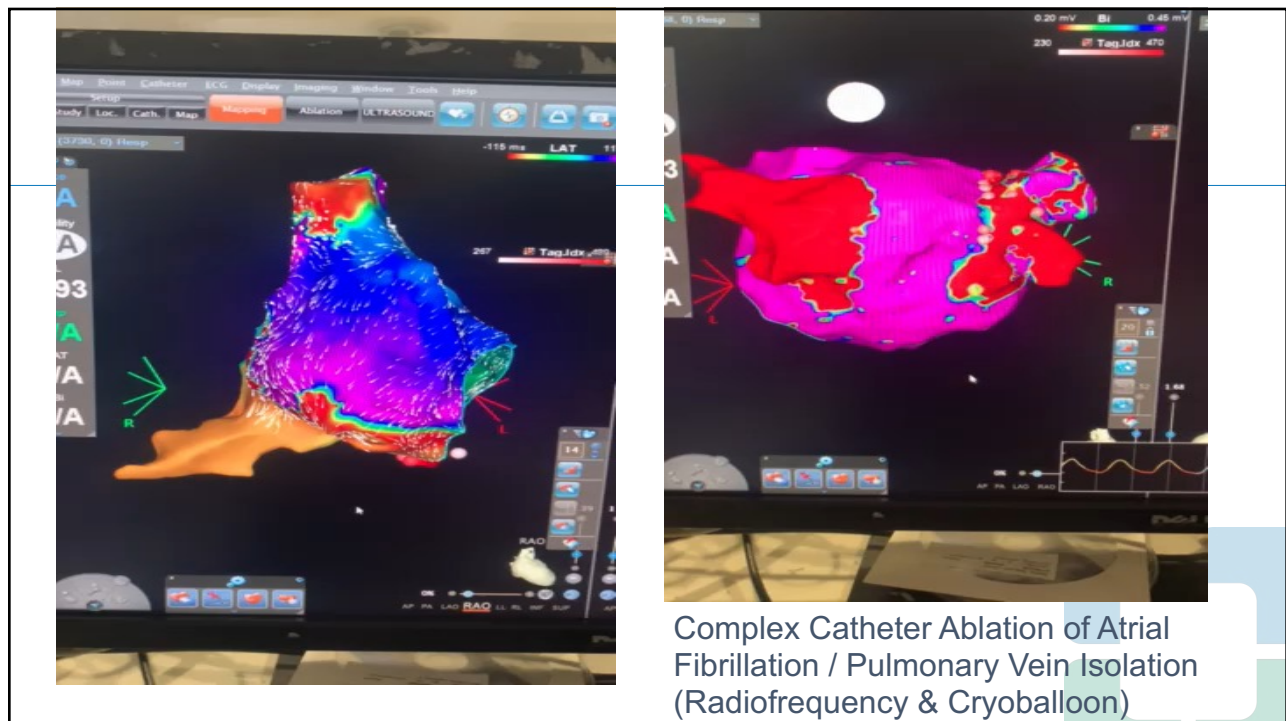
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# Electrophysiology Innovations

## Catheter Ablation of Atrial Fibrillation



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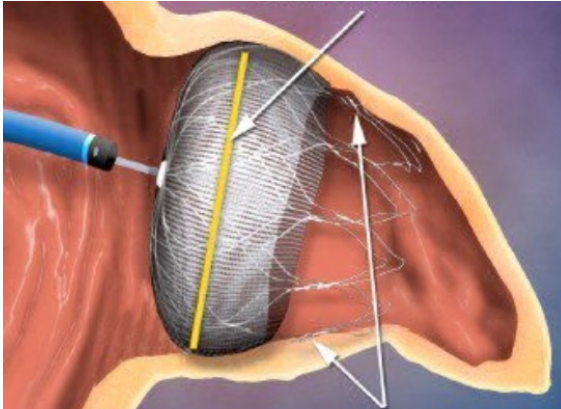


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## Atrial Fibrillation STROKE PREVENTION

### Watchman (LAA Closure)



> 300 implants at CCF



FDA APPROVED patient who are poor candidates for chronic AC therapy

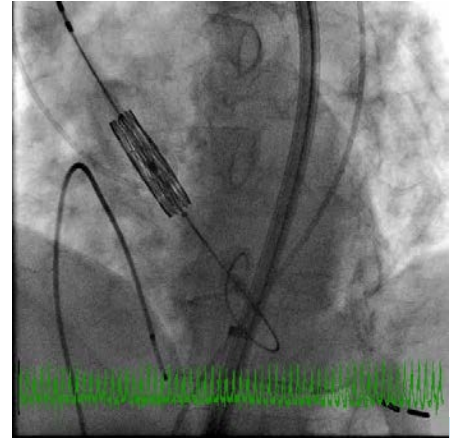
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## Structural Heart Disease Innovations



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## TAVR: Transcatheter Aortic Valve Replacement



**AORTIC STENOSIS**

**TAVR**

- 45 minute procedure
- Local anesthesia
- 2 small incisions
- Home in 2 days
- Risk <1-2%

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## Transcatheter Mitral Valve Procedures

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## Transcatheter Mitral Valve Repair



MITRACLIP



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## Robotically Assisted Cardiac Surgery



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## MINIMALLY INVASIVE Robotically Assisted Cardiac Surgery

### ADVANTAGES

Decreases chest trauma  
Decrease bleeding and infection  
Shorter ICU and hospital stays  
Early Physical Recovery  
Cosmetically more attractive



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## Clinical Innovations

- Plays an important roll in creating and sustaining successful medical growth
- Focusing on unmet clinical needs in the field of cardiovascular medicine with the ultimate goal of improving patient care and outcomes

*Jose Luis Navia, MD*



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## Vision for the Future

Innovation

+ Quality

+ Teamwork

= Growth



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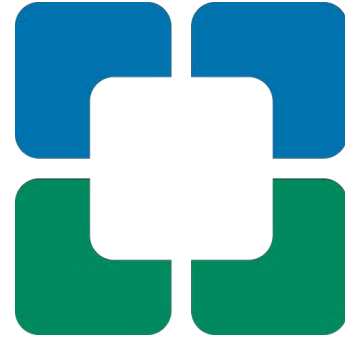


# Cleveland Clinic

Every life deserves world class  care.

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# Any Questions?



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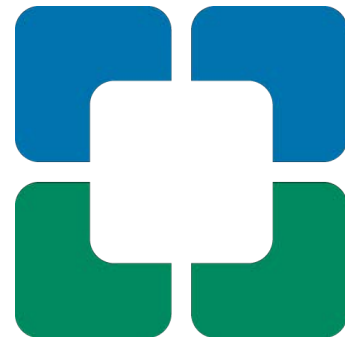
# Thank you!

**How can I be reached:**

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**Phone: (305) 240-4681**



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