WEBINAR

Ultrasound Guidance for Safe Brazilian Butt Lifts: Precision BBL Techniques from the Expert

July 2022





Your Host



Dr. Oron Frenkel, MD, MS

Emergency Physician & POCUS Educator Chairman, Clarius Medical Advisory Board



Urgent Warning to Surgeons Performing Fat Grafting to the Buttocks (2018)

"FAT SHOULD ONLY BE PLACED IN THE SUBCUTANEOUS TISSUE. IT IS EASY TO UNINTENTIONALLY ENTER THE MUSCLE DURING SUBCUTANEOUS INJECTION."

Dan Mills, MD, I. Peter Rubin, MD, Renato Saltz, MD. The Multi-Society Task Force for Safety in Gluteal Fat Grafting (ASAPS, ASPS, ISAPS, IFATS, ISPRES) Source: https://pubmed.ncbi.nlm.nih.gov/35404456/









URGENT WARNING TO SURGEONS PERFORMING FAT GRAFTING TO THE BUTTOCKS (Brazilian Butt Lift or "BBL")

This urgent advisory is in response to the alarming number of deaths still occurring from the

The Multi-Society Task Force for Safety in Gluteal Fat Grafting (ASAPS, ASPS, ISAPS, IFATS, ISPRES), representing board-certified plastic surgeons around the world, recently released a practice advisory). Additionally, the Task Force is conducting anatomic studies to develop

Since the release of the practice advisory, deaths from this procedure continue to be reported. The unusually high mortality rate from this cosmetic procedure is estimated to be as high as

The cause of mortality is uniformly fatal fat embolism due to fat entering the venous circulation associated with injury to the gluteal veins. In every patient who has died, at autopsy, fat was In no case of death has fat been found only in the subcutaneous plane.

The Task Force has therefore concluded that: FAT SHOULD NEVER BE PLACED IN THE MUSCLE. FAT SHOULD ONLY BE PLACED IN THE SUBCUTANEOUS TISSUE.

If the desired outcome might require another procedure, then manage the patient's expectations and discuss the possibility of staging (as often done with fat injections, hair trans-

IT IS EASY TO UNINTENTIONALLY TUT

BBLs Still Resulting in Fatal Fat Embolisms





Source: NBC 6 Miami
(https://www.nbcmiami.com/investigation
s/board-takes-action-following-brazilianbutt-lift-deaths/2776749/)

The Florida Board of Medicine met in Orlando to take action to try to make Brazilian butt lift surgeries safer. NBC 6's Myriam Masihy reports

Practice Advisory on Gluteal Fat Grafting



result of fatigue and/or distraction, which has been linked to surgical mortality in mu communications. In addition, mortality is likely due to uncertainty or lack of docur

Therefore, the newest and most compelling recommendations fron

"the newest and most compelling recommendations from these guidelines include the use of ultrasound-guided documentation of cannula placement prior to and during fat injection, and the limitation of 3 BBL cases ... per day.

Del Vecchio D, Kenkel J. Practice Advisory on Gluteal Fat Grafting. Aesthet Surg J. 2022 Apr 11:sjac082. doi: 10.1093/asj/sjac082. Epub ahead of print. PMID: 35404456. Source: https://pubmed.ncbi.nlm.nih.gov/35404456/

Practice Advisory on Gluteal Fat Grafting



RON DESANTIS

CORD BYRD Secretary of State

June 15, 2022

Governor

Cassandra Fullove Paralegal Specialist Office of the Attorney General PL 01. The Capitol Tallahassee, FL 32399

Dear Cassandra Fullove:

Your adoption package for Emergency Rule 64B8ER22-3, F.A.C. was received, electronically, by the Florida Department of State, Administrative Code and Register at 4:48 p.m. on June 14, 2022. After review, it appears that the package meets statutory requirements and those of Rule 1-1.010, F.A.C. and is deemed filed for adoption at the time received, as indicated above. The effective date is June 14, 2022.

Sincerely,

Anya C. Owens Program Administrator

ACO/mas

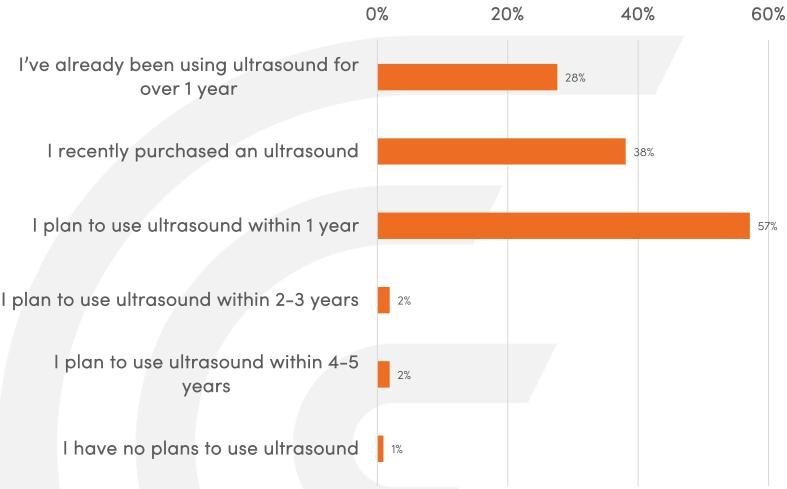
"The surgeon performing the procedure must use ultrasound guidance when placing and navigating the canula and injecting fat into the subcutaneous space to ensure the fast is placed above the fascia overlying the gluteal muscle."

Source: Florida Board of Medicine (https://flboardofmedicine.gov/pdfs/64B8ER22-3emergency-rule.pdf



Poll

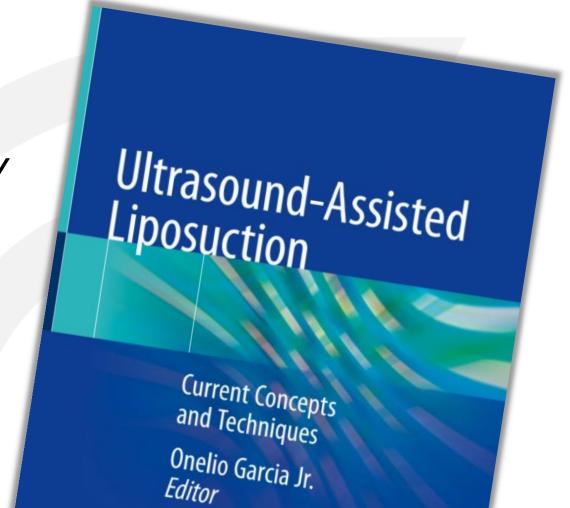
In what timeframe do you plan to add ultrasound to your plastic surgery practice to improve patient safety?



UltraBBL: Brazilian Butt Lift Using Real-Time Intraoperative Ultrasound Guidance

"Real-time intraoperative ultrasound-guided fat grafting allows the surgeon to consistently avoid penetrating the deep gluteal facia and prevent an inadvertent intramuscular fat graft injection."

Dan Mills, MD, J. Peter Rubin, MD, Renato Saltz, MD. The Multi-Society Task Force for Safety in Gluteal Fat Grafting (ASAPS, ASPS, ISAPS, IFATS, ISPRES) Source: https://pubmed.ncbi.nlm.nih.gov/35404456/



Your Expert Speaker



Pat Pazmiño, MD, FACS

Board-Certified Plastic Surgeon



Ultrasound Guidance for SAFE Brazilian Butt Lifts...

(and 5 other amazing ultrasound tricks for plastic surgeons)

Pat Pazmiño, MD Miami, FL

My contact info...

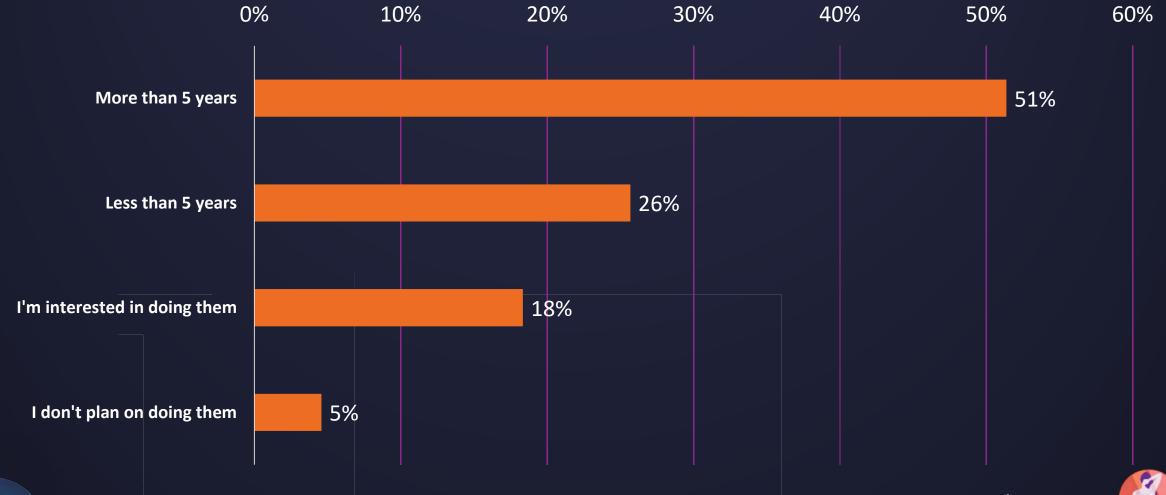
- On your cell phone, open any browser
- Type in...

drp.miami

(try it!)



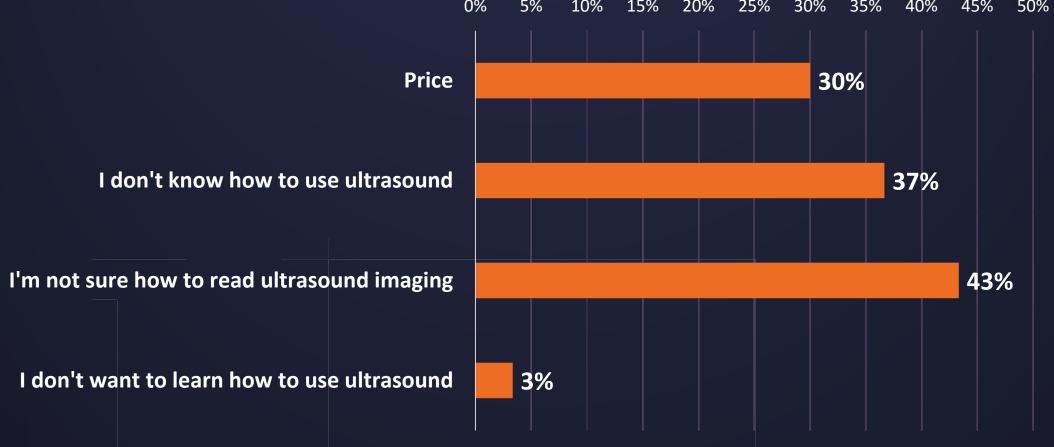
How long have you been doing Brazilian Butt Lifts?



Try this on <u>TOMORROW's BBL</u>: <u>Any</u> ultrasound will work!!



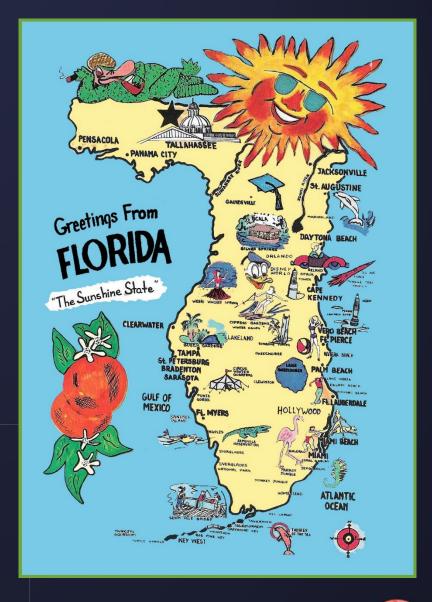
If you're not using ultrasound today, why not?



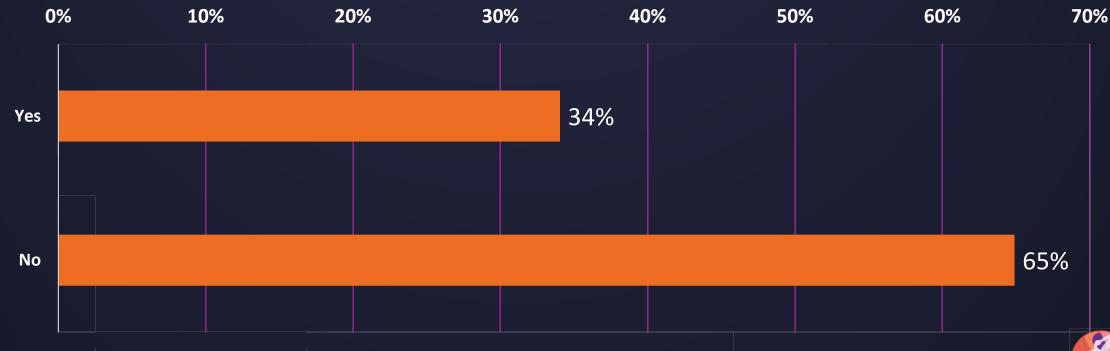


What's New in Florida??

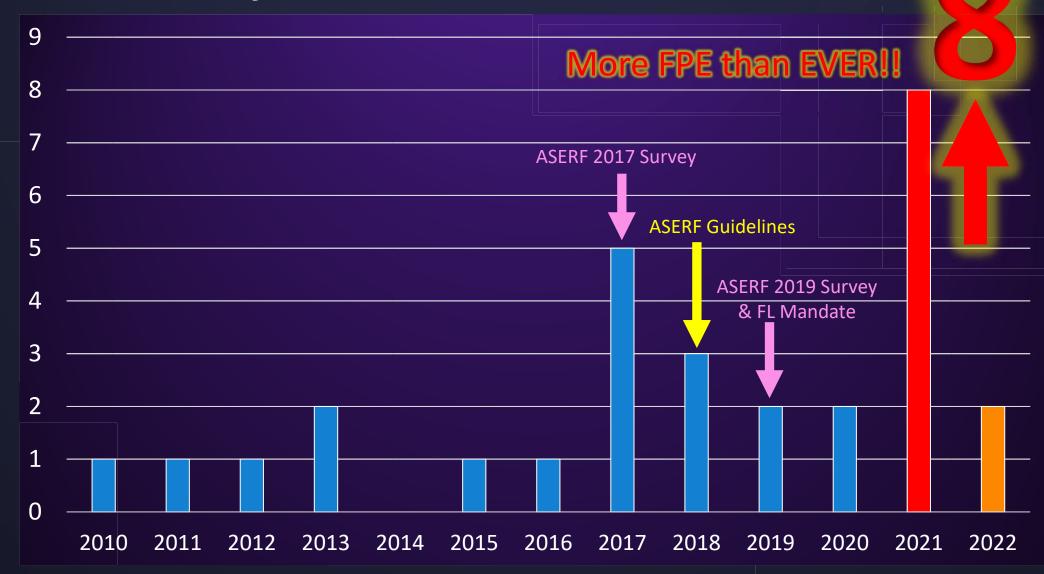
- FL Board of Medicine
 - 2019: Mandated all gluteal fat grafting ABOVE the muscle (g max)
 - 1st state to mandate surg procedure
 - Violators can LOSE their medical license!







Miami FPE after BBL: 2010 to 2022...





- 3 Surgeons each with a BBL death!
 - Surgeon A (board cert): "6,000 BBLs"!

• Surgeon B (board cert): "7,500 BBLs"!!

Surgeon C (non ABPS)



- 3 Surgeons each with a BBL death!
 - Surgeon A (board cert): "6,000 BBLs"!
 - Med license restricted from doing a BBL for 1 yr
 - Surgeon B (board cert): "7,500 BBLs"!!

Surgeon C (non ABPS)



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 - Surgeon B (board cert): "7,500 BBLs"!!
 - Med license restricted- can <u>never</u> do a BBL again
 - Surgeon C (non ABPS)



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 - Surgeon B (board cert): "7,500 BBLs"!!
 - Med license restricted- can never do a BBL again
 - Surgeon C (non ABPS)
 - Med license <u>revoked</u>

Reference: NBC 6 Miami: "Board Takes Action Following Brazilian Butt Lifts": Myriam Masihy June 3, 2022



Pat Pazmiño, MD

- Surgeon B (board cert): "7,500 BBLs"!!
 - Med license restricted- can never do a BBL again

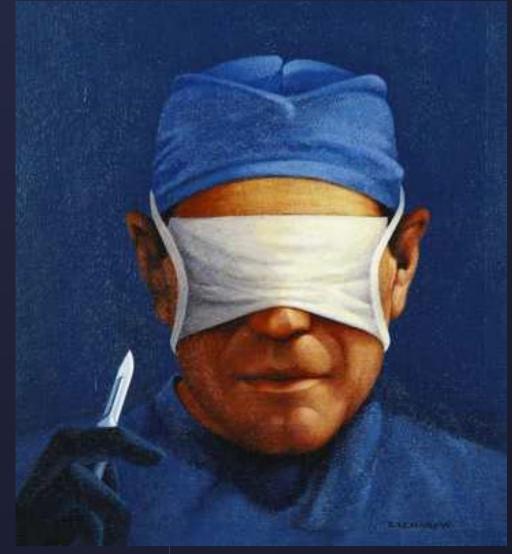
"This case has confirmed for him that it is simply too difficult to ensure during this blind procedure that he is in the appropriate place, and thus it is not a procedure he wants to perform again."

> Reference: NBC 6 Miami: "Board Takes Action Following Brazilian Butt Lifts": Myriam Masihy June 3, 2022



Pat Pazmiño, MD

BLIND Nature of BBLs Killing patients Hurting surgeons



- Noted health emergency
 - Emergency Rule for 90 Days:



- Noted health emergency
 - Emergency Rule for 90 Days:
 - Surgeons can only do 3 BBLs a day



- Noted health emergency
 - Emergency Rule for 90 Days:
 - Surgeons can only do 3 BBLs a day
 - Every BBL must use ultrasound and have date and time stamped ultrasound video in patient chart

Reference: NBC 6 Miami: "Board Takes Action Following Brazilian Butt Lifts": Myriam Masihy June 3, 2022



Pat Pazmiño, MD

IN THE MIDST OF EVERY CRISIS, LIES GREAT OPPORTUNITY

ALBERT EINSTEIN





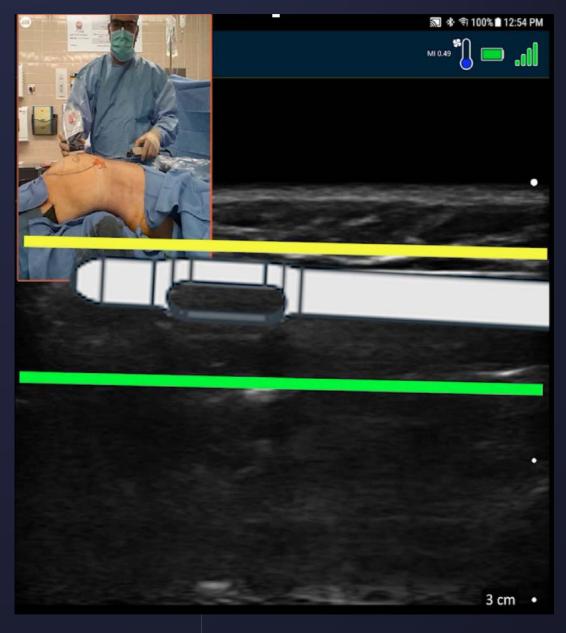
Opportunity...

- Cut off our blindfold
- Become safer and better surgeons



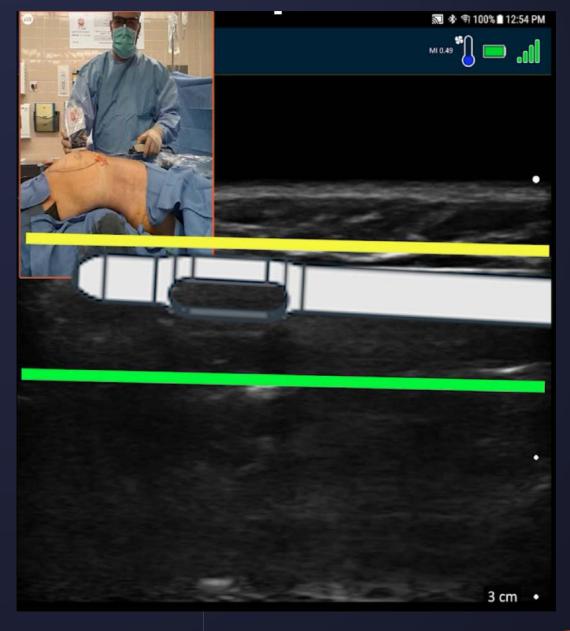


SAFER FASTER BETTER





tra GFG ultra SAFE





Which ultrasound do plastic surgeons need??

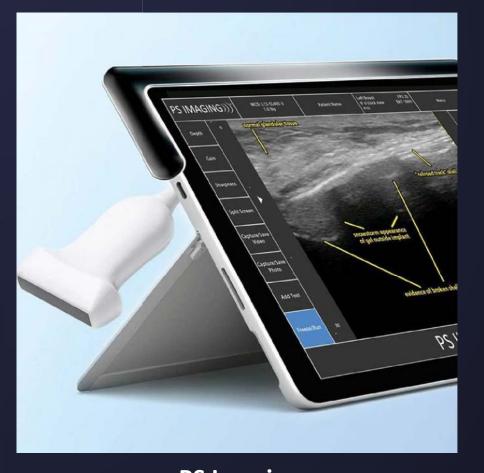
- Linear probe
- HIGH FREQUENCY: 11-20mHz
 - The higher the frequency, the less deep it can see
 - The higher the frequency, the better resolution.
 - Easier to see anatomy
 - Portable
 - Wireless



2022 Portable Ultrasound Systems







Butterfly iQ \$2,399 +annual sub

Medium Resolution

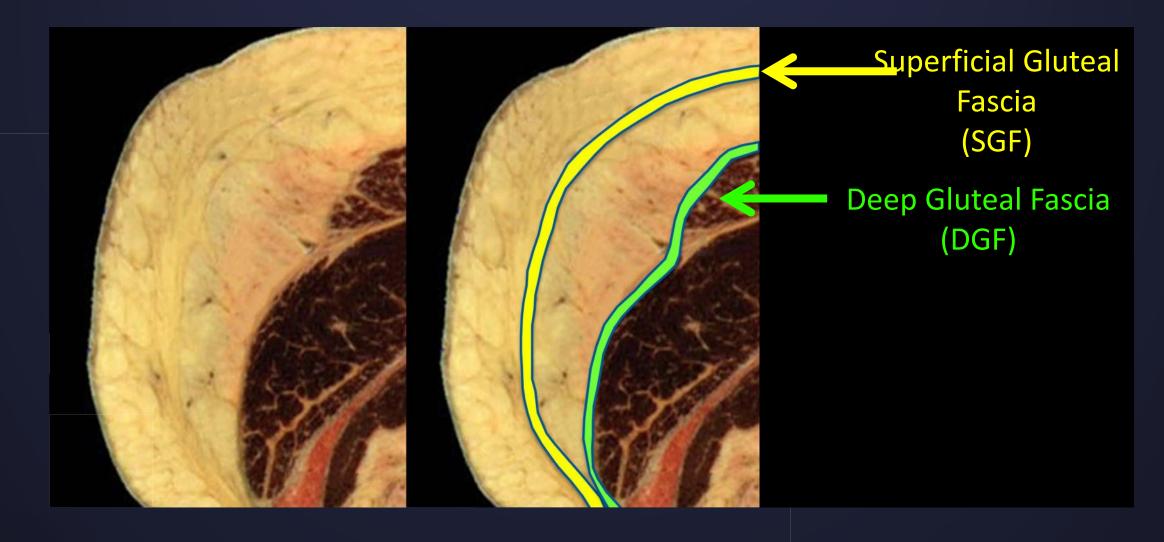
Clarius \$2,995+membership **PS Imaging \$17,000**

HIGH Resolution

HIGH Resolution



There are <u>TWO</u> gluteal fasciae!



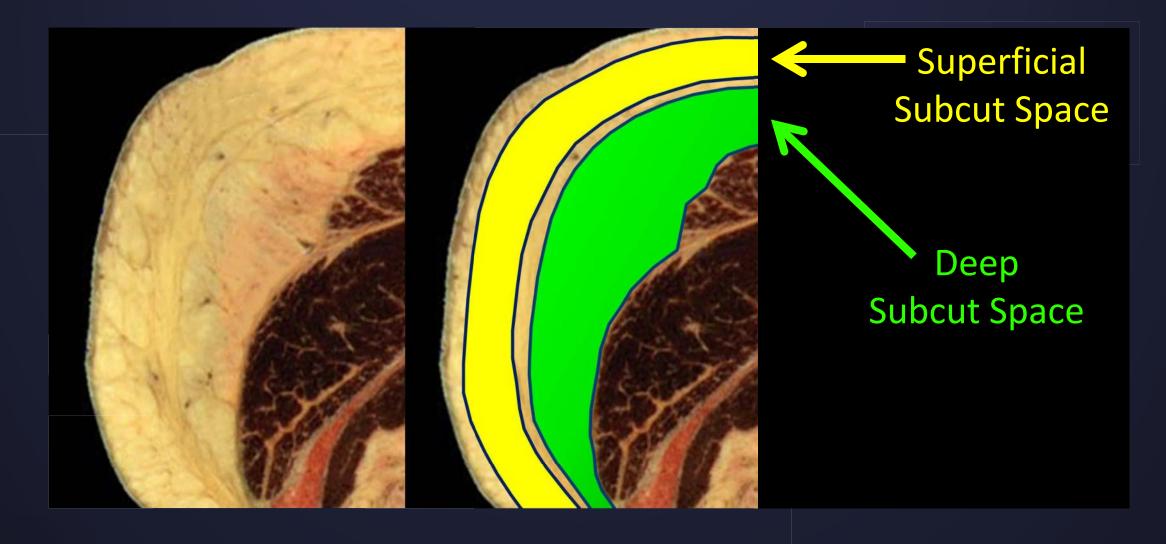


Ultrasound Gluteal anatomy

SGF is like bubble wrap!

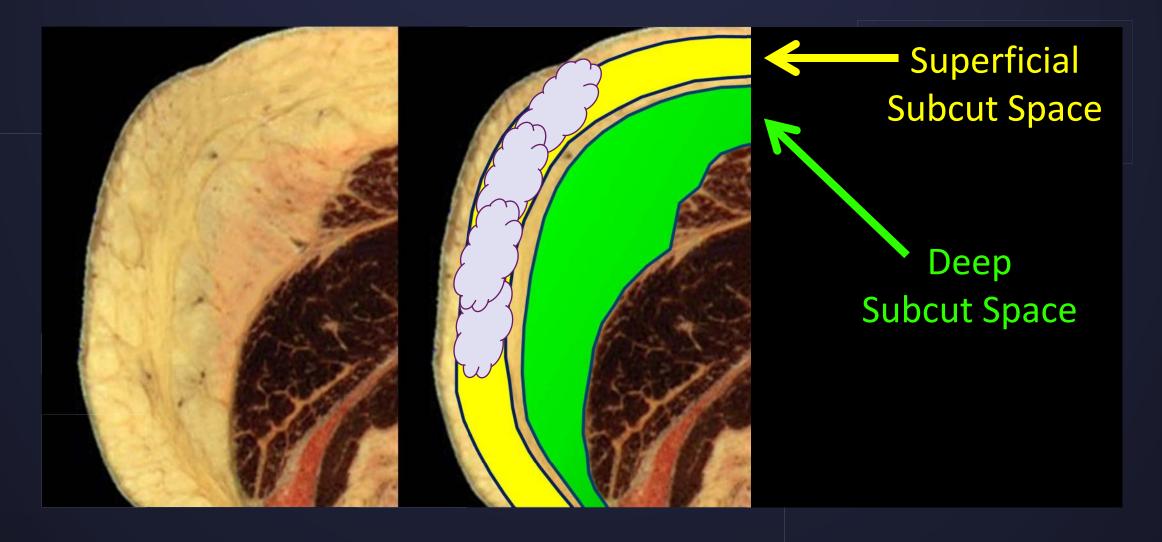


Fat graft flows more easily in DEEP subcut space



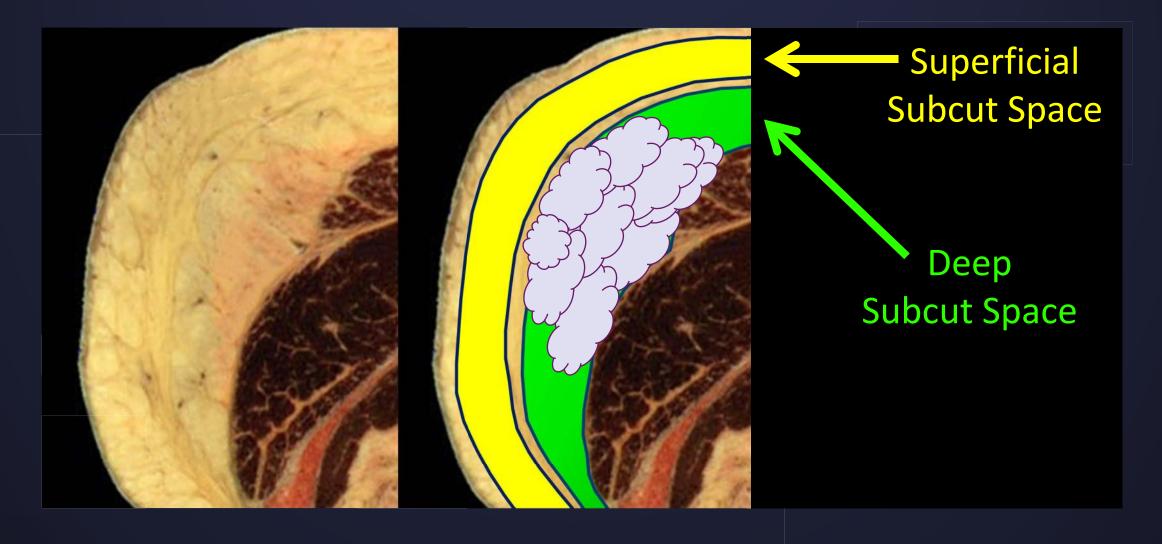


Too much fat graft in superficial space FLATTENS



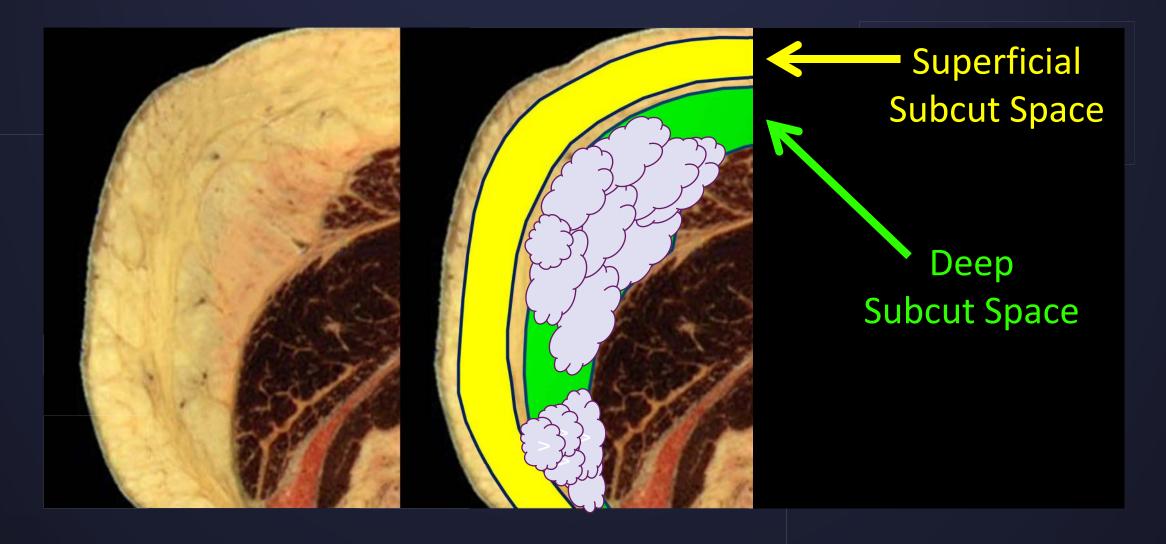


Fat graft flows more easily in DEEP subcut space





Fat graft flows more easily in DEEP subcut space







Targeted fat grafting

• Ultrasound allows you to precisely add fat graft in either Subcut compartment!

Deep Subcut Compartment #1

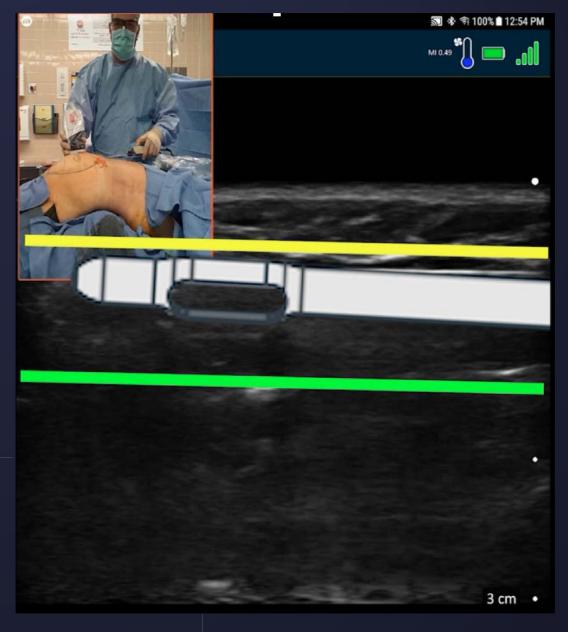
- Subfascial fat "implant"
- Central Dome Projection
- Perkiness

0:51





- Any patient (even thin ones)
- Any position
- Any cannula
- Any incision
- Any injection system
- No additional OR time
- \$5 per case



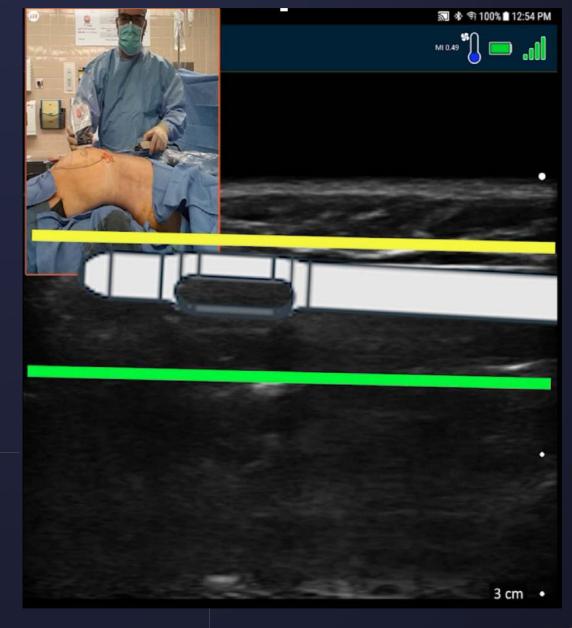




Ultrasound in the OR

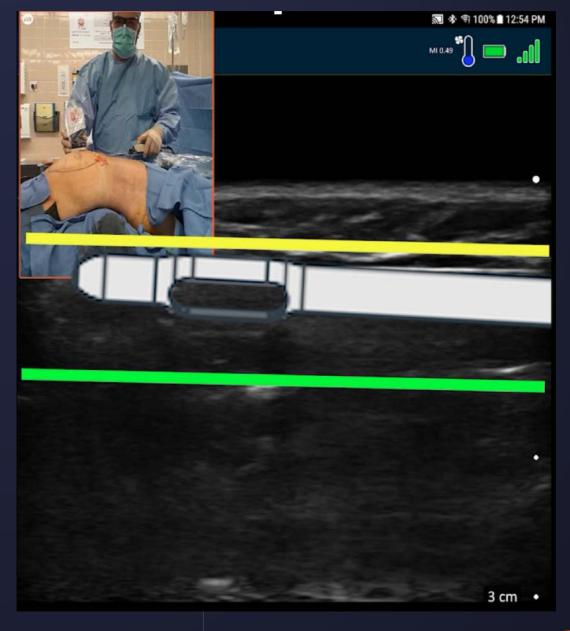
- ANY surgeon
- Safe
- Reproducible
- Teachable

This makes the...



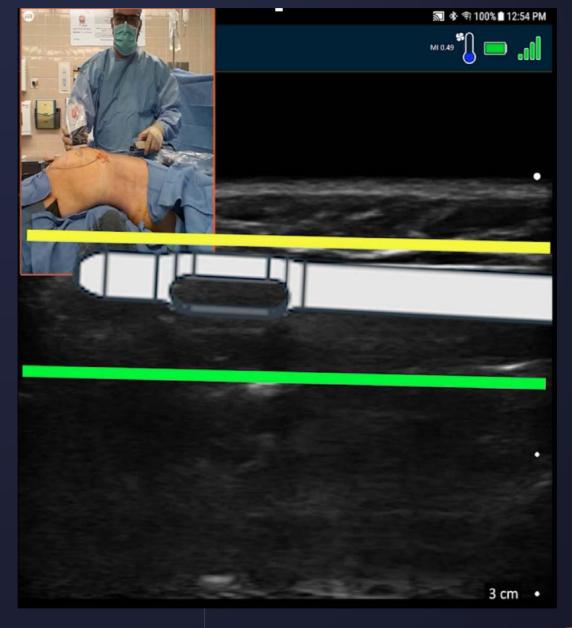


tra GFG ultra SAFE



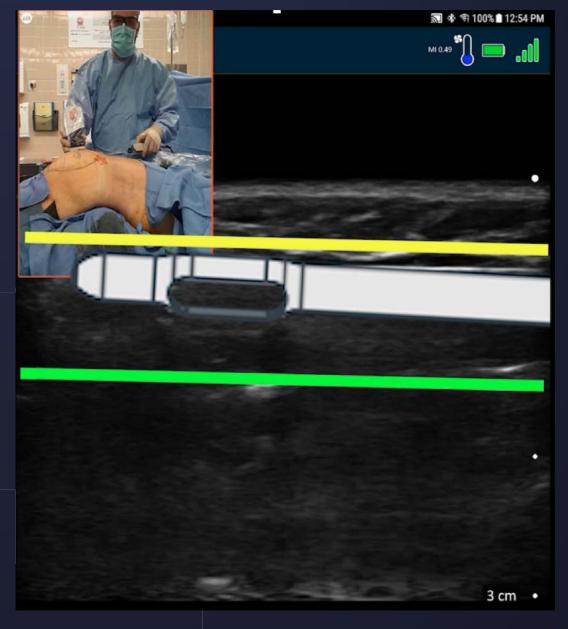


ultra GFG ultra FAST





tra GFG ultra BETTER

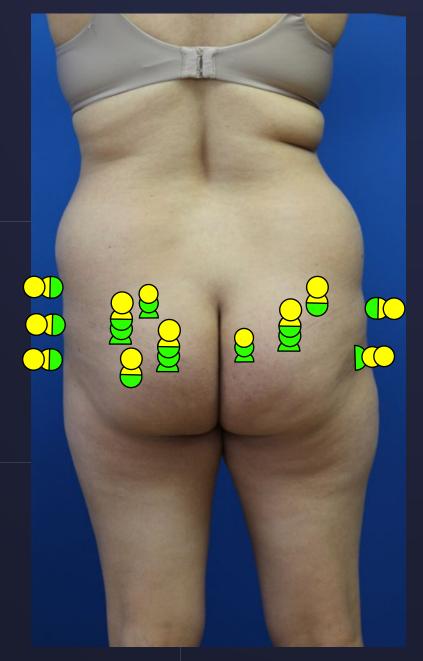




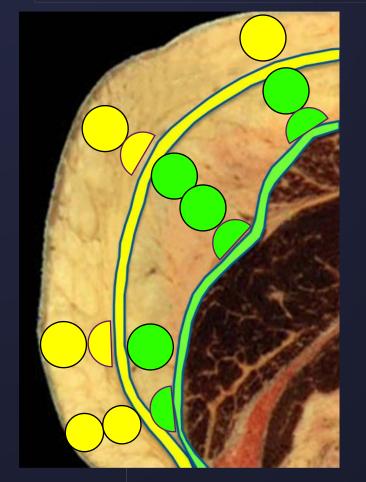
5 ulfra tips 5 N

Minutes...











PreOp Volume Estimates

Fill Volume: πr^2 x height x 2

12 cm Diameter:

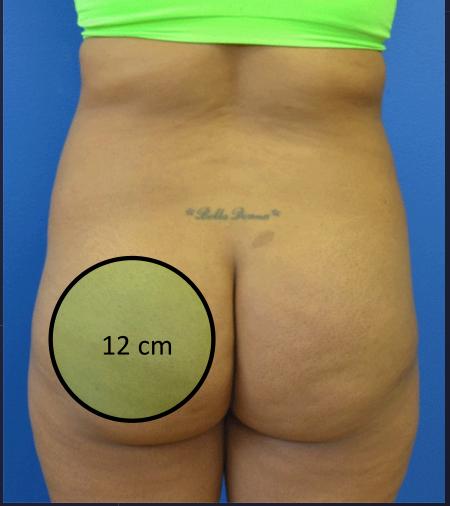
 $\pi \times (12/2)^2 \times \text{height} \times 2 = 450 \text{ cc}$

<u>2 cm</u>

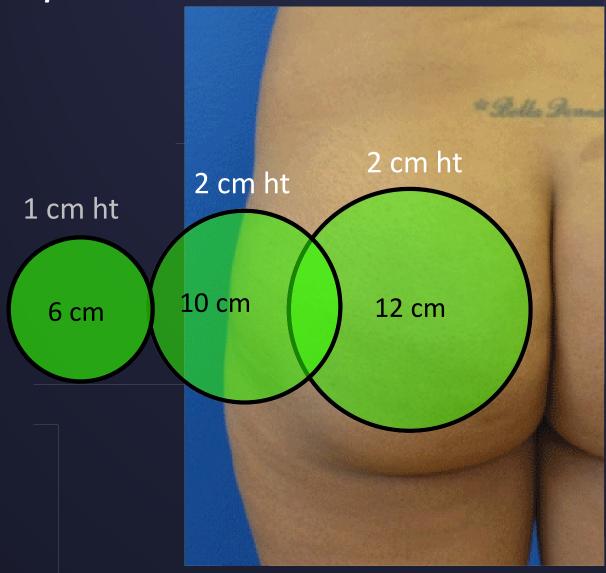
2 cm

2 cm





PreOp Volume Estimates









450 cc



55+315+450 = **820** cc ONLY in Deep Subcut Space

Pat Pazmiño, MD

Before and After Results





#2



PostOp Edema vs Seroma

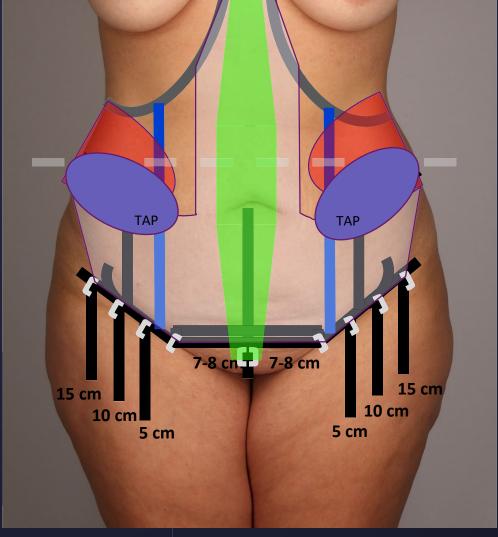
- Mgt of PostOp edema vs seroma
- Staff identity seromas with clinic ultrasound (easy!)
- MD confirms
- MD aspirates
- Pt love flatter look!
 - A little too much...
- Second opinion



Abdominoplasty: TAP Block Intra-Op

Midline

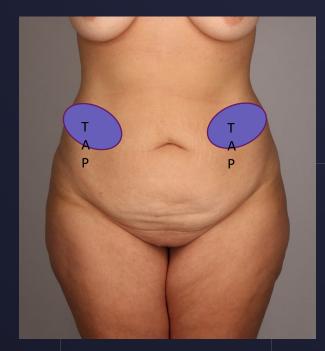
- Central limb
- Lateral limbs & swoosh
- Lifeboat
- Lipo: Waist to iliac crest
- Extent of undermining
- Semilunaris definition
- Plication
- Level of umbilicus
- Ultrasound guided TAP Block



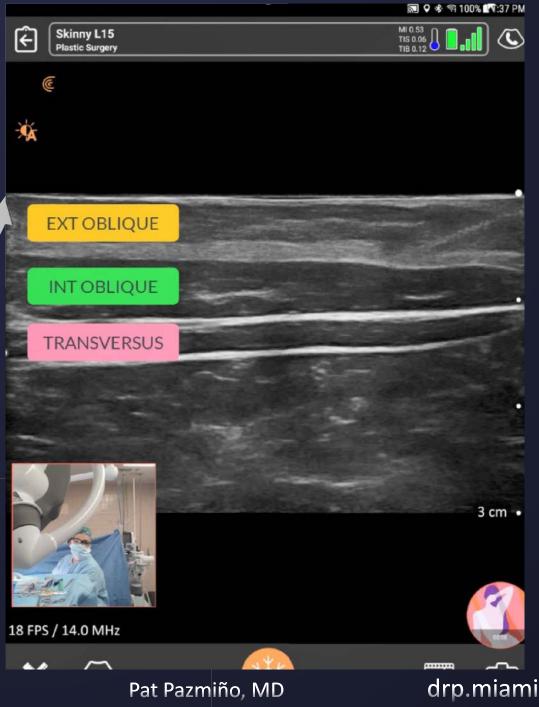
TAP Block

- **Ultrasound Guided**
- 0.25% Marcaine + epi
- 1-2 min / side

#3



No Skin/ subcut Layer

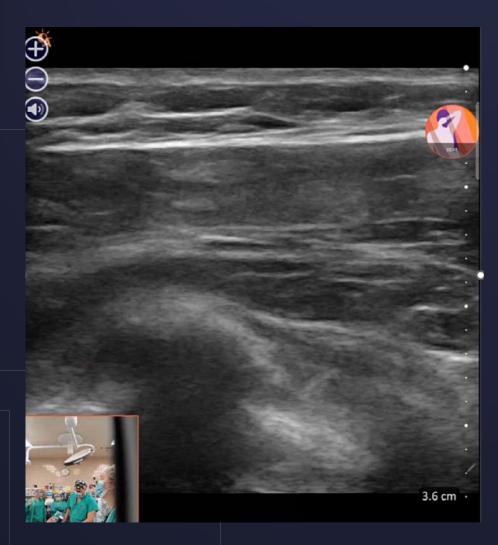






Breast Surgery: PECS II & I Blocks





- Before every breast lift, aug
- PECS I
 - Under pec major, above pec minor
- PECS II
 - Under pic minor, above serratus
 - PECS II then PECS I





Practice makes Perfect

- Ultrasound is the stethoscope of the 21st Century
- Stethoscope... practiced on friends & family
- Ultrasound... practice!
- Plastic Surgeons: Anatomy is beautiful & straightforward
- Look for opportunities to practice
 - Patients (PreOp, IntraOp, PostOp)
 - Clinic, OR
 - Home!

Ultrasound: an incredible <u>new</u> tool for Plastic Surgeons

- PRESERVE and RESPECT subcutaneous anatomy
- PLAN surgical procedures
- Target & RELEASE specific fibrous structures
- Target & PRECISELY FILL any Subcut space



Ultrasound Frontiers in Plastic Surgery

- Gluteal Fat Grafting is the Tip of the Iceberg!
 - PRECISE breast fat grafting
 - Breast Implant Assessment
 - PreOp BodyMaps
 - PeriOp Tissue assessment
 - Seroma mgt
 - TAP Blocks, Pec Blocks
 - Vein ablation (yuck!)
 - Facial applications !!!
 - And so much more!





Call to Action!

- Portable ultrasound: Try it!!
 - Its cheap (\$2000-\$4900)
 - No disposables (\$5 per case)
 - Can be used in the OR and clinic

- Ask for an ultrasound course at our meetings!
- (Invite me back!!)

Thank you for your attention and time!

It's an <u>honor</u> to present to my colleagues and I am very excited to see the new applications all of you will come up with so that I can learn from you!

Live Demonstration



Dr. Oron Frenkel

Emergency Physician & POCUS Educator Chairman, Clarius Medical Advisory Board



6 Ways Ultrasound is Essential

- 1. Get ahead of evolving regulations.
- 2. Plan for safer and better cosmetic outcomes.
- 3. See your cannula for <u>safe</u>, <u>accurate</u> placement.
- 4. Reduce pain with guided nerve blocks.
- 5. Accurately identify and aspirate seromas.
- 6. Improve patient confidence and referrals.





"I was really excited, we talked about the procedure and about how he does it, a little bit differently with the ultrasound technology that it makes it so much safer."

- Patient of Dr. Pazmiño





Poll

What additional information would you like?



Clarius L7 HD3

- 30% Smaller & More Affordable
- Wireless Freedom
- High-Definition Imaging
- Easy App for iOS & Android
- Advanced Plastic Surgery
- Clarius Cloud Storage
- Clarius Live Telemedicine
- Unlimited Users



Thank you!

