

# Miami Piezo Workshop: Ultrasonic Rhinoplasty

Instructors: Dean Toriumi, Rick Davis, Olivier Gerbault

Nov 12, 2021 and Nov 13, 2021

Marina Medical Instruments, Inc. Davie, Florida USA

(Minutes from Ft Lauderdale International Airport FTL)

## Day One (Friday Nov 12, 2021)

8:50 am **Welcome and Opening Comments – Rick Davis**

9:00 – 10:00 am **Introduction to Ultrasonic Rhinoplasty – Olivier Gerbault**

- What is Piezo surgery? - principles of Piezoelectricity
- Bone response to a shock: mechanical – electric and Piezoelectric
- Advantages and drawbacks of ultrasonic rhinoplasty
- Nasal bone anatomy, anatomic variations, and bone stability
- Extended approaches for ultrasonic rhinoplasty (full open approach and full closed approach)

**Discussion: Rick Davis**

10:00 - 10:30 am **Full open approach Demo – Rick Davis / Olivier Gerbault**

- Entering the subperiosteal plane and degloving the bony vault

10:30 am – 11:30 **Hands-On Cadaver Full open approach with Faculty**

11:30 - 12:00 am **RhinoSculpture & Osteotomy Demo – Olivier Gerbault / Rick Davis**

- Instrument Assembly, Safety, and Settings
- Ultrasonic osteoplasty (rhinosculpture) technique: controlled rasping and bone removal
- Osteotomy for the over-projected Radix, Ultra-Wide Bony Pyramid, Webster's Triangle Removal
- Middle Third Smoothing for DKA & LKA Management During Structural Dorsal Management
- Use of denuded ULC for anatomic dorsum reconstruction (with or without spreader grafts)

**Discussion: Rick Davis**

12:00 pm – 1:00 pm **Lunch with Faculty**

1:00 – 2:00 pm **Hands-On Cadaver RhinoSculpture with Faculty**

2:00 – 3:00 pm **Osteotomy Demo – Olivier Gerbault / Dean Toriumi / Rick Davis**

- Basic Technique for Medial, Transverse, Intermediate, & Lateral Osteotomies
- Partial / complete osteotomies
- Adjunct use of grafts or sutures to control bone position after osteotomies
- Criss cross osteotomies for some types of convex bones
- Straightening the Deviated Nose
- Pitfalls of osteotomies with traditional rhinoplasty instruments

**Discussion: Dean Toriumi**

3:00 – 5:30 pm **Hands-On Cadaver Osteotomy with Faculty**

5:30 pm Adjourn Day One

6:30 pm Dinner Off-Site with Faculty

## **Day 2** (Saturday Nov 13, 2021)

9:00 am – 10:00 am **Demo: Septal Modification with the Piezotome Demo – Olivier Gerbault / Dean Toriumi / Rick Davis**

- Explanation of the different types of septal trimming and management for Dorsum Preservation
- Modification of the Anterior Nasal Spine for Caudal Septal Relocation
- Correction of High Osseous Septal Deviations
- Septal spur treatment
- Septal Osseo-cartilaginous graft harvest

**Discussion: Rick Davis**

10:00 am – 10:30 am **Hands-On Cadaver Piezo Septoplasty with Faculty**

10:30 am – 12:30 pm **Demo: Dorsal Preservation (DP) Rhinoplasty with the Piezotome – Dean Toriumi / Olivier Gerbault / Rick Davis**

- Explanation of foundation / surface techniques
- Osteotomies/Ostectomy for Foundation DP Technique: Pushdown and Letdown
  - High strip septum removal
  - Low strip septum removal
- Ostectomy/Osteoplasty for Surface DP Technique: Bony Cap Removal + high strip septum removal

**Discussion: Dean Toriumi**

12:30 – 1:30 pm **Lunch with Faculty**

1:30 pm – 4:00 pm **Hands-On Cadaver Dorsal Preservation Piezo Rhinoplasty with Faculty**

4:00 pm – 5:00 pm **Rib graft harvesting with Piezo instruments - Dean Toriumi / Rick Davis /Olivier Gerbault**

- Complete rib graft harvesting
- Partial rib graft harvesting
  - superficial
  - sagittal

5:00 pm – 5:30 pm **Hands-On Cadaver Rib graft harvesting with Faculty**

5:30 – 5:45 pm **Q&A with Faculty**

5:45 – 6:00 pm **Final Thoughts**

6:00 pm **Adjournment and Farewell**