


ACADEMY of GENERAL DENTISTRY AGD2021 THE PREMIER MEETING FOR GENERAL DENTISTRY AUSTIN, TEXAS JUNE 9 - 12 AGD2021.ORG

Principles of Surgical Extractions

WELCOME
We Are Glad You are Here



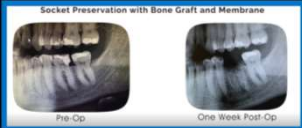
David L. Roberts, DDS, PA
June 6, 2021
dave@robertsdds.com

Principles of Surgical Extractions

The Course Outline

1. Essential Armamentarium for Dental Surgical Extractions
2. Dental Surgical Pre-Operative Work-up and Treatment Planning
3. Flap Design and Suturing for Dental Surgical Extractions

Socket Preservation with Bone Graft and Membrane



Disclaimer:
ADA CERP Standard IX

“Participants should be cautioned about the potential risks of using limited knowledge when integrating new techniques in their practice”

How I Got Here

UIC College of Dentistry University of Illinois Dental School (1981-1985)

UTHSCSA 2 Year GPR (1985-1987)

Full-Time general dental associate (1987-1991)

Practice Transition Period (1991-1997)

Full-Time traveling extraction implant/anesthesia practice (1997-Present)

Traveling Surgery Practice

www.robertsdds.com

Clinical Experience By The Numbers

Procedures Performed

- 150,000 Extractions
- 5500 Dental Implants
- 28,000 IV Moderate Sedations
- 400 Dental Offices

Clinical Training & Experience

- 12 Advanced Cardiac Life Support Re-Certifications
- Parenteral Conscious Sedation and Advanced Emergency Procedures TDA / TSBDE
- Certificate in Conscious Sedation from the American Dental Society of Anesthesiology (ADSA)



Virtual Innovative Practice Systems



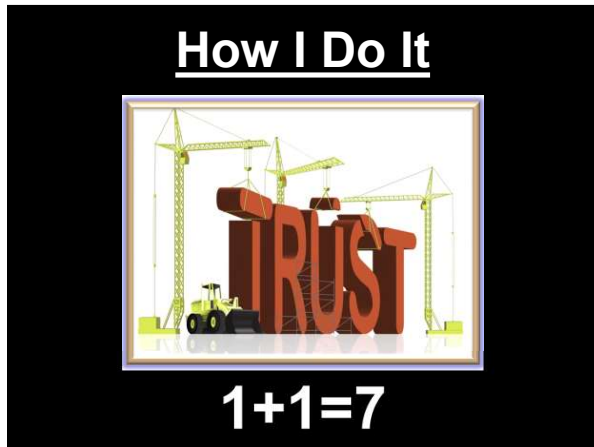
www.vipsdental.com

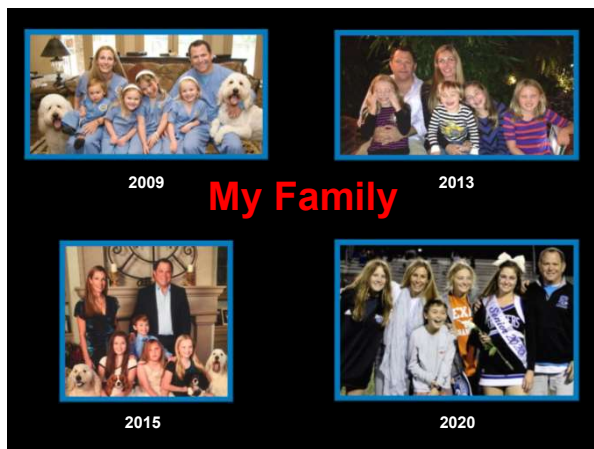
Virtual Innovative Practice Systems



www.vipsdental.com







Ask Questions



During or After ?

What Do You See ?



PARADIGM SHIFT

- Bigger Flaps
- Less Sutures
- Remove Bone (Strategically)
- Dry Sockets
- Post Op Instructions
- Suction / Handpiece
- The Key Is To Think 3D
- $(O < H) + RI = S$

The Learning Curve

The diagram illustrates the learning curve with three concentric zones. The innermost zone is the **Comfort Zone**, labeled "Little Learning". The middle zone is the **Stretch Zone**, labeled "More Learning". The outermost zone is the **Red Zone**, labeled "Stress". The vertical axis is labeled "EFFORT" and the horizontal axis is labeled "TIME". Below the diagram is a photograph of two hands pulling on a yellow rubber band, demonstrating the concept of stretching.

Surgical Extractions

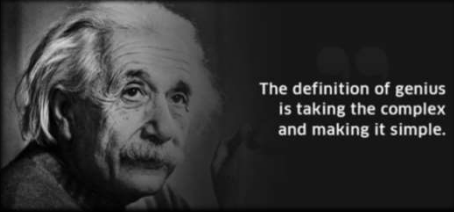
The "Terror Meter" is a semi-circular gauge with five levels of patient anxiety: **SEVERE** (red), **HIGH** (orange), **ELEVATED** (yellow), **GUARDED** (blue), and **LOW** (green). Below the gauge are three images: a man shouting with his mouth wide open, a 3D anatomical model of a tooth with red and green highlights, and a woman with a shocked expression, hands to her face.

The Key Is To

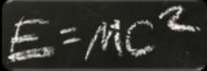
think 3D

A collage of five images illustrating 3D dental technology. The top row shows a 3D model of a tooth on a black rod, a cross-sectional X-ray of a tooth, and a physical 3D model of a tooth. The bottom row shows a 3D model of a tooth in a tray and a physical 3D model of a tooth.

Principles of Surgical Extractions
Lets Make it Simple



The definition of genius is taking the complex and making it simple.



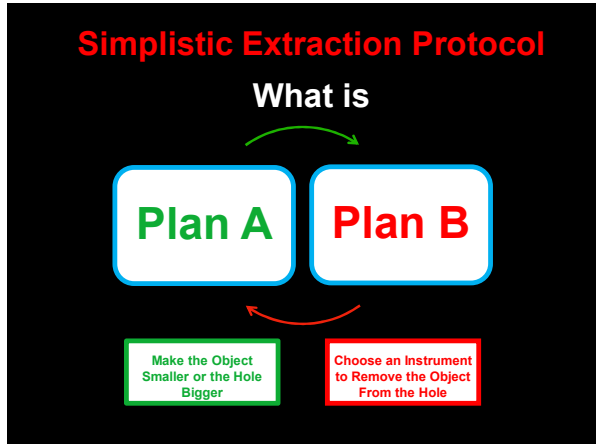
Simplistic Extraction Formula
Complex Problems



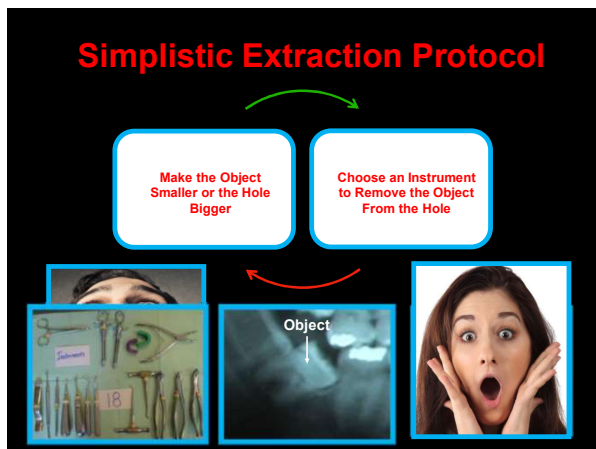
Simple Solution
(O<H)+RI=S

Simplistic Extraction Algorithm
(O<H)+RI=S





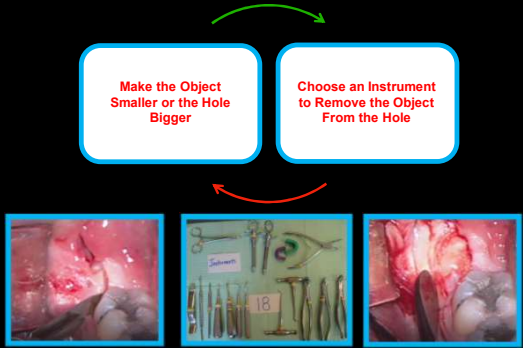




Simplistic Extraction Protocol

Make the Object Smaller or the Hole Bigger

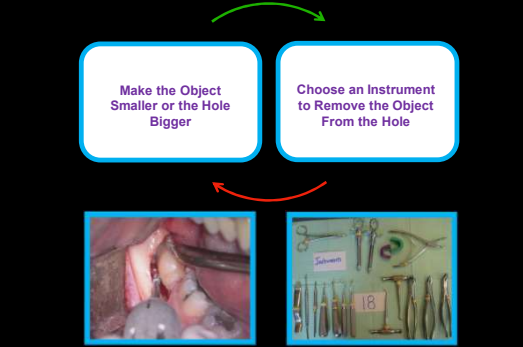
Choose an Instrument to Remove the Object From the Hole



Simplistic Extraction Protocol

Make the Object Smaller or the Hole Bigger

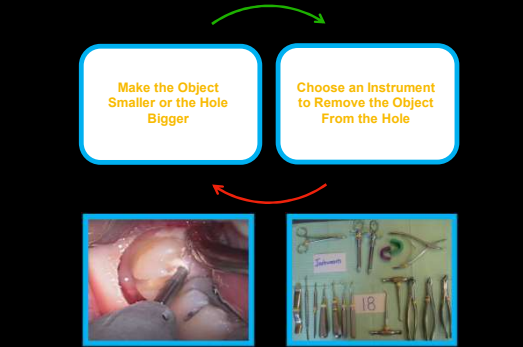
Choose an Instrument to Remove the Object From the Hole



Simplistic Extraction Protocol

Make the Object Smaller or the Hole Bigger


Choose an Instrument to Remove the Object From the Hole



Simplistic Extraction Protocol

Make the Object Smaller or the Hole Bigger

Choose an Instrument to Remove the Object From the Hole




The diagram shows a surgical site on the left and a tray of instruments on the right. A green arrow points from the surgical site to the instrument tray, and a red arrow points from the instrument tray back to the surgical site.

Simplistic Extraction Protocol

Make the Object Smaller or the Hole Bigger

Choose an Instrument to Remove the Object From the Hole




The diagram shows a surgical site on the left and a tray of instruments on the right. A green arrow points from the surgical site to the instrument tray, and a red arrow points from the instrument tray back to the surgical site.

Simplistic Extraction Protocol

Make the Object Smaller or the Hole Bigger

Choose an Instrument to Remove the Object From the Hole



The diagram shows a surgical site on the left and a tray of instruments on the right. A green arrow points from the surgical site to the instrument tray, and a red arrow points from the instrument tray back to the surgical site.

Simplistic Extraction Protocol

Make the Object Smaller or the Hole Bigger

Choose an Instrument to Remove the Object From the Hole

Simplistic Extraction Protocol

Make the Object Smaller or the Hole Bigger

Choose an Instrument to Remove the Object From the Hole


Simplistic Extraction Protocol

Success

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Socket Preservation with Bone Graft and Membrane



Pre-Op One Week Post-Op

Principles of Surgical Extractions
Instruments/Armamentarium

- **Surgical Extraction Instruments**
 - Forceps
 - Elevators
 - (Finger, Wrist, Elbow, & Shoulder Pressure)
- **Surgical Suction**
- **Surgical Handpiece**
- **Miscellaneous**
 - *Surgical*

Principles of Surgical Extractions
Instruments/Armamentarium

The Key to a Good Organization is Good Organization



Principles of Surgical Extractions

Instruments/Armamentarium

Finger, Wrist, Elbow, & Shoulder Pressure



Principles of Surgical Extractions

Instruments/Armamentarium

H and H Company 208-719-0861

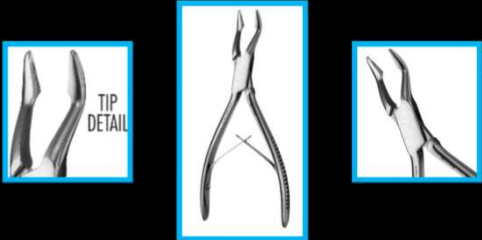


ELEVATOR X BAR WINTER 14L SKU 10-4714L \$79.00	ELEVATOR X BAR WINTER 14R SKU 10-4714R \$79.00
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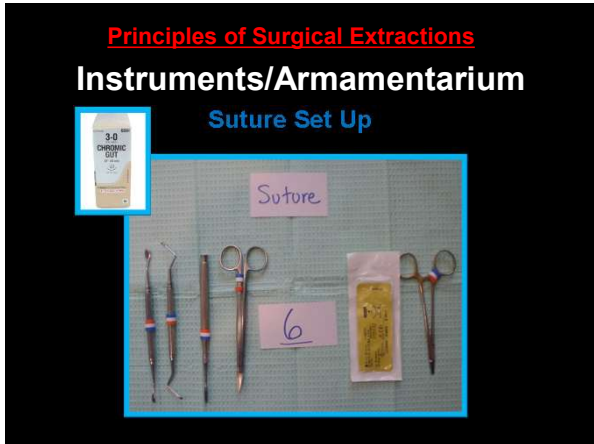
Principles of Surgical Extractions

Instruments/Armamentarium

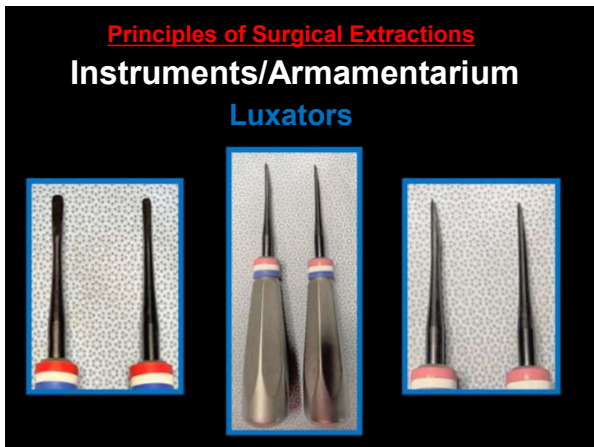
Hu-Friedy 3H Dean Rongeurs



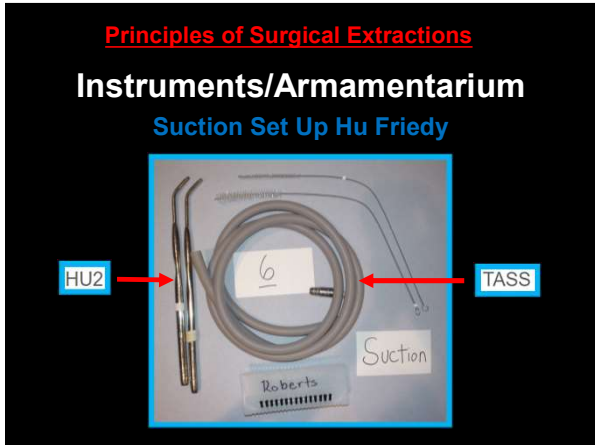
End-cutting rongeurs used for trimming and recontouring alveolar bone and gross tissue removal

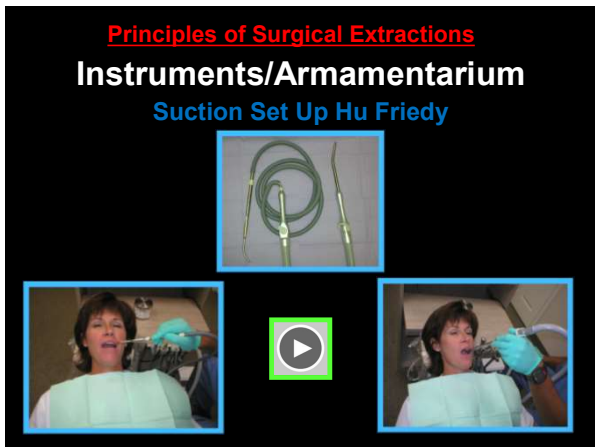













Principles of Surgical Extractions
Instruments/Armamentarium
Emergency Suction Set Up



The image shows four pieces of surgical suction equipment: two Yankers, a large metal suction tube, and a smaller metal suction tube. A pink sticky note with the number '4' is placed over the equipment. A small chest X-ray is visible in the bottom right corner of the image.

Principles of Surgical Extractions
Surgical Handpiece
W&H Implantmed 80,000 RPM



The image displays a W&H SI-1015 control unit and three handpieces: S-12, S-16, and S-1015. The SI-1015 unit is labeled 'package 3' and includes an EM-19 motor, 750 LED, and wireless foot control. Prices are listed below each item.

Model	Price
SI-1015	4500 \$
S-12	1700 \$
S-16	1700 \$

Principles of Surgical Extractions
Surgical Handpiece
Aseptico 80,000 RPM



The image shows an Aseptico control unit and two handpieces. The control unit is a large, white machine with a digital display and various buttons. The handpieces are shown in two different views.

7000\$

Principles of Surgical Extractions

Surgical Handpiece

Sabra Power 45-S Highspeed Surgical



Impact Air 45 Highspeed Surgical



#403 IMPACT AIR 45^H Highspeed Handpiece (4 hole)

1000\$

Principles of Surgical Extractions

Surgical Handpiece

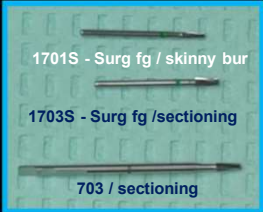
Comparison Electric vs Air



Principles of Surgical Extractions

Surgical Burs


Brasseler USA



1701S - Surg fg / skinny bur

1703S - Surg fg /sectioning

703 / sectioning



Principles of Surgical Extractions

Surgicel
Dental Supply Company



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Bleeding Control
Pressure Stops Bleeding



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Bleeding Control
Liver Clots



Treatment ?

Principles of Surgical Extractions

Bleeding Control

Blood Thinners

Clinicians can perform most dental procedures safely despite patients' receiving therapeutic anticoagulation.

Recognizing common classes of anticoagulants, incorporating strategies to minimize bleeding, and understanding how commonly prescribed medications in dentistry interact with anticoagulants are essential to practicing safe, comprehensive care.

Treatment in the Dental Practice of the Patient Receiving Anticoagulation Therapy
JADA 2019;150(7):602-608

Principles of Surgical Extractions

Bleeding Control

Blood Thinners

CAN ANTICOAGULANTS BE CONTINUED AROUND DENTAL PROCEDURES?

Must Consider Both Medical and Dental Risk Profiles
High / Moderate / Low


Treatment in the Dental Practice of the Patient Receiving Anticoagulation Therapy
JADA 2019;150(7):602-608

Check out Article in Handout

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Essential Armamentarium for Dental Surgical Extractions

Questions ?



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