Closures Of Scalp Wounds

Ken Gross M.D.
2019 Las Vegas

Caveats For Scalp Closures
When Doing A Benign Or Malignant Excision On The Scalp Carry The Excision To Subgalea Because That’s The Plane Of Closure

Caveats For Scalp Closures
• Large Rotation Flaps Are Often Required
• Thick Kite Grafts Work If They Include Galea
• Staples Are My Preferred Closure Material

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Extensively Undermine To Close Scalp Wounds
It’s Quick & Easy To Do

Do Not Distribute or Duplicate
Caveats For Scalp Closures

- Large Rotation Flaps Are Often Required
- Thick Kite Grafts Work If They Include Galea
- Staples Are My Preferred Closure Material
- I Almost Never Use Sub-Q Sutures On The Scalp Despite “Rumors” of Increased Stretchback

Instruments For Scalp Surgery

- Skin Hooks
- Backhaus Clamp(s)
- Undermining Scissors
- 3M Precise Vista Skin Stapler® Or A Similar Product That Applies Staples With Tension
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- Hammer And Chisel Set And/Or Bone Fraise
- Bone Wax

Often a Chisel & Hammer Give a Better Specimen Than a Periosteal Elevator

Rotation Flaps is My “Go To” Closure on the Scalp

Stapled Deep Tissue for Orientation

MFH Parietal Scalp

Exposed Bone
No Sub-Q's

Backhaus Clamp

Side View of Site FTSG

Galea Attached To Deep Margin Of Kite FTSG

No Sub-Q's

Side View of Site FTSG

Backhaus Clamp

Side View of Site FTSG

S/P Mohs Excision MFH At Parietal Scalp: MARKED FOR ELECTRON BEAM Rx

Thick FTSG Grafted Onto Bone With Partial Take At One Month PO

Do Not Distribute or Duplicate
Use Any Stapler That Tensions The Skin

Backhaus Clamp

SCCa

Two SSTGs:

Periosteum Was Intact And Scalp Was Extremely Tight

SCCa s/p Mohs

Staple Graft Onto Scalp

Video – No Voice

SCCa s/p 3 Stages Of Mohs

Staples Without Sub-Q Sutures

Do Not Distribute or Duplicate
SCCa S/P 3 Stages Of Mohs

Video

Gelfoam® Powder Per Peter Rullan

KITE GRAFT

2ND INTENTION with Rotation Flap

From HERE

Gelfoam®

Gelfoam®

Gelfoam
Kite Grafts and Secondary Intention/Healing are Important Closure Modalities on the Scalp

6 Days PO

Kite Grafts Are Full Thickness WITH Galea

87 Days PO

SCCa Gala Mostly Intact So STSG Easy

STSG "Took" At Area Of Missing Galea

Plan a Kite Graft in the future?

FTSG X2 And Focal 2nd Intention Healing With Gelfoam Powder (per Peter Rullan)
SCCa Gala Mostly Intact So STSG Easy

STSG "Took" At Area Of Missing Galea

BCCa With "Positive Margins"

2 Stage Mohs

BCCa With "Positive Margins"

VERY TIGHT CLOSURE WITH NO SUBQ'S

Recurrent

Recurrent SCCa

6 Days PO 21 Days PO

Do Not Distribute or Duplicate
- O To Z is just double Rotation Flap ----
- Variant of this is Pinwheel Flap Triple Rotation Flap)
- Waste of Time Usually

Why An O To Z?

Have No Answer

Do Not Distribute or Duplicate
Extra Cases To Think About

MFH Occipital Scalp
Chiseling Off Periosteum And Superficial Outer Table

Stage II: Rotation Flap Repair
MFH Occipital Scalp
Exposed Bone
Chiseling Off Periosteum And Superficial Outer Table

1 Month PO, Rotation Flap
Chiseling Off Periosteum And Superficial Outer Table

Stage II: Rotation Flap Repair
Intra-OP CLOSURE
Backhaus Marks

2½ Months PO
Marked For PO Electron Beam Adjuvant Rx

Do Not Distribute or Duplicate
PO Stage 2, Chiseled Bone

Pre-Op: Carcinoma With Home Dressing Stuck On

Intra-OP

12 Days PO 5 Months PO

What are those lines?