

# It Came From La Crosse: Pt 2

## Rhinophyma Management/Nasal Obstruction













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**GUNDERSEN**  
**HEALTH SYSTEM®**

No financial disclosures

# Norwood Scale

Type	Example	Type	Example
1		4	
2		4A	
2A		5	
3		5A	
3 vertex		6	
3A		7	

# Gundersen Head and Neck

## The Norwood Scale



*Type I. Minimal hair loss.*



*Type II. Insignificant hair loss at the temples.*



*Type III. The first stage that requires treatment.*



*Type IV. Bigger pattern on the vertex and hairline.*



*Type V. Patterns at both sites are bigger but a thin division line is still present.*



*Type VI. The bridge is gone but several strands of short fine hair may remain.*



*Type VII. Most severe form of hair loss. Little hair on the front or top of the head.*

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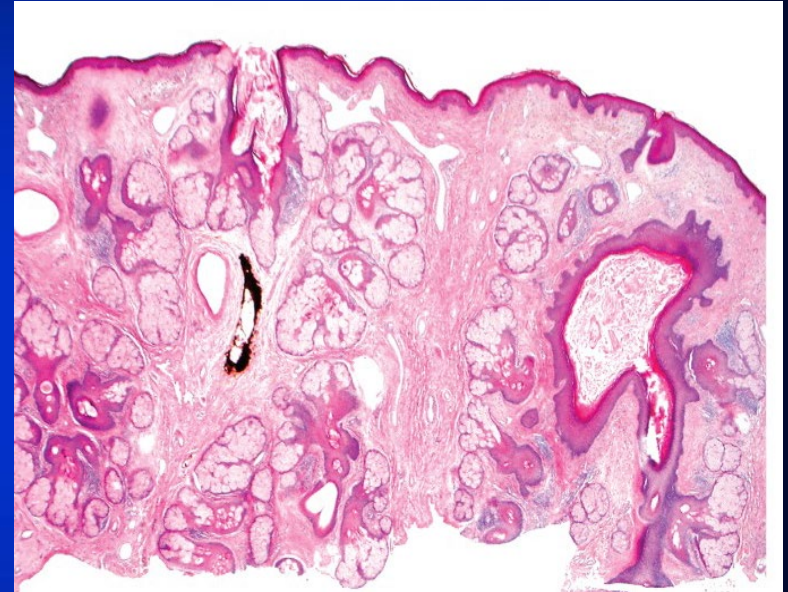
# Rhinophyma

- Phymatous Rosacea
- Can develop from any form of rosacea
- Presents in 5<sup>th</sup> decade or later
- Male:Female > 5:1



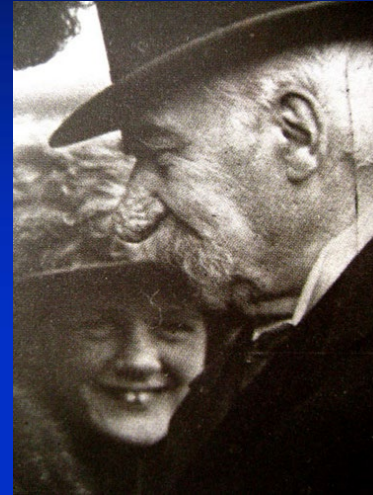
# Histopath

- Fissures, nodules
- Sebaceous hyperplasia
- Inflammation
- Cystic dilated infundibula
- Telangiectasias
- Demodex Folliculorum
- Basal cell carcinoma risk



# History

- Can be very disfiguring
- Develops slowly
- Patients often present due to worsening pustules
- Often have nasal obstruction
- “I’ve always been told nothing can be done”





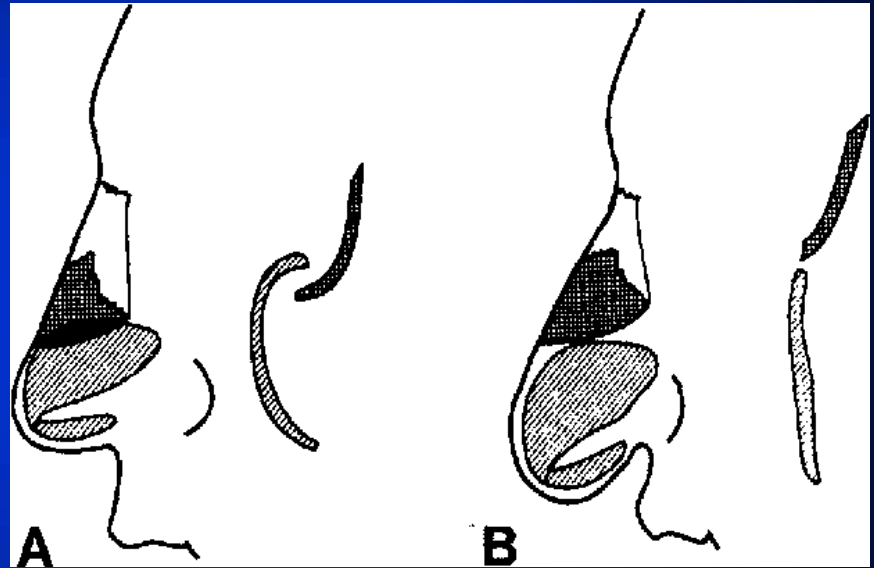
# Treatment

- National Rosacea Society Classification
  - 0: Absent
  - 1: Follicles are patulous, but no contour changes, color change
  - 2: contour change without nodularity
  - 3: change in contour with nodular component
- Treatment
  - 1: Doxycycline, topical metronidazole, oral isotretinoin
  - 2: CO2 laser
  - 3: Dermaplaning and Laser

# Nasal valve Stenosis

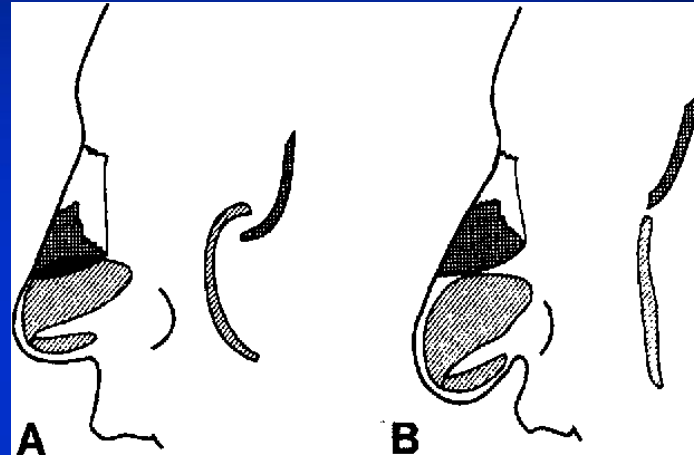


# Tip Descent



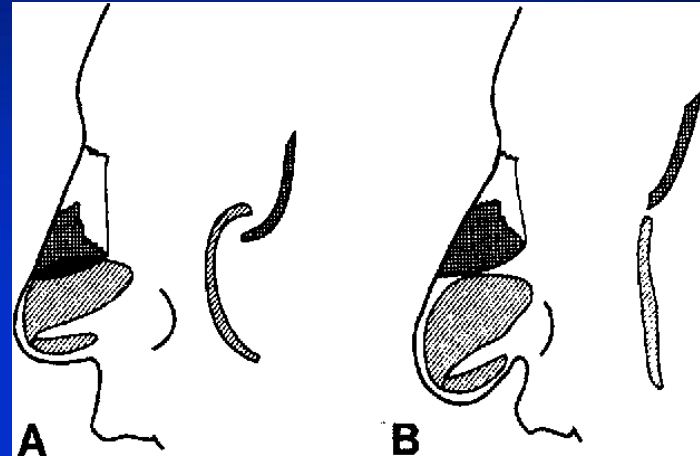
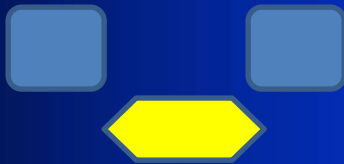
Davvit. Otolaryngol Head Neck Surg  
1990 Sep;103(3):462-7

# Rhinolift after Dermaplaning



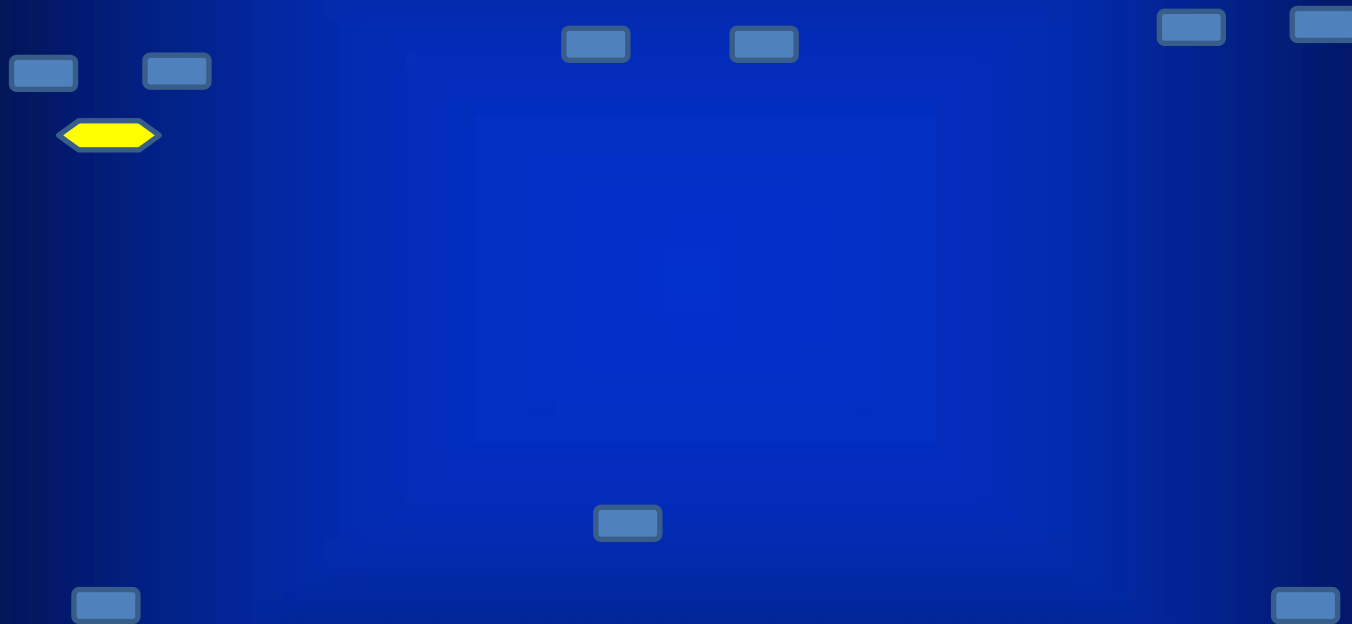
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# Rhinolift after Dermaplaning



- Remove an ellipse of skin from nasal dorsum/supratip
- Dissect subperiosteal/subperichondrial plane
- Suture suspension of LLC +/- other maneuvers
- Layered Closure

# Rhinolift after Dermaplaning



# Rhinolift



# Complex Preop Test





# Case Series

- 19 Patients over 9yrs
- 12 Rhinolifts
- Follow up from 6 mo to 5 yr  
median of 1.5 yr
- No wound breakdown from  
ellipse removed and dissection
- 11 with substantial improved  
nasal breathing
- Subsequent Septum and nasal  
valve surgery in one at 2 years
- No pre and post op questionnaire
- No basal cell
- 2 Recurrence of rhinophyma, tx'd  
with in office procedure



# Discussion

- Safe approach in the setting of large rhinophyma with tip ptosis and nasal obstruction
- Not technically challenging
- Seems to add about 30 minutes to case
- Sample size too low for proper statistical comparison to rhinophyma resection alone



# References

Shuurman M. J Cutan Pathol. 2015 Aug;42(8):527-35

Davit. Otolaryngol Head Neck Surg 1990  
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Questions?

Interpolated flaps are great