

Use Of Flap In The Bone Reconstruction Procedure

Prof Dr Nazri Mohd Yusof

Department of Orthopaedic, Traumatology and Rehabilitation

Sultan Ahmad Shah Medical Centre (SASMEC@IIUM)



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يُونَيْتِ بَرَسِيَّتِي اِسْلَامُ اَبْتَاوَا بَخْسِيَا مِلْدِيَسِيَا
Garden of Knowledge and Virtue



50th Malaysian Orthopaedic Association
Annual General Meeting / Annual Scientific Meeting 2021
Incorporating
40th ASEAN Orthopaedic Association
Annual Congress 2021

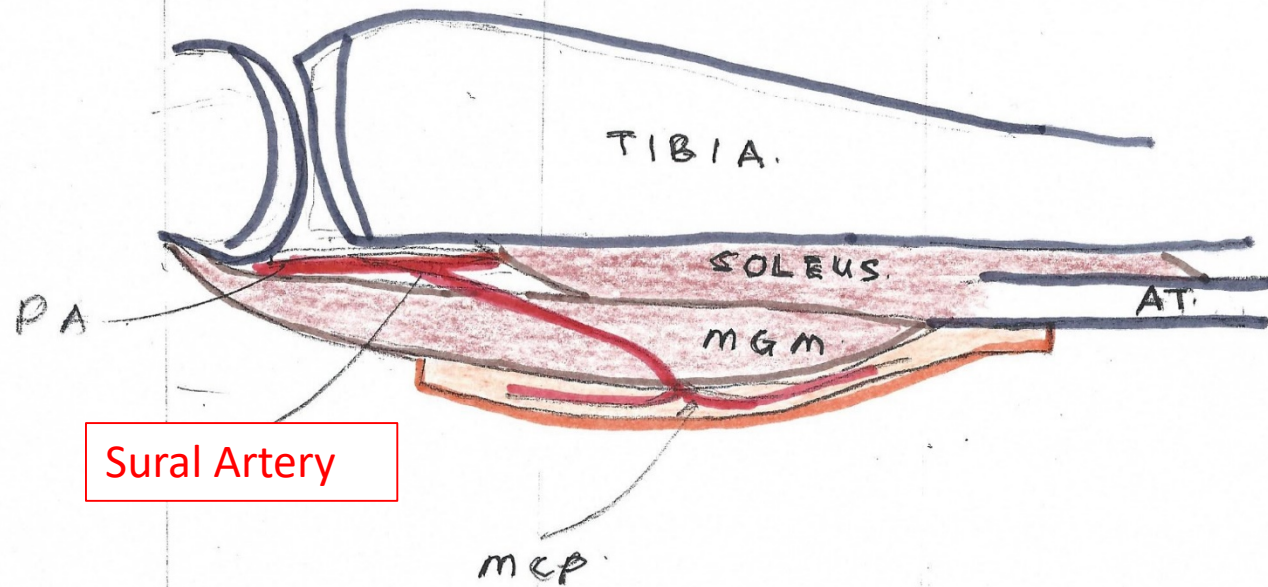
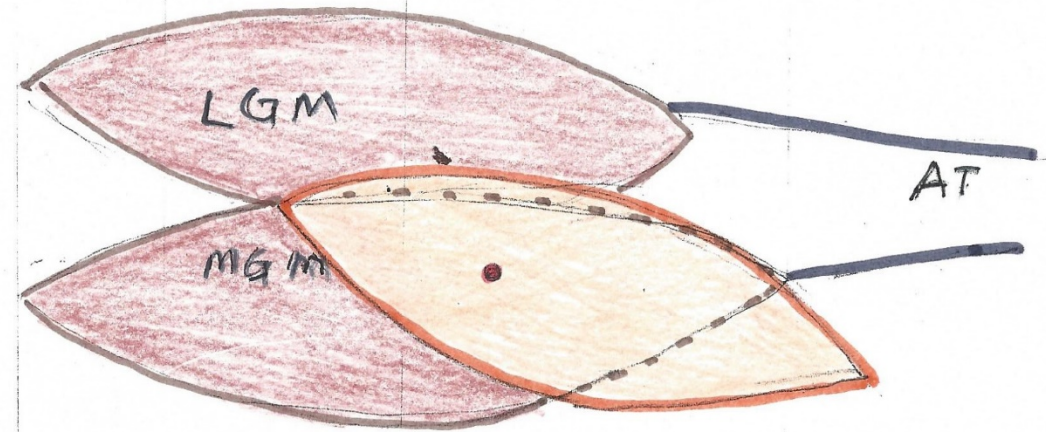


Content

- Definition
- Flap anatomy
- Benefit of flap
- Case example







Sural Artery



- Bring in blood supply
 - Antibiotic delivery
 - Immune response
 - Repair
 - Nutrient
 - Waste
- LIFE



Cover the bone and protect from colonisation and desiccation

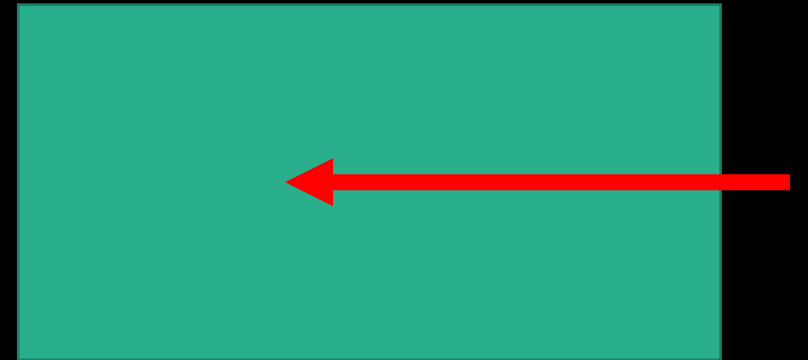


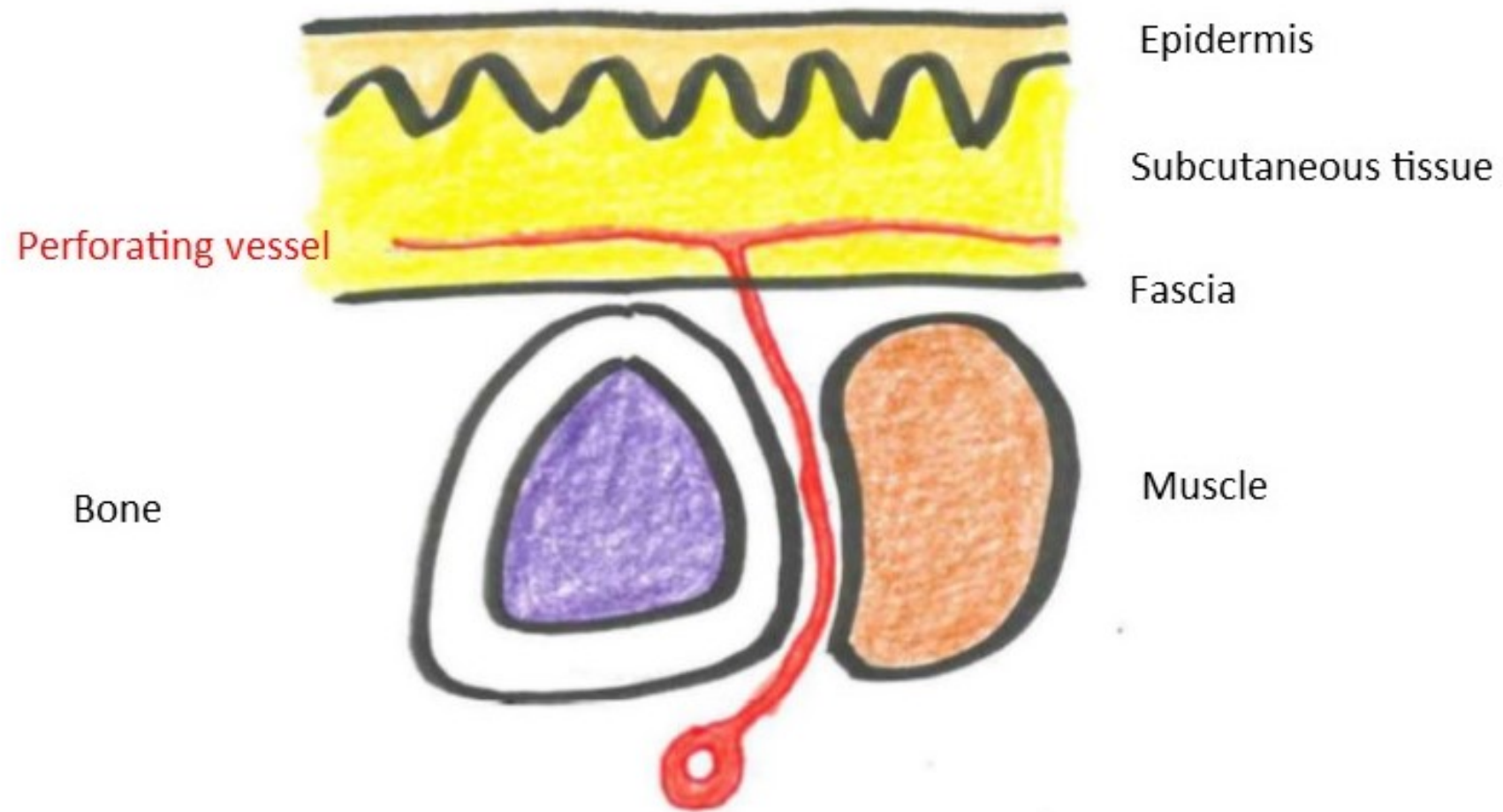
Fasciocutaneous flap



1

2



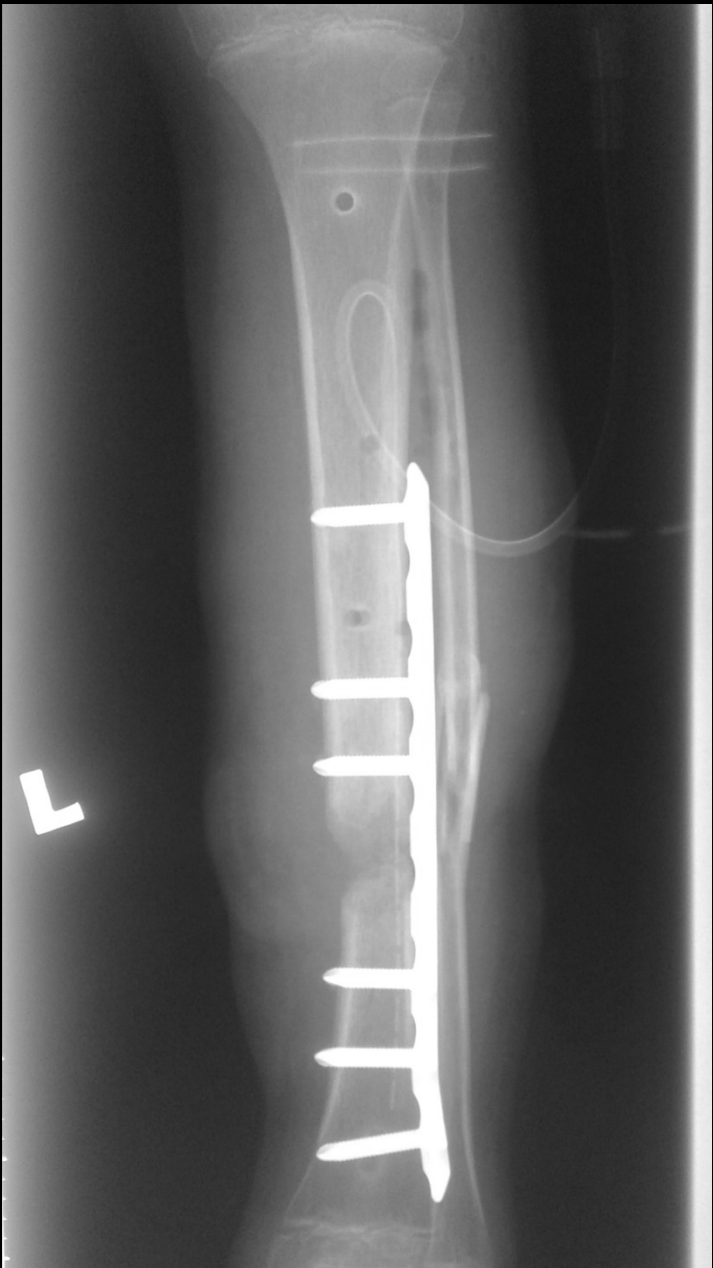




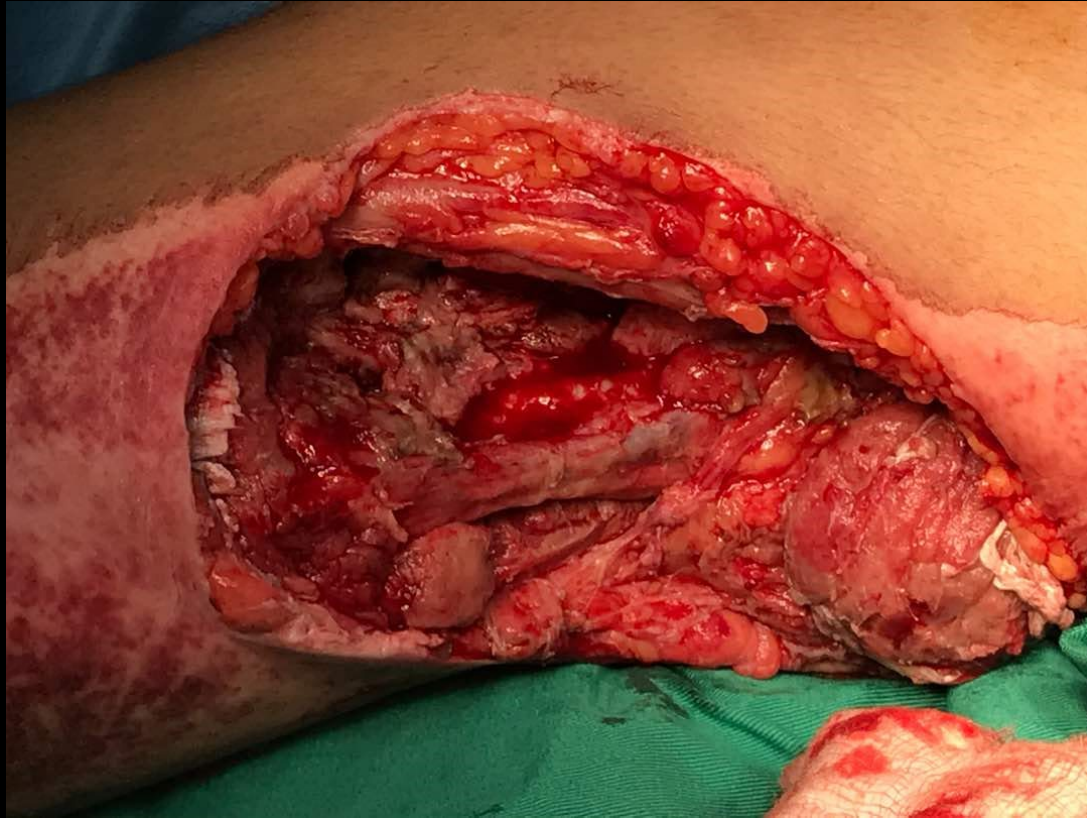
Perforators flap





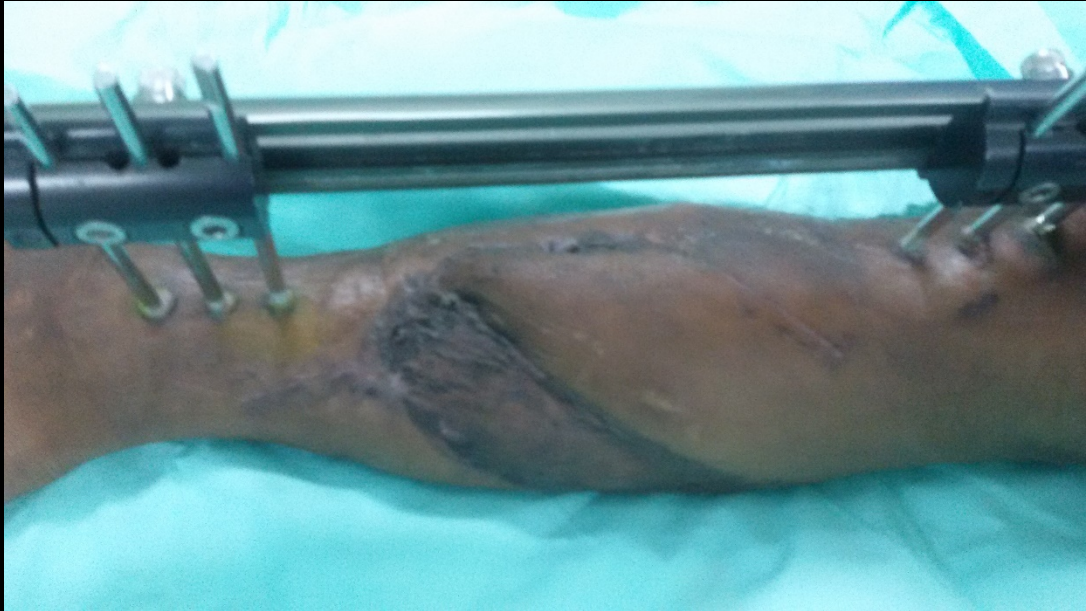


Gastrocnemius flap



Gastrocnemius musculocutaneous flap











Sural flap





Additional use of flap is for the treatment of infection and non-union



Infected non-union







Atrophic non-union





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Trauma Orthopaedic Surgeon
should be able to perform Simple
local flap

Prevent complication and even
salvage the limb



References

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Thank you

