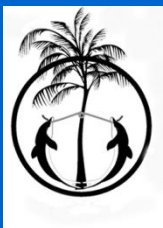


# BMAC Hip Case

- 42 year old male- Polo Player
- Labral tear with Cam/Pincer Impingement-needs surgery
- But- has moderate arthritis kissing lesions
- No cyst at weight bearing area
- Cyst in pincer spur

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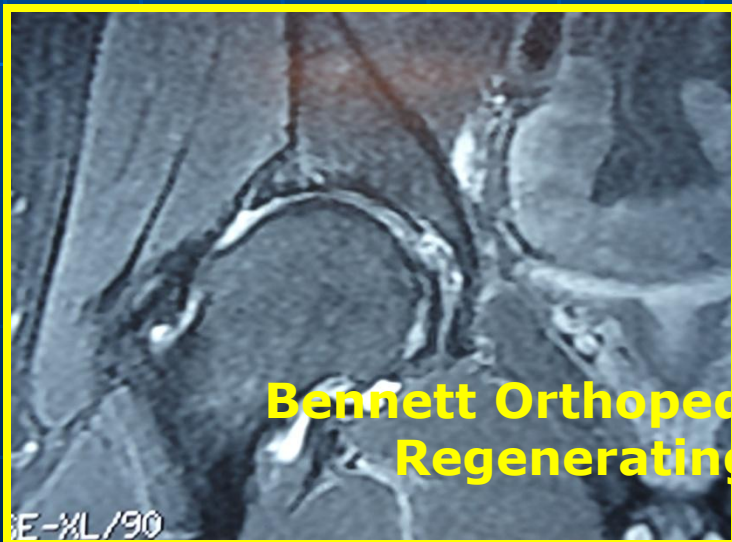
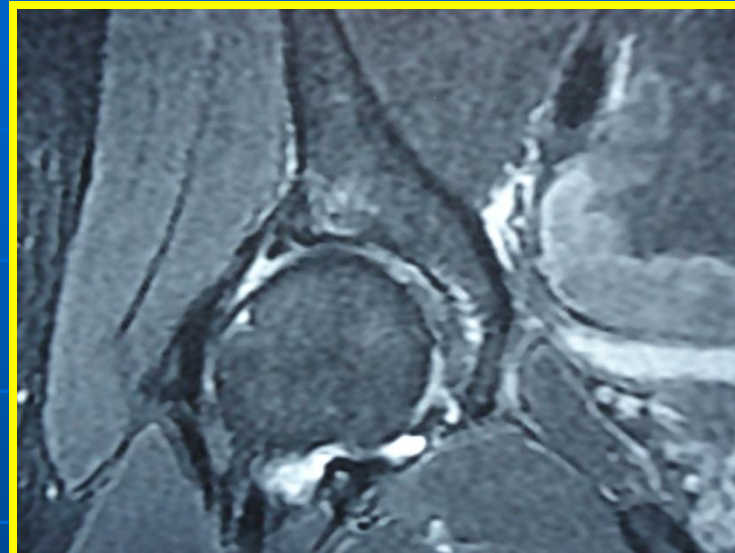


# Hip Labral Tear



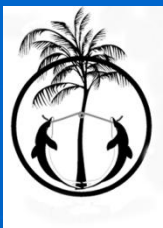


# MRI

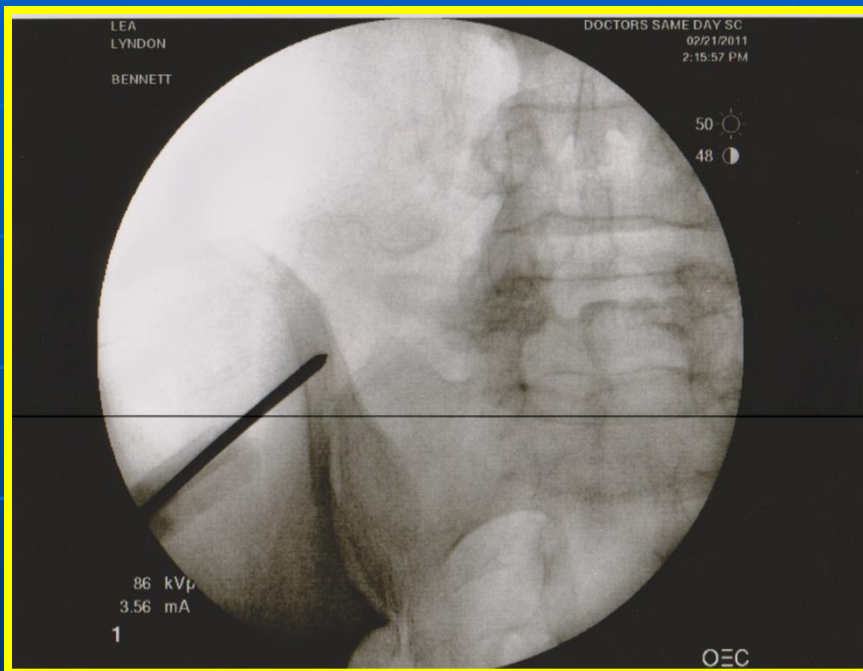


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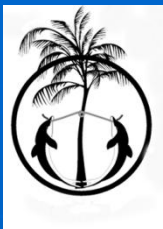


# Aspirate 60 cc's



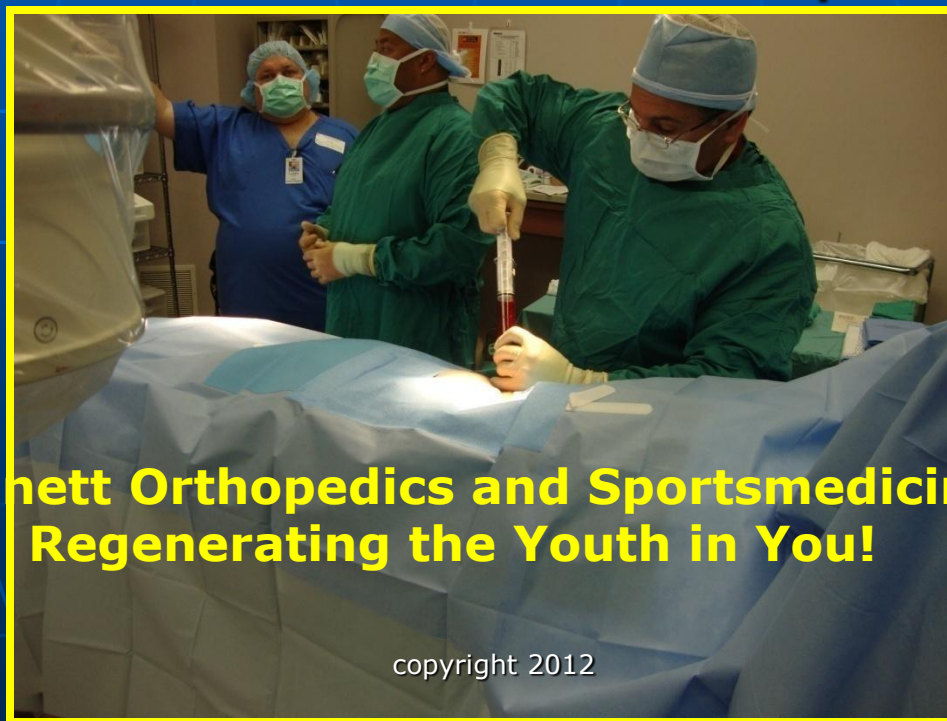
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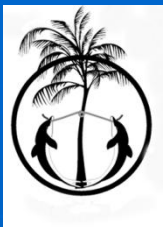
# Rejects Surgery for 7 Months

- Committed to High Goal Polo- Palm Beach and London for 7 Months
- Joint Preservation technique-BMAC



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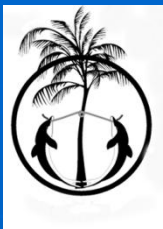


# BMAC Filter



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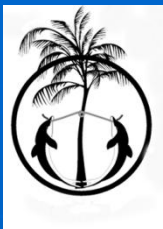




# BMAC Realisate



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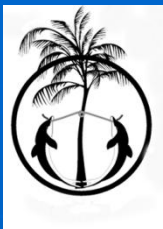


# BMAC Flush

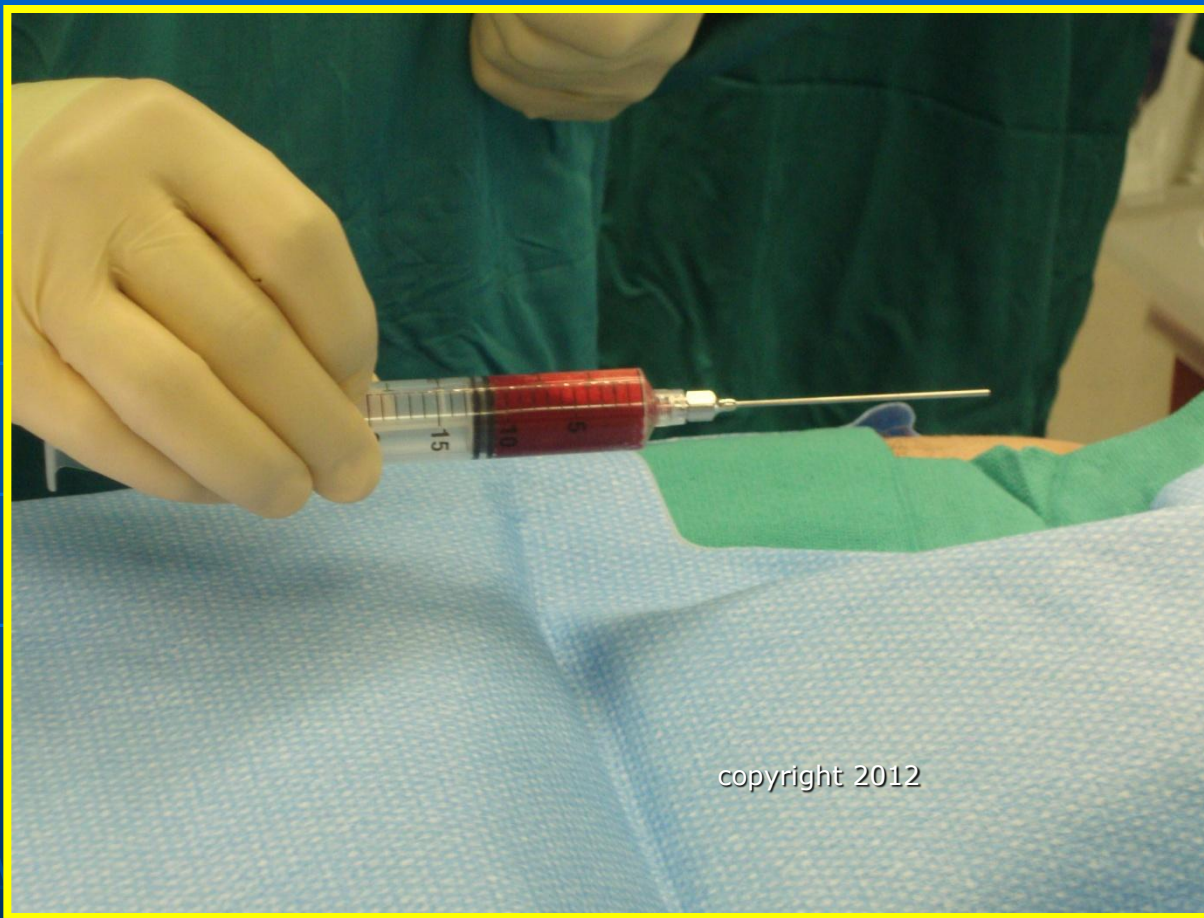


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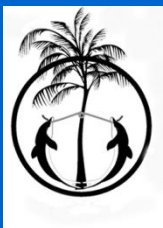




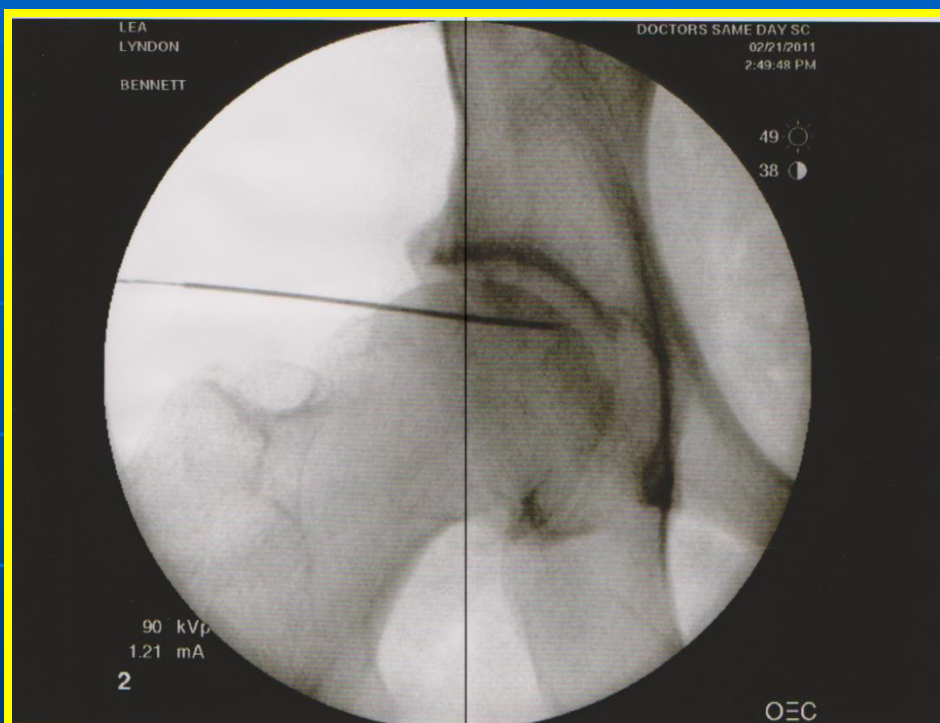
# BMAC



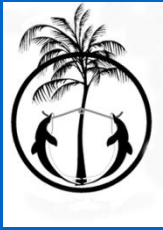
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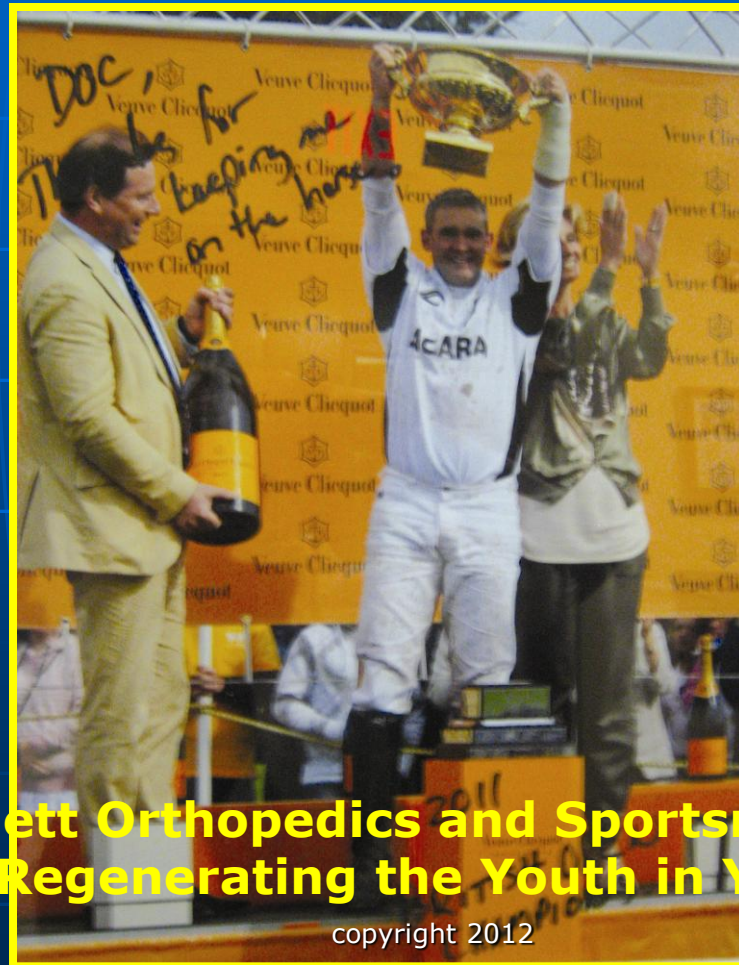
# Hip Inject



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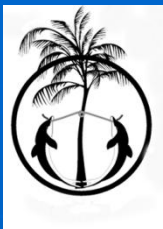
# 5 months After Stem Cell Injection



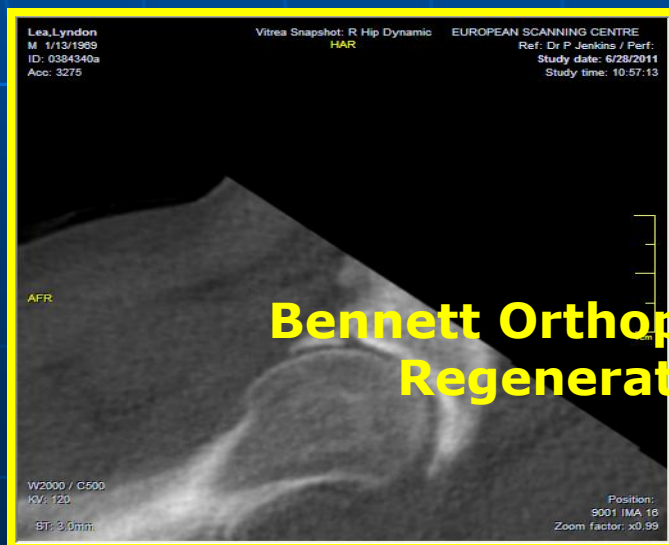
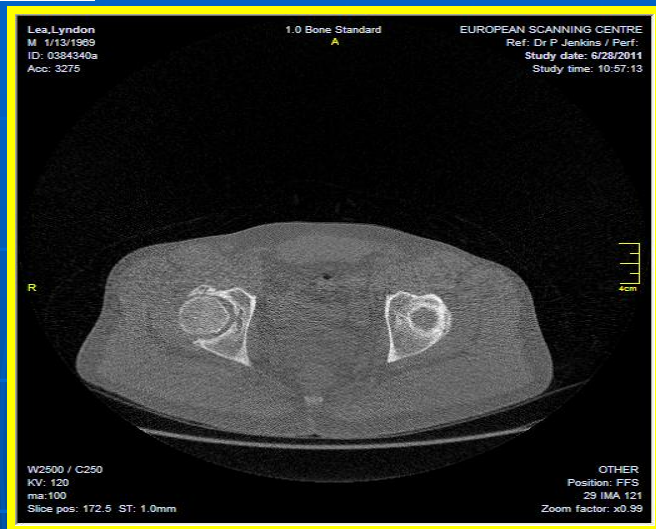
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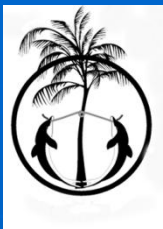


# Stills Ossified Labrum

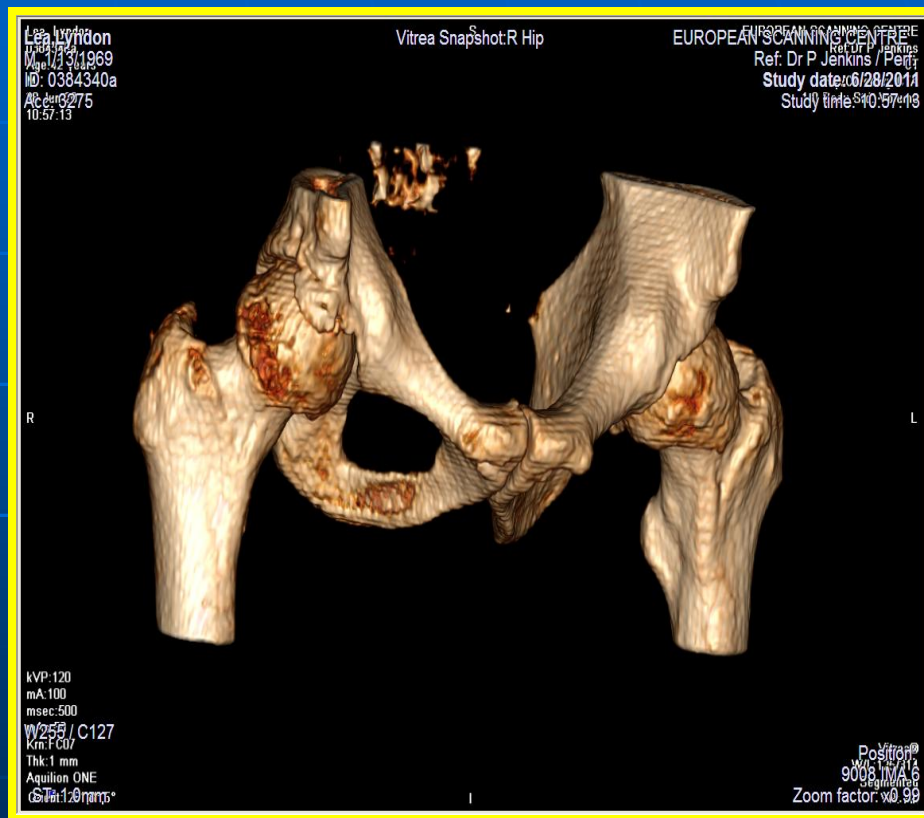
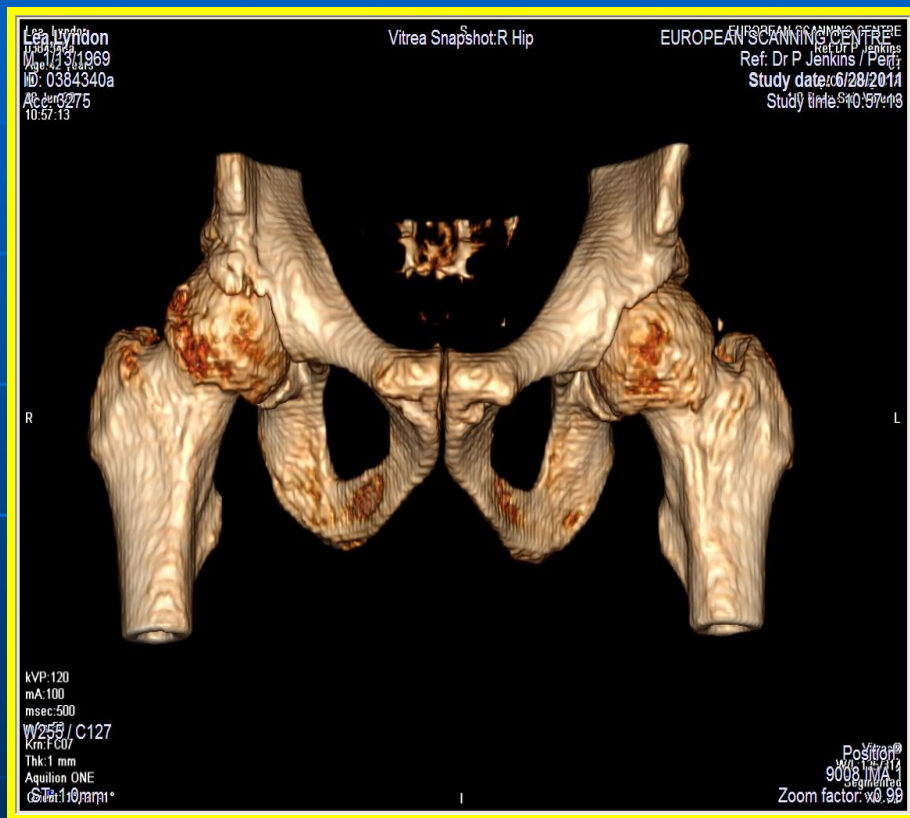


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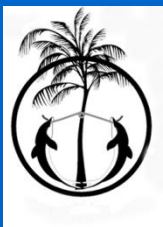


# Stills Ossified Labrum

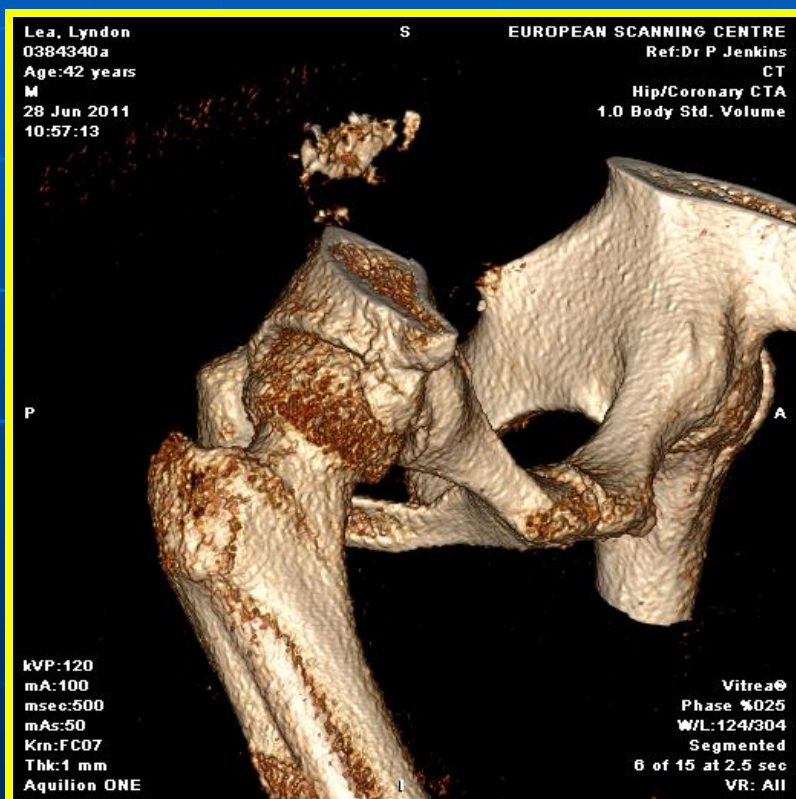


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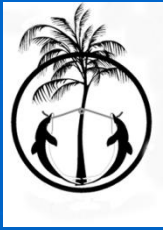
# 3D- CT Scan-Video Cam Impingement- Ossified Labrum



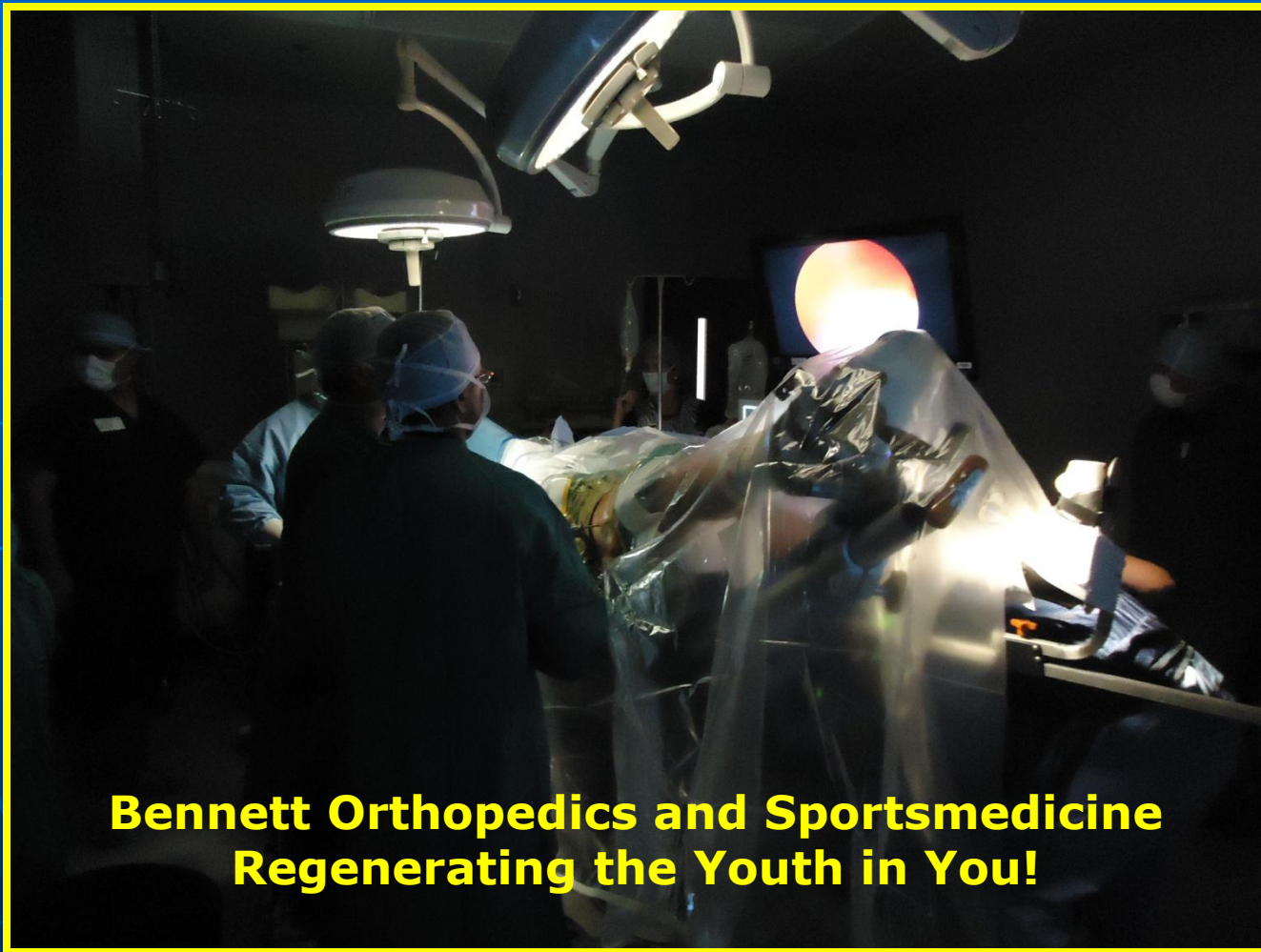
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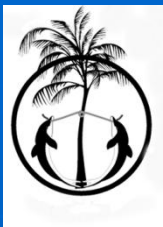




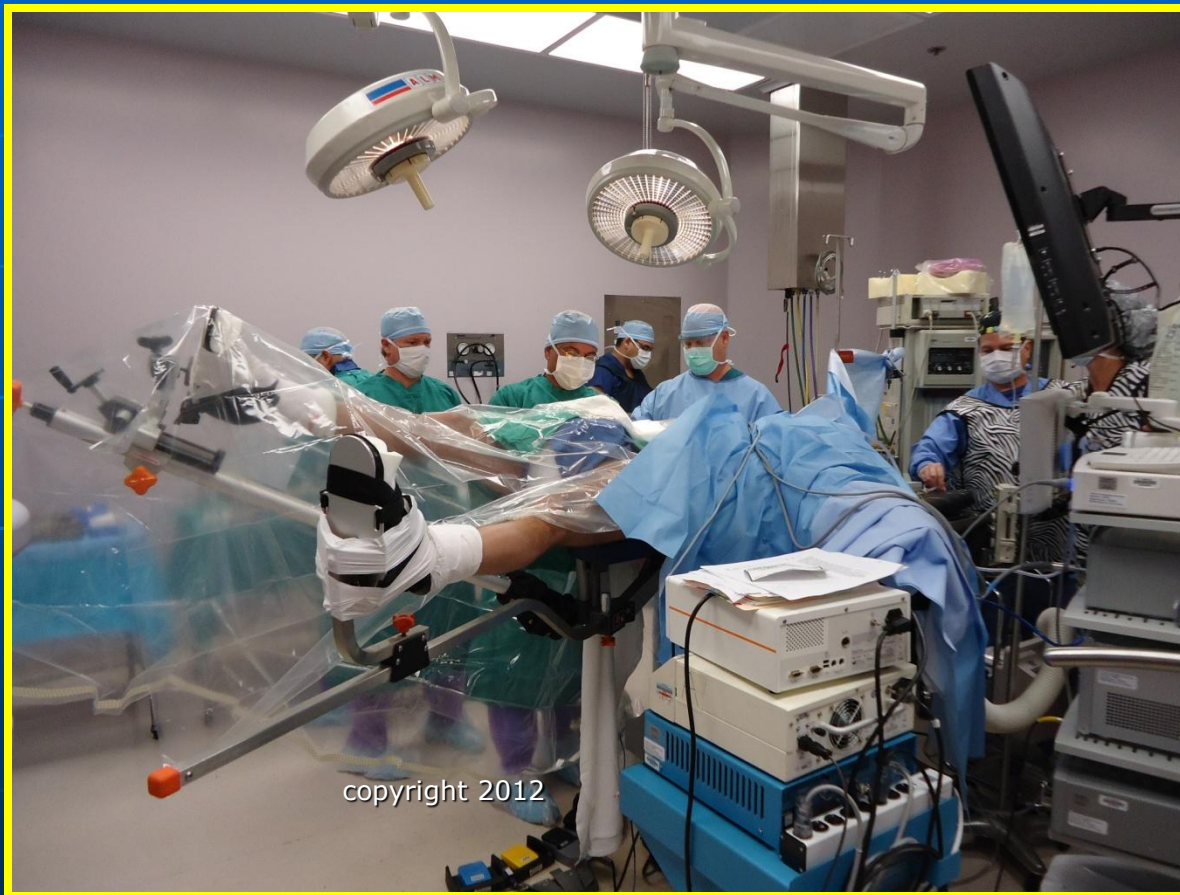
# Hip Labral Reconstruction Stem Cells-L.L.



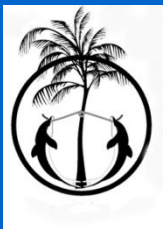
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# Position



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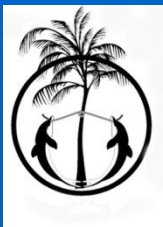


# Fascia Lata Allograft

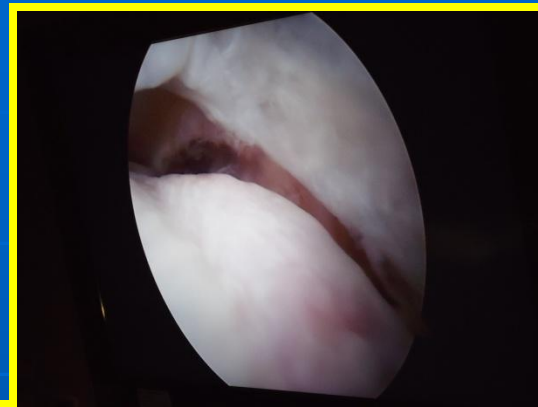


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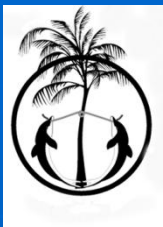




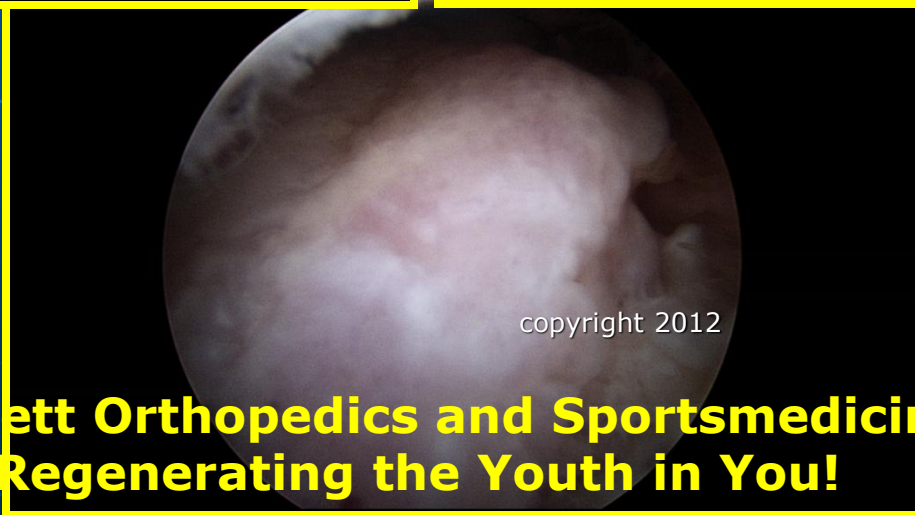
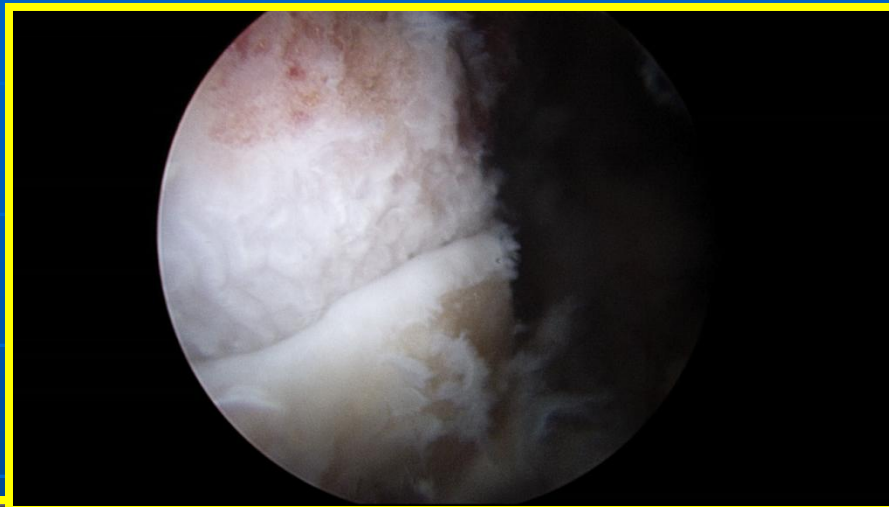
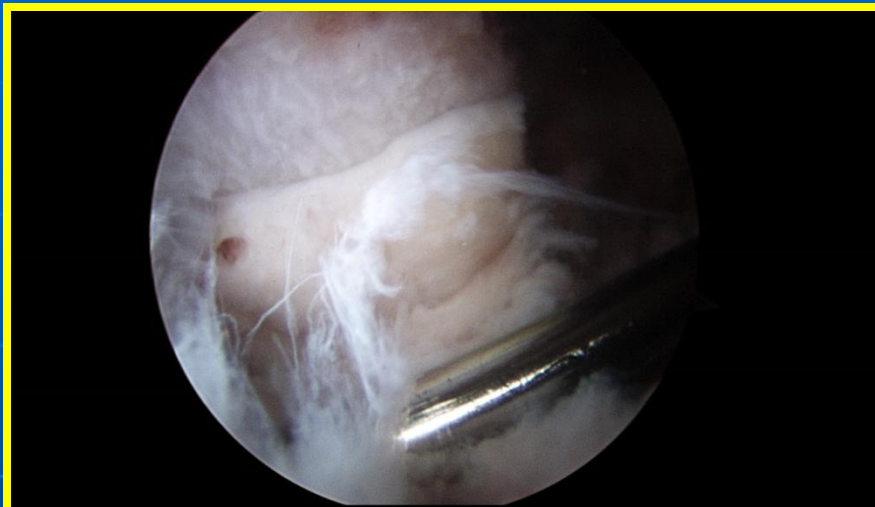
# Working



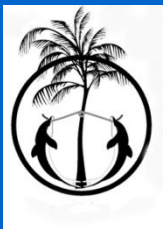
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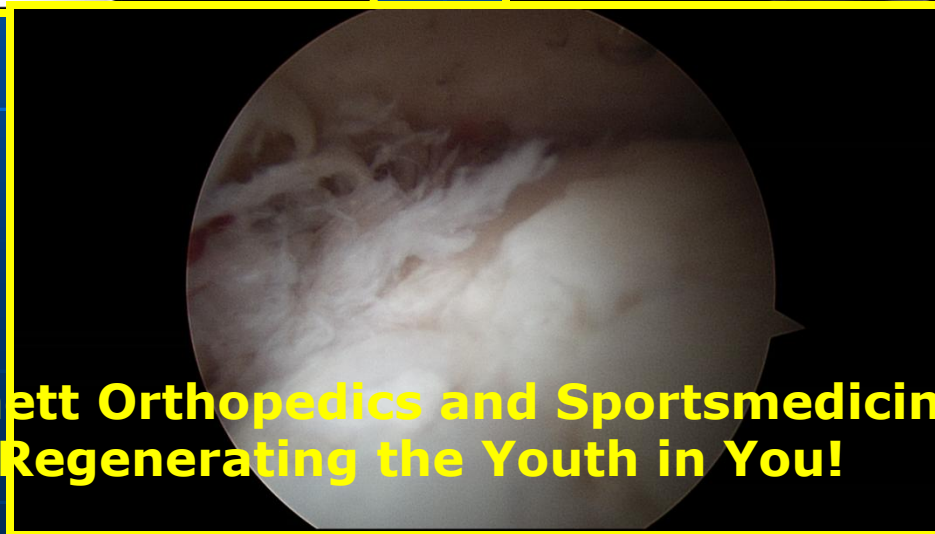
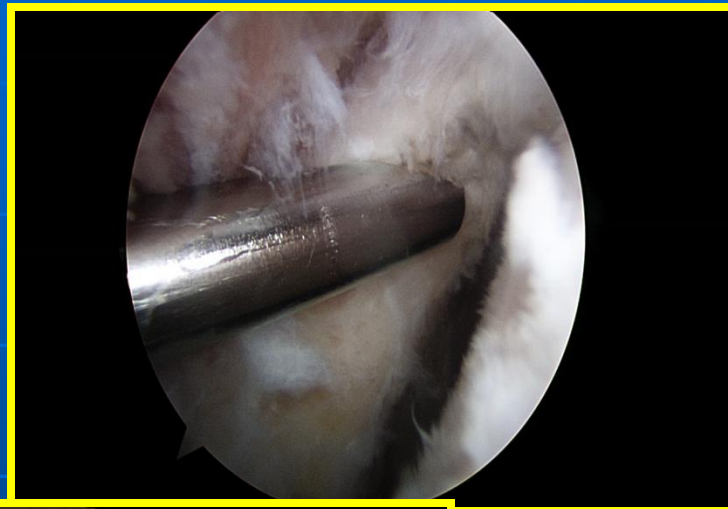
# Ossified Labrum



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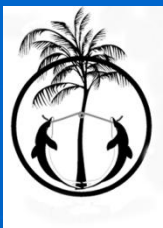
# Damage



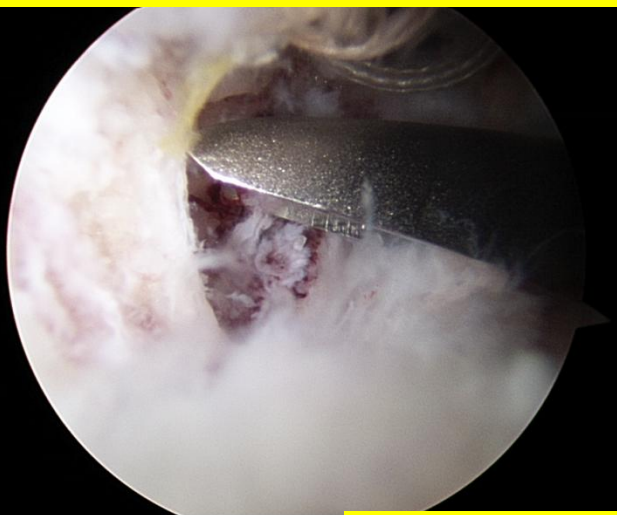
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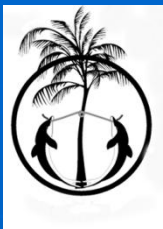


# Bumps/Cysts

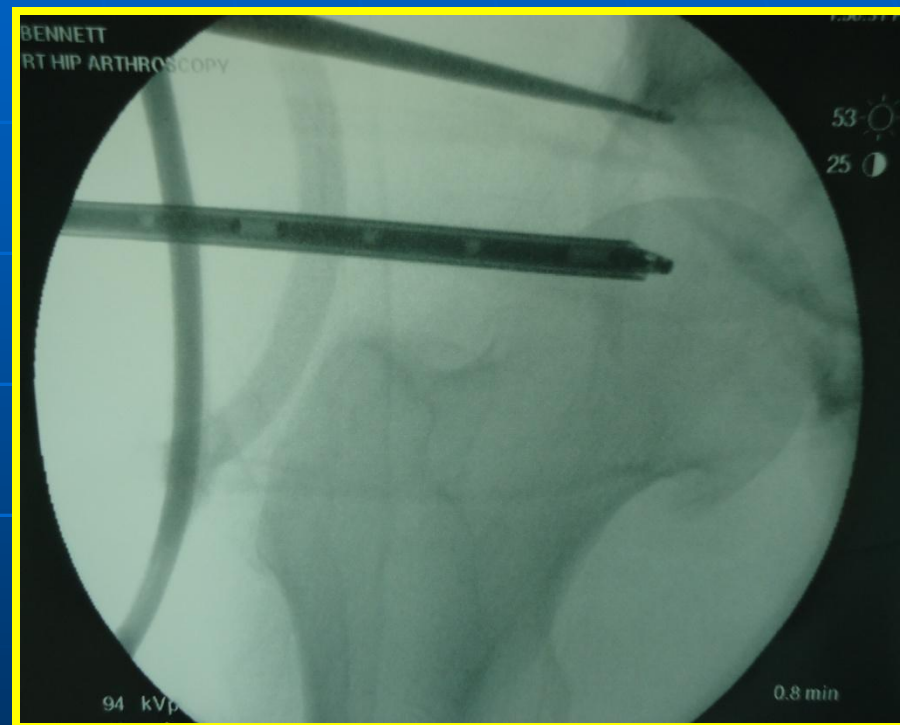
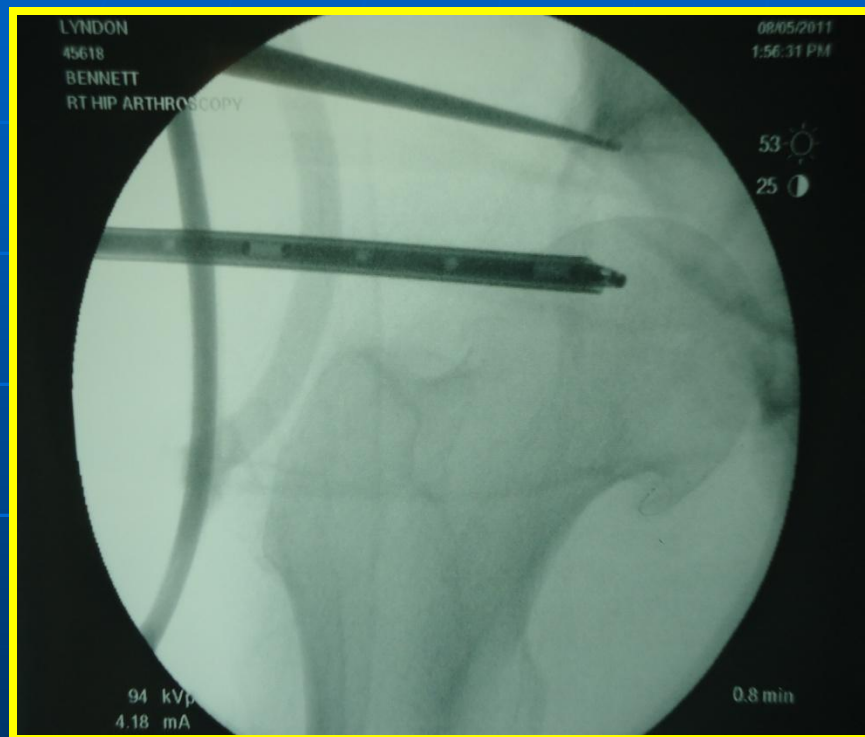


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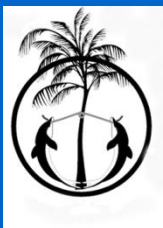


# Fluroscopy Cyst



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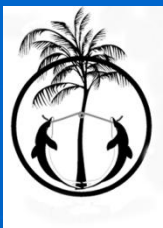
# Addressing Damage



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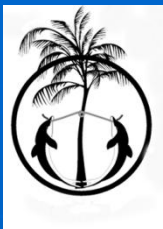


# BMAC Fascia Lata



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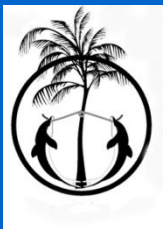


# Labral Reconstruction

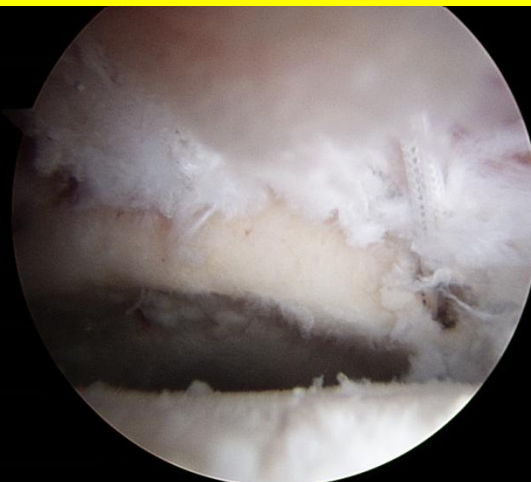
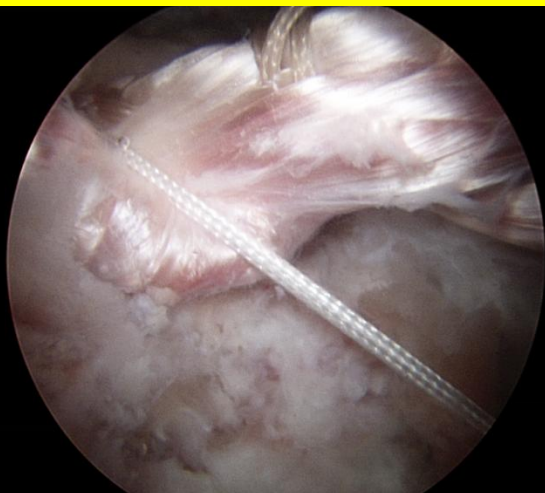


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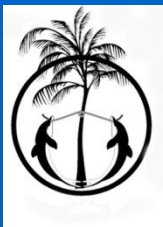
# Labral Reconstruction



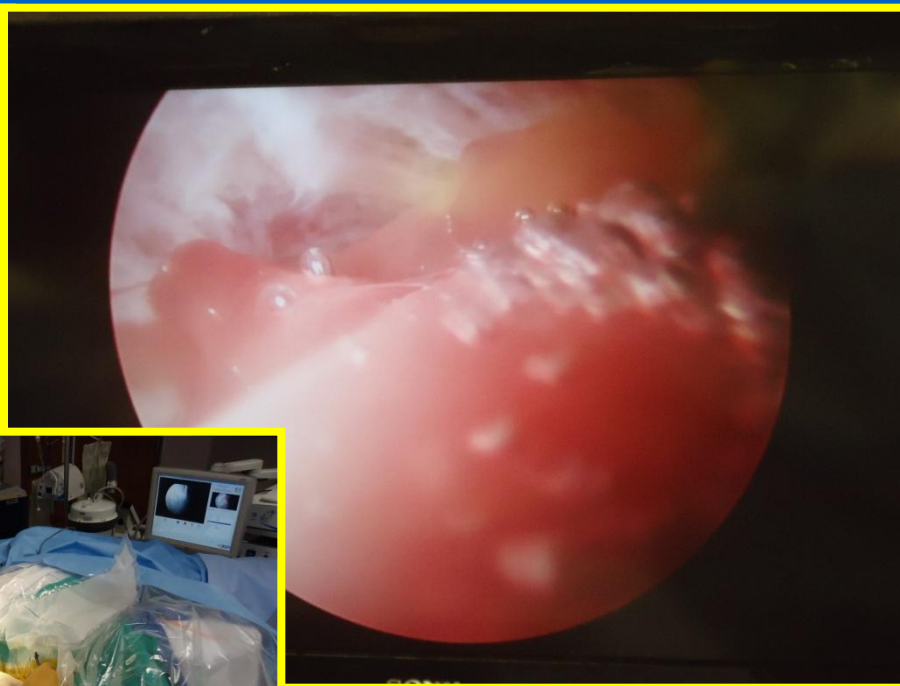
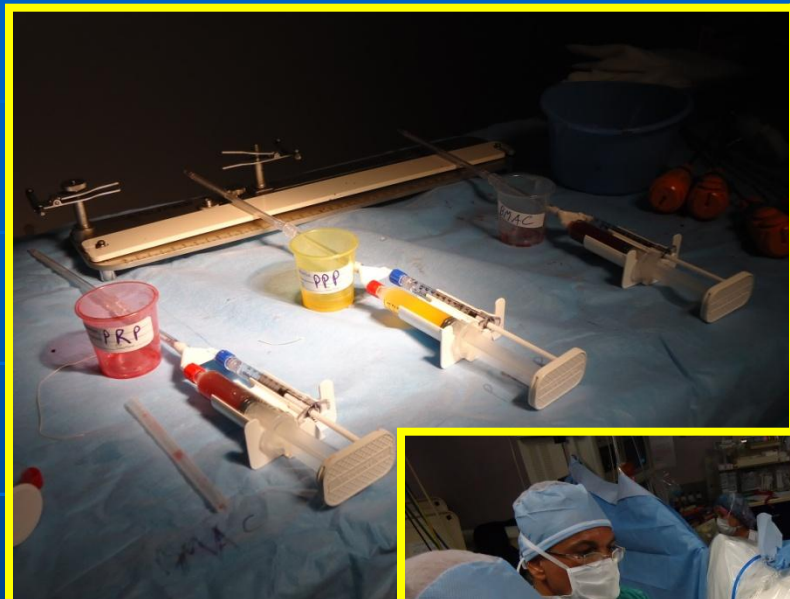
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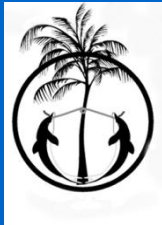


# Hip BMAC



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# **The Augmentation of a Collagen/Glycosaminoglycan BiPhasic Osteochondral Scaffold with Platelet-Rich Plasma And Concentrated Bone Marrow Aspirate for Osteochondral Defect Repair in Sheep**

**Getgood A. et Al.**

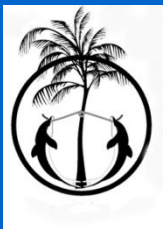
**Cartilage**

**October 3(4) 351-363, 2012**

- Trend towards more normal appearing Cartilage with PRP
- Trend towards better cartilage histology with PRP
- Strong Type 2 collagen with PRP
- Marked reduction in subchondral bone cyst formation when CBMA was added(adult stem cells)

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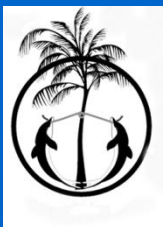


# 7 Month Post-Op Cat Scan



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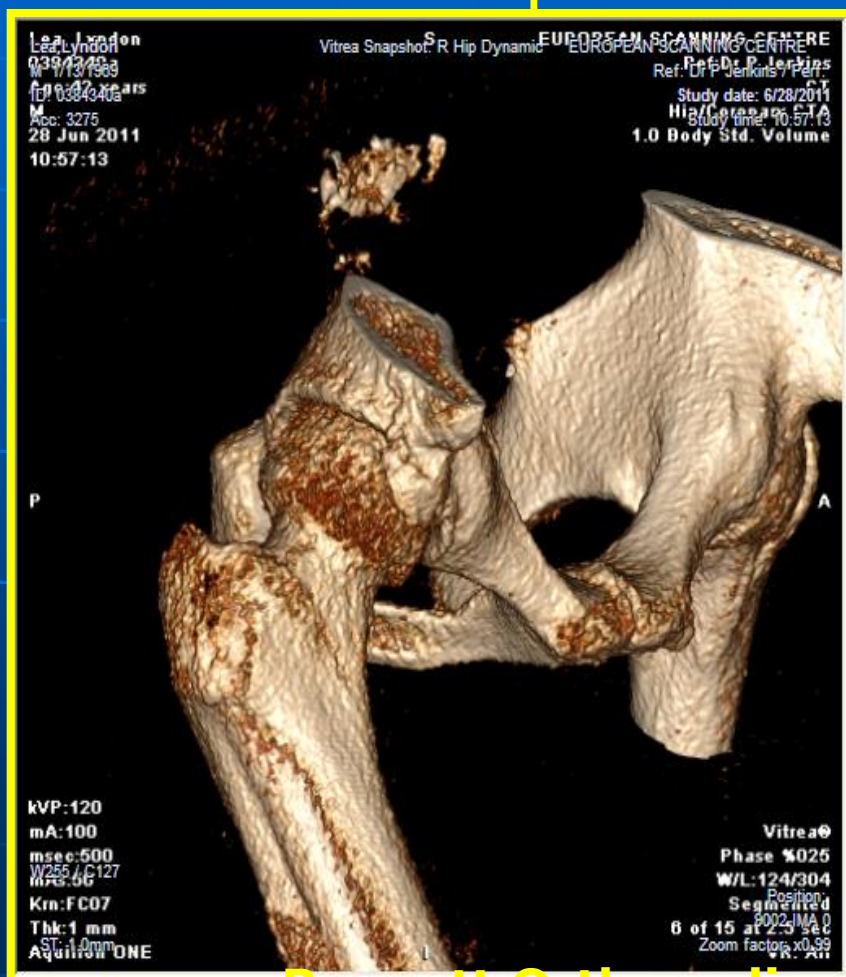




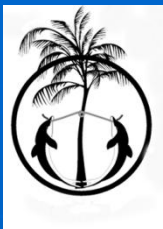
# One Year Post-Op

PRE-Op

Post-Op



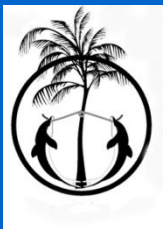
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# 8 Months Post-Op



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# Zacara-US Open Champions 2012



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