CIALGURGERY MARING HOSPIT RADIOLOGY AND

Two sagittal PD images of the second digit

History: 33 year old man with trauma 3 months ago and now with inability to flex at the DIP

EFOR SPECIAL SURGERY DEPARTMENT OF RADIOLOGY AND INTERIOR DEPARTMENT DEPART BSPITAL FOR SPECIAL SURGERY DEPARTMENT OF RADIOLOGY AND IMAGING







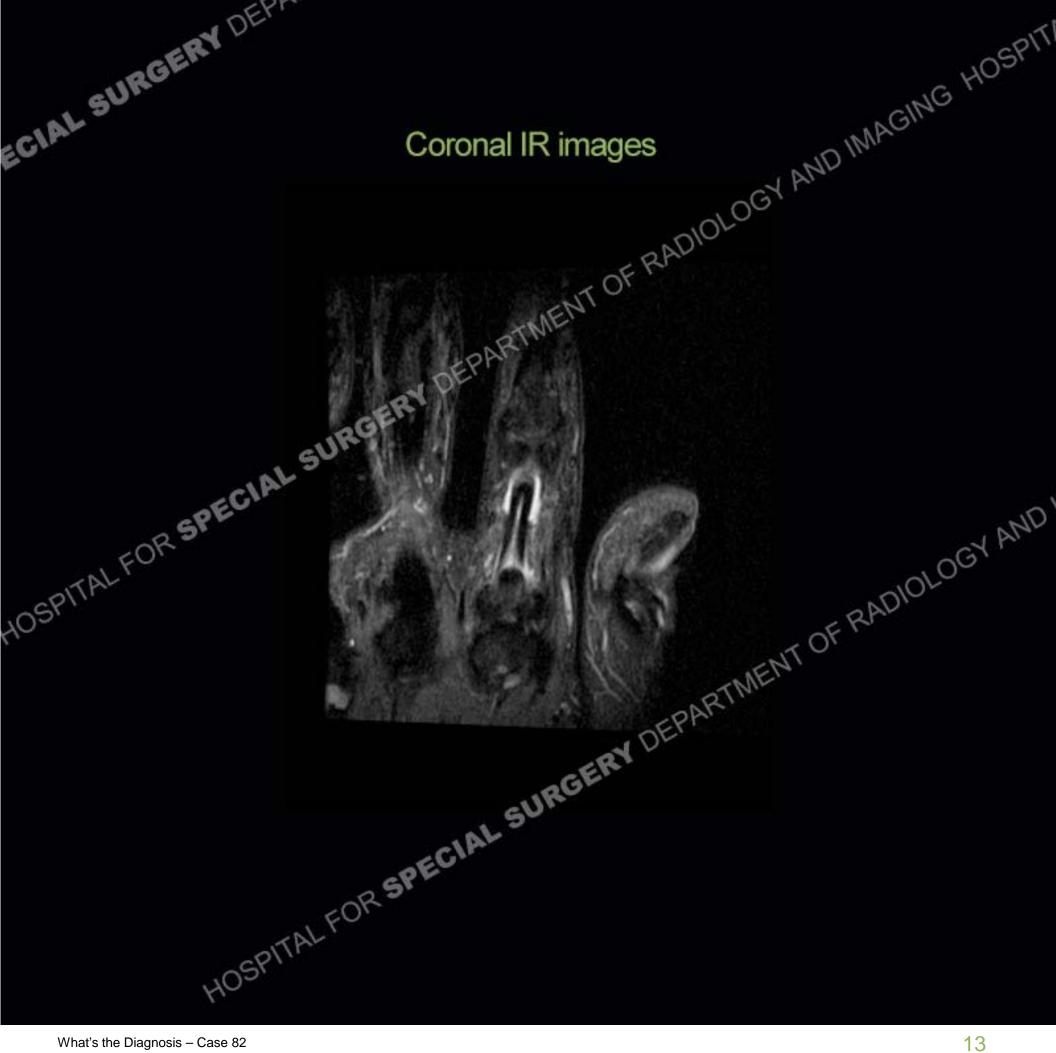




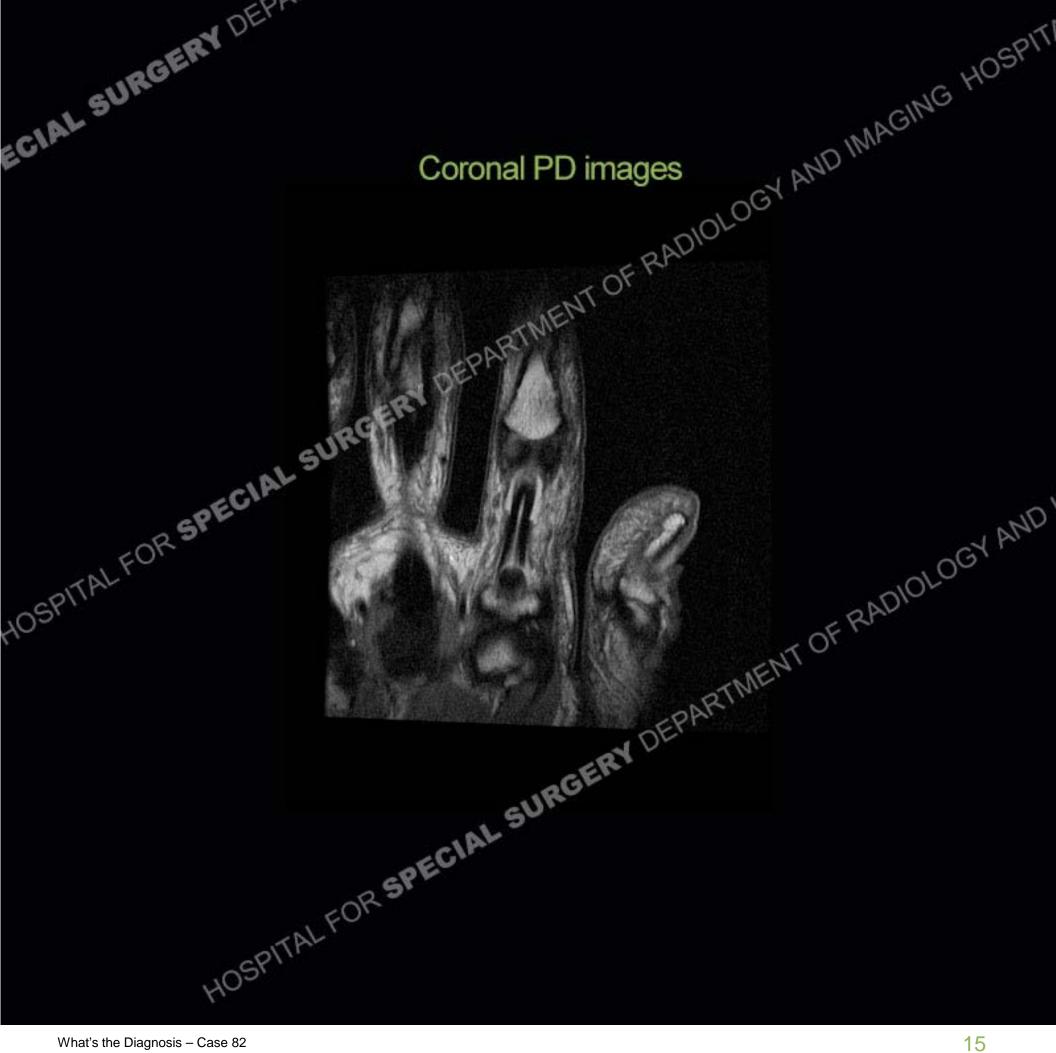


V DEPARTMENT OF MALVIN ECIAL SURGERY DEPARTMENT OF RADIOLOGY AND IMAGING HOSPITAL FOR SPECIAL FRECIAL SURGERY DEPARTMENT OF RADIOLOGY AND IMAGING HOSPIT





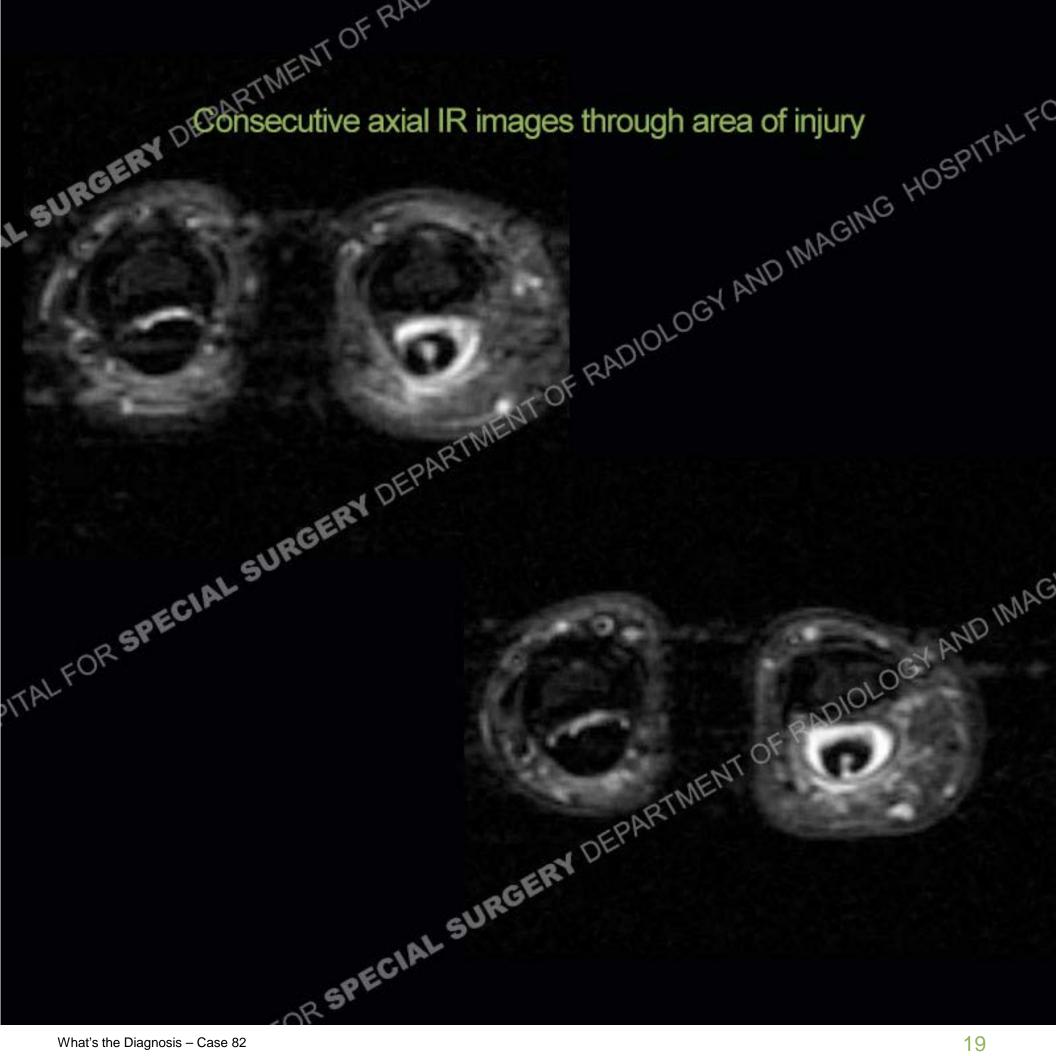












THOSE proximally in the palm and extending distally and extending distally of RADIOLOGY AND DEPARTMENT DEPARTMENT OF RADIOLOGY AND DEPARTMENT D HOSPITALEOR SPREAL SURGERY DEPARTMENT OF RADIOLOGY AND IMA





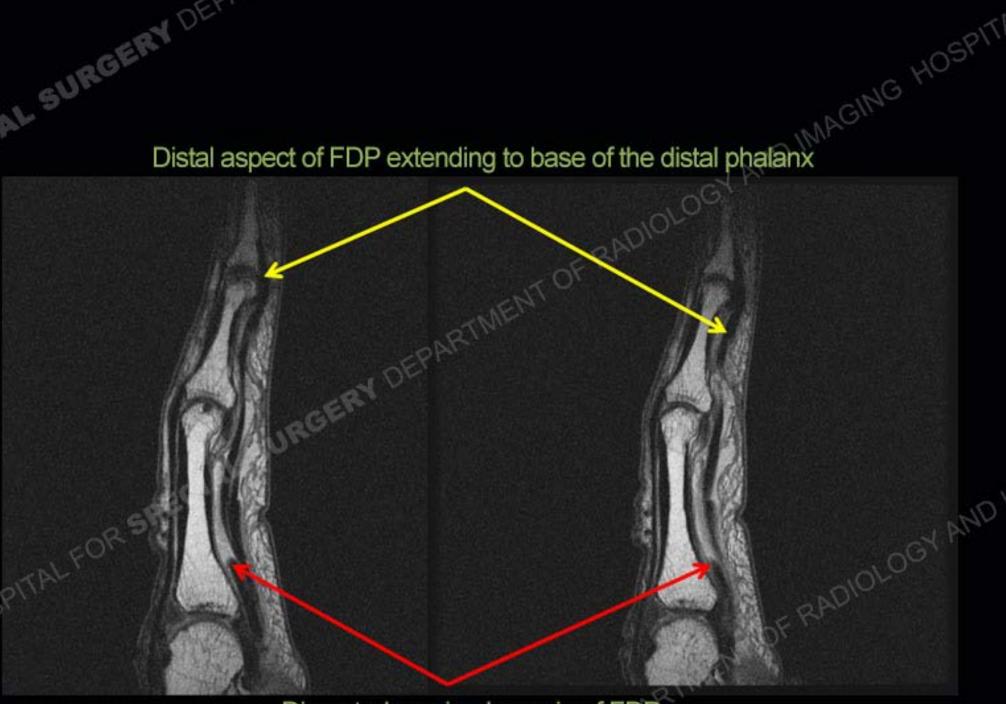


Findings

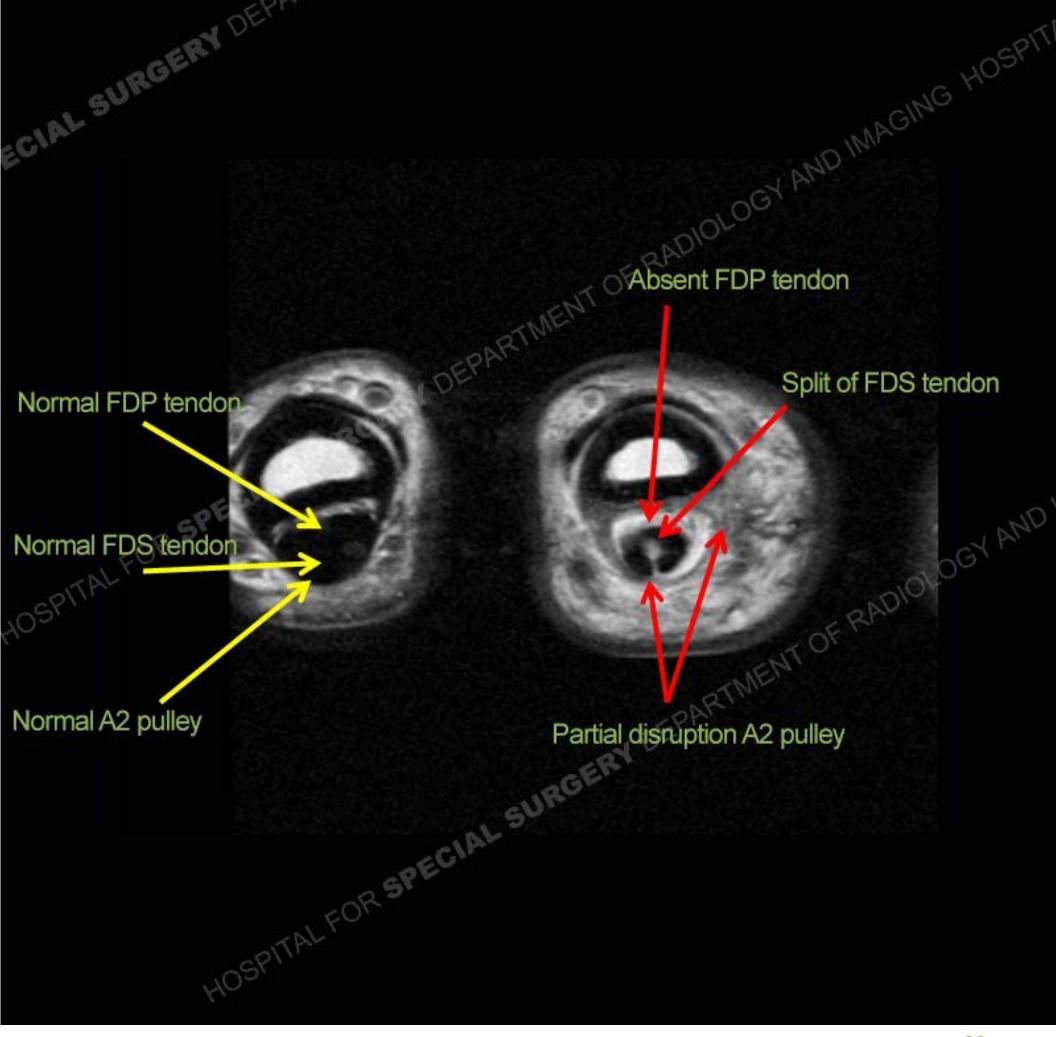
The multiple sets of images demonstrate injury to the flexor tendons with a disruption of the flexor digitorum profundus (FDP) tendon and then an intrasubastance split of the flexor digitorum superficialis or sublimis (FDS) tendon. In addition, there has been a partial disruption of the Annular 2 (A2) pulley. A large tendon gap is present of the FDP but with the tendon not retracted into the palm.

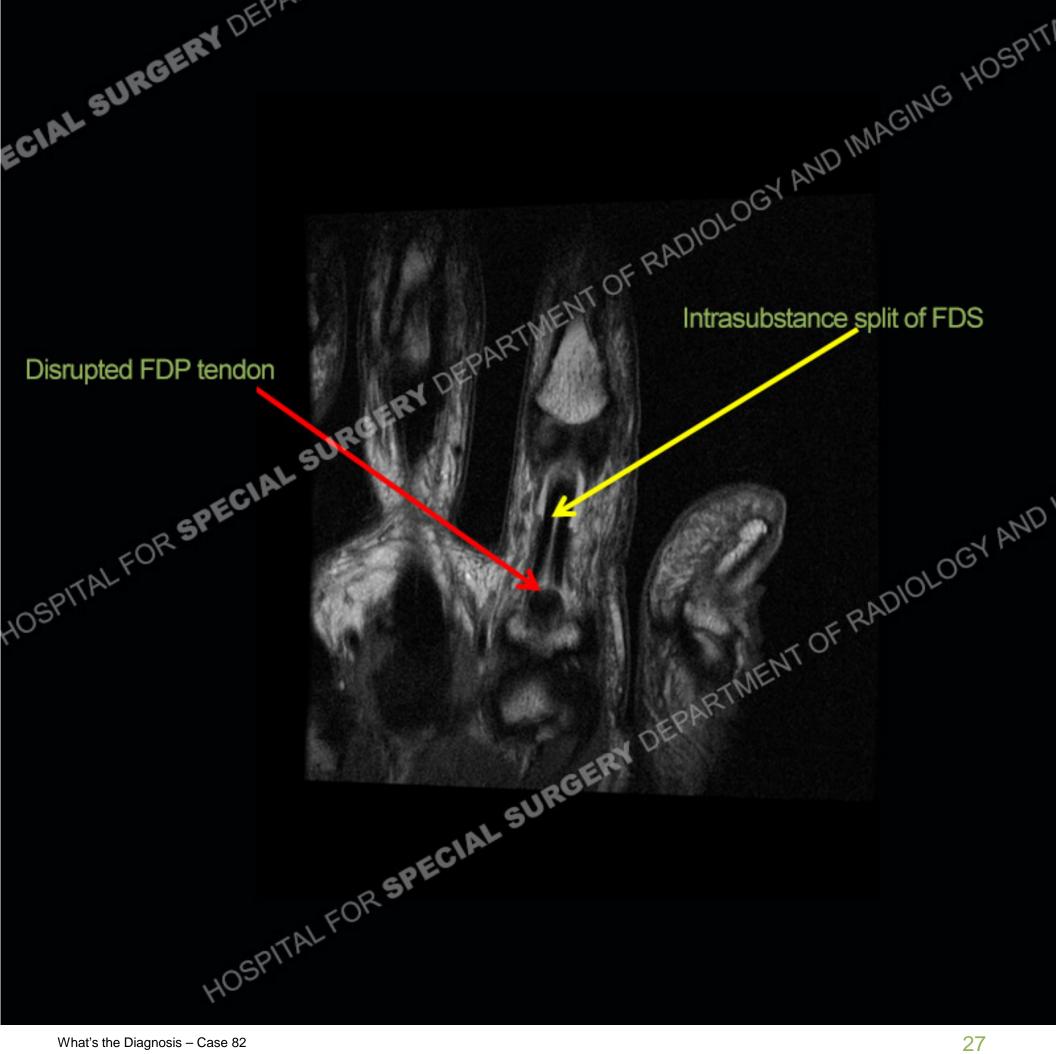


CIALGURGEIN



Disrupted proximal margin of FDP HOSPITAL FOR SPECIAL SURGERY

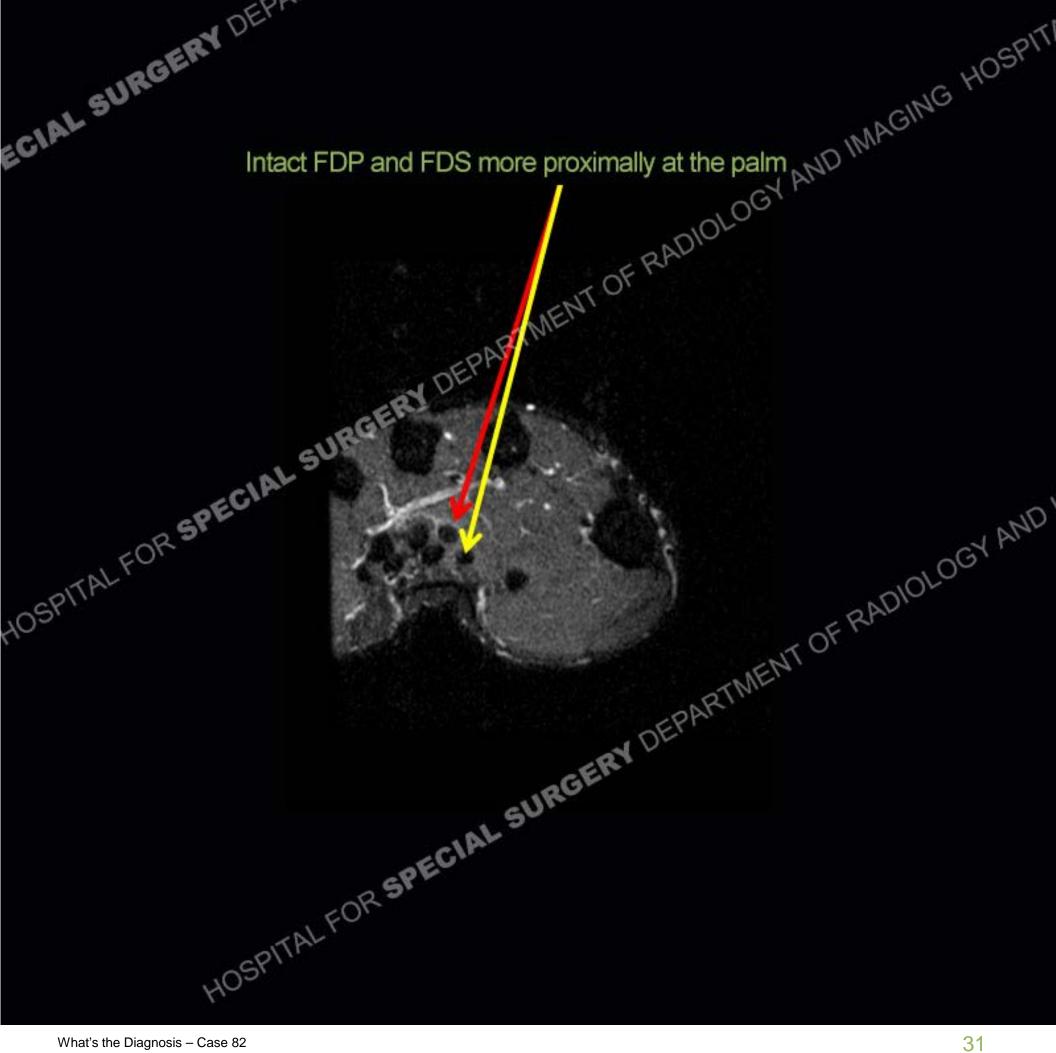
















Diagnosis Zone II Flexor Injury

The flexor tendons of the hand are of the utmost importance for finger functioning. There is a vast amount of information that relates to these injuries which goes beyond the scope of this presentation. The injuries are typically classified by their zone of injury with this injury involving the FDP and FDS between the palmar crease and FDS insertion. The importance of imaging is to show the surgeon a road map for potential repair in the more acute setting and particularly for the degree of tendon retraction. In the more long standing setting, knowing the degree of tendon gap can help with preoperative planning for reconstruction of the tendon via a graft.

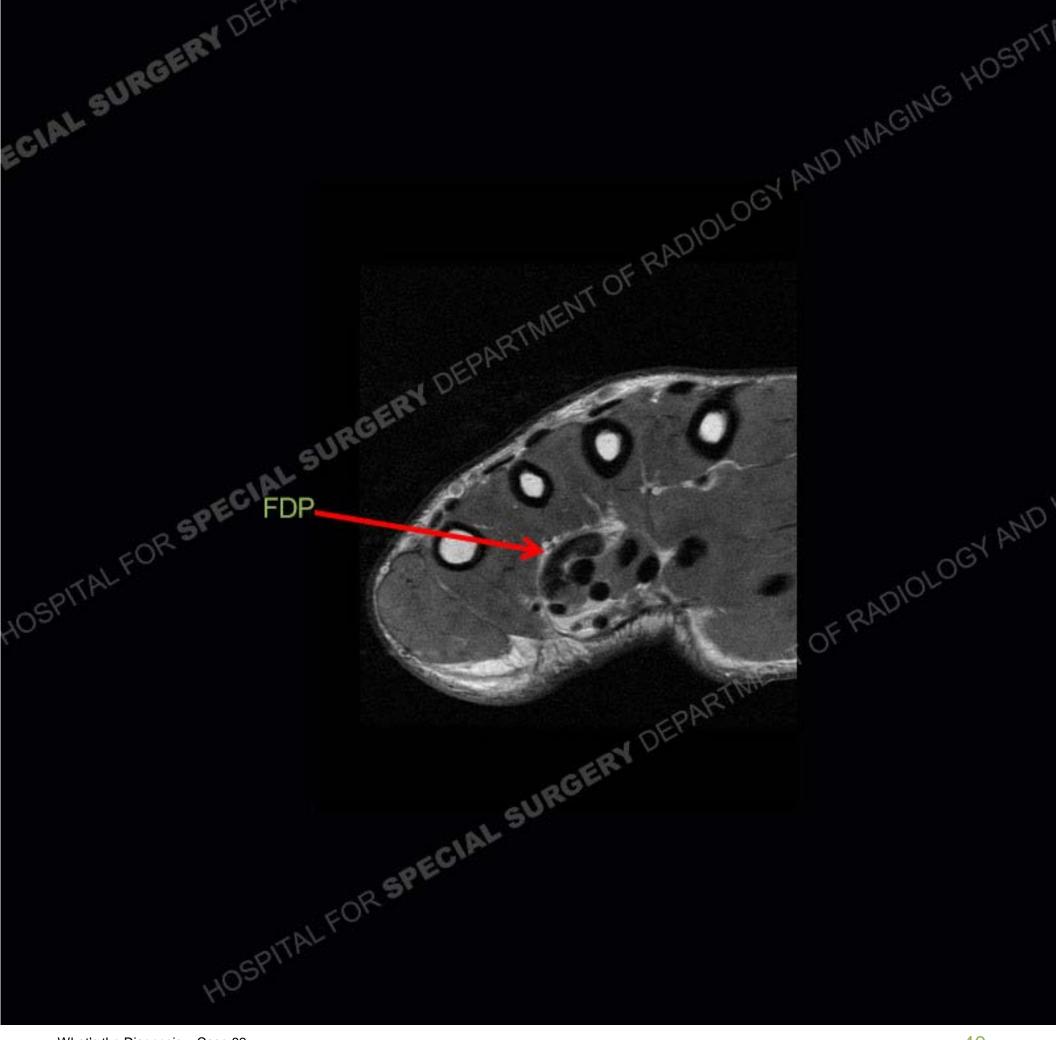
Additionally, information as relates to the annular pulleys is of benefit to assess for need of reconstruction to allow appropriate flexor tendon function and prevent bowstringing of the tendon. As the FDP, provides flexion at the DIP, that corresponds to the lack of flexion this patient has at the DIP. Although there is a split of the FDS, the limbs remained intact to their attachment allowing flexion at the PIP. Given the timing of this injury, 3 months, and the tendon gap a reconstruction will likely be required.

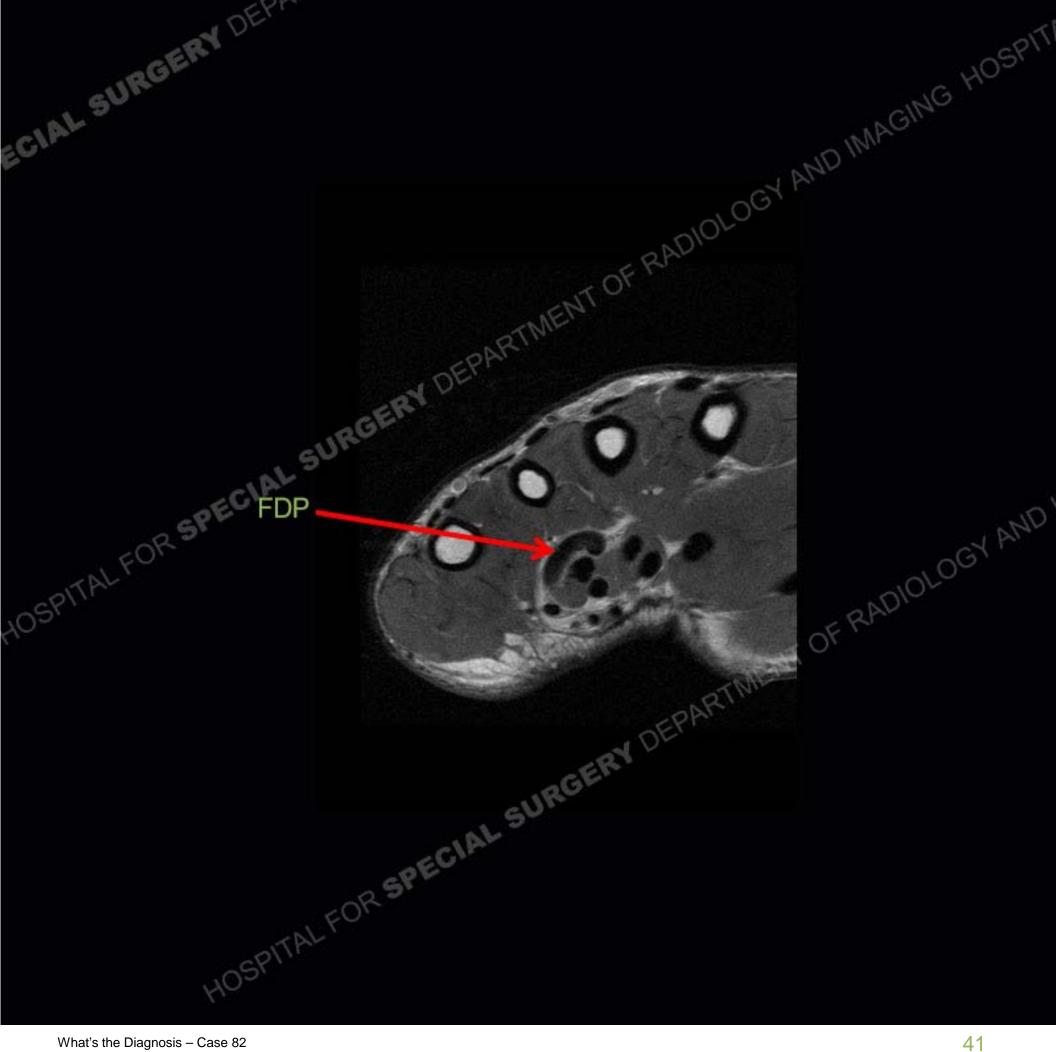
ECIAL GURGEIN VEI FORRADIOLOGY AND IMAGING HOSPIT Correlative case demonstrating retraction and need for imaging of the palm FDP tendon "balled up" in the palm HOSPITAL FOR SPECIAL SURGERY BERGETHER OF RADIOLOGY AND in the palm

HOSPITAL FOR SPECIAL SURGERY DEPARTMENT OF RADIOLOGY AND IMAGING HOSPITAL HOSPITAL FOR SPECIAL SURGERY DEPARTMENT OF RADIOLOGY AND













ECIAL GURGERY VEY AL SURGERY DEPARTMENT OF RADIOLOGY AND IMAGING HOSPIT OF HOSPITAL FOR SPECIAL SURGERY DEPARTMENT OF RADIOLOGY AND FDP distal to area of injury with intact stump at insertion