PREPARATORY ENDOVASCULAR TREATMENT FOR DEFINITIVE SURGICAL CURE OF INTRA-LIPOMATOUS CAPILLARY VENOUS MALFORMATION

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FINANCIAL DISCLOSURE
- Nothing to disclose

CASE: LS
- LS is a 14 yo with purplish discoloration on lower back present since birth
- Area grew as she aged but remained flat until 2012
- Patient with severe pain daily and frequent bleeding episodes. Metronidazole powder used to control odor
- Evaluated by multiple physicians around the world
- Patient came to Swedish Medical Center in September 2014

WHAT IS IT
- Intra Lipomatous Capillary-Venous Malformation
- There is a synergistic epigenetic inducement of cellular growth and proliferation
- These are in reality Vascular Tumors
- There is pathological lipid and vascular cellular anatomy
ABNORMAL VASCULAR AND LIPOMATOUS CELLS

- Large Fat cells
- Very large and proliferative vascular cells
- Close proximity of both vascular and fat cells.

TUMOR FROM ABOVE

EXCISION OF TUMOR MASS
SUCCESSFUL EMBOLIZATION OF ARTERIES AND VEINS
DR. YAKES

SIX WEEKS LATER

WHAT WENT WRONG

- The original tumor was removed
- Margins when first looked at were free of vascular tissue at the periphery
- There remained an area of an open wound that did not heal
- The patient began to bleed from recurrent subcutaneous vascular malformation
RECANNALIZATIONS OF EMBOLIZED VESSELS

RESIDUAL OR RECURRENT LUMBAR VASCULARITY

RE-OPERATION EXCISION OF ALL RESIDUAL FAT
WHY?

- The pathology that was reviewed when the second major surgery was performed revealed the close proximity of fat and vascular cells both of which appeared abnormal.
- There is evidence from the pathology that the fat and vascular cells are communicating at a cellular level.

REPEATED ETOH INJECTIONS

- The second surgery removed all visible fat cells by removing all fat and deep fascia.
- Blood vessels were followed deep into the para spinous muscles, and ligated deep.
- Many repeated ETOH and embolizations to eradicate as much of the pelvic vascularity as possible.
WHERE ARE WE NOW

- More than 35 months of therapy and surgery
- To the best of our current knowledge we have eradicated both the fat and viable vascular cells
- We cured Her? Only time will tell
- The patient on 11-21-15 returned to Cambodia
THANK YOU