

PRE-SACRAL MASS IN A THREE YEAR OLD CHILD

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RADIOLOGY AND PATHOLOGY CORRELATION PRESENTATION

UNIVERSITY OF VIRGINIA

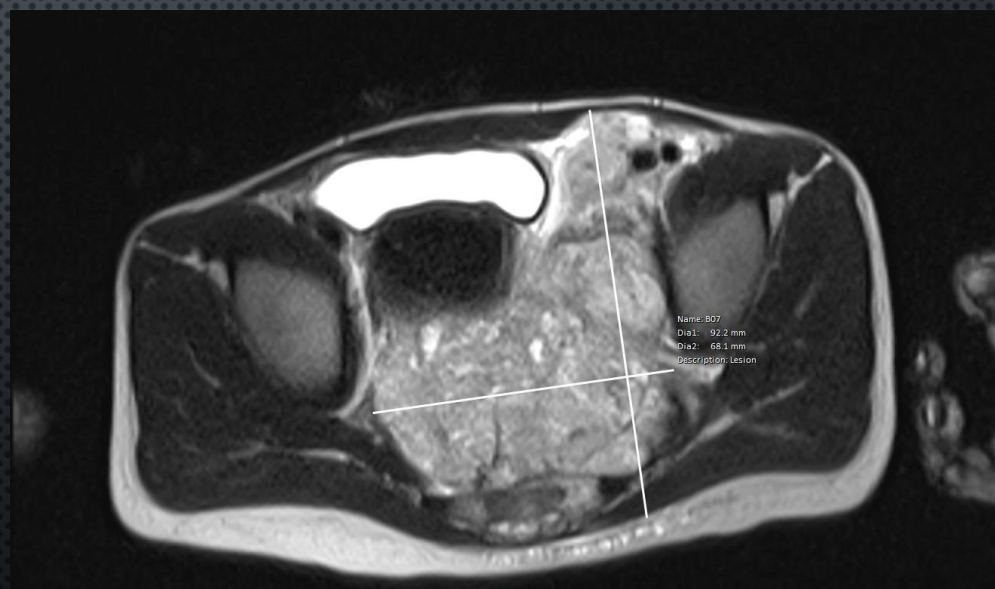
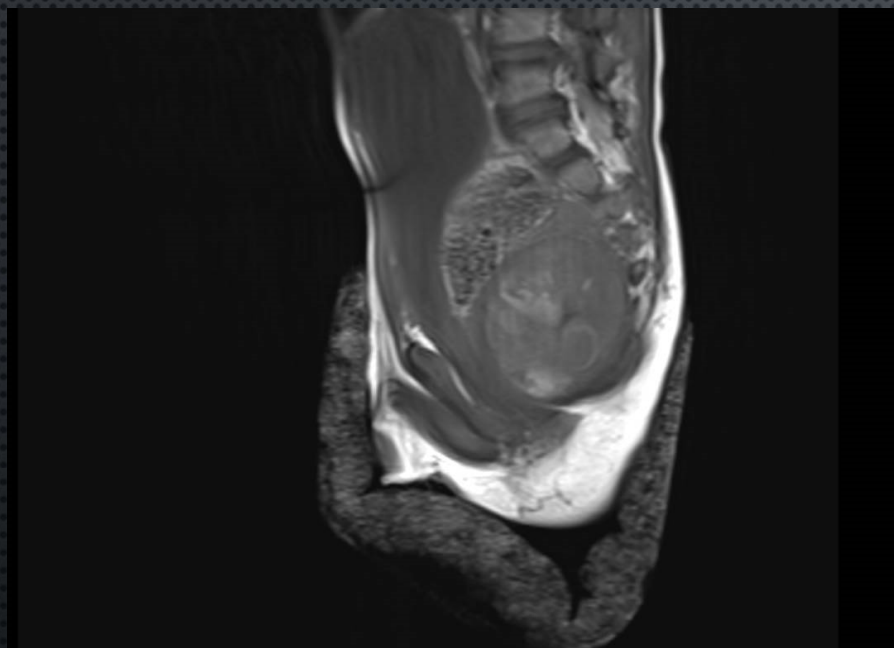
HPI

- 3 YEAR OLD MALE W/ NO PMH
- LEFT LEG PAIN THAT HAS BEEN ONGOING FOR ONE AND A HALF WEEKS
- THREE DAYS PRIOR HAS REFUSED TO WEIGHT BEAR ON LEG AND IS REQUESTING TO BE CARRIED EVERYWHERE
- PAIN IS DIFFICULT TO LOCALIZE BUT PATIENT POINTS TO LEFT KNEE
- TYLENOL, WARM BATHS, NOT HELPING PAIN
- SEVERAL EPISODES OF WETTING HIMSELF WHICH IS UNUSUAL
- DENIES FEVER, RASH, JOINT SWELLING, ERYTHEMA, BRUISES FALL OR TRAUMA BUT HAS HAD A RECENT EAR INFECTION
- NO KNOWN SICK CONTACTS BUT ATTENDS DAYCARE
- NO RECENT TRAVEL OR BUG BITES

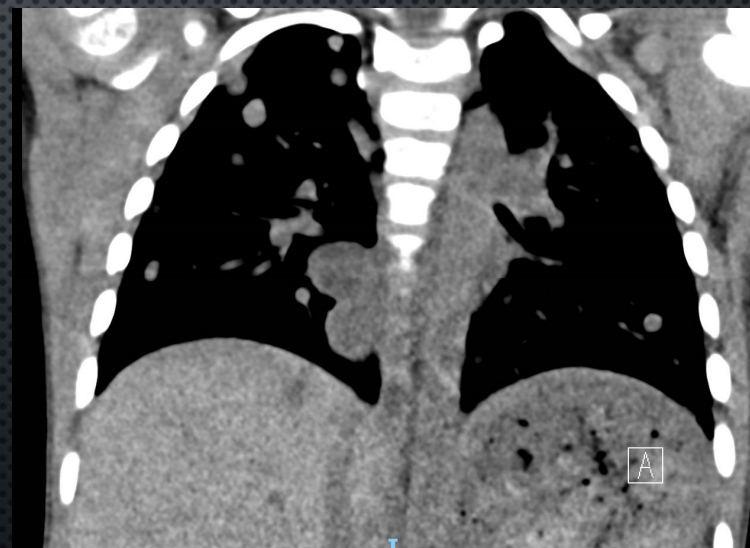
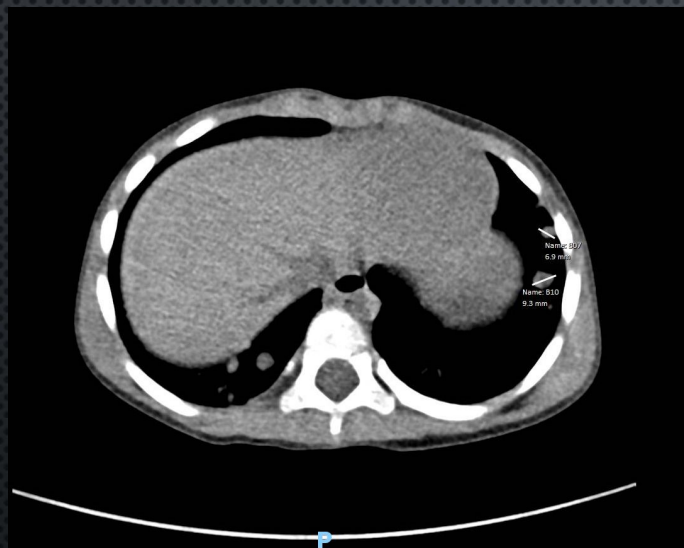
FINDINGS IN ER

- PE: DIFFICULT TO EVALUATE LLE DUE TO PATIENT DISCOMFORT, TENDERNESS TO PALPATION OF LEFT POPLITEAL FOSSA, EXTENSION OF LEG. MILD SWELLING. NO ERYTHEMA, WARMTH, OR ECCHYMOSIS.
- CBC: 7.27/13.6/40.2/443
- ESR: 21
- CRP: <0.1
- BLOOD CX: PENDING
- LEFT HIP US: WNL
- XR LLE: CORTICAL IRREGULARITY, OSSEOUS EROSION CHANGES WITH SOFT TISSUE SWELLING CONCERNING FOR SEPTIC ARTHRITIS
- AFTER TESTS, THOUGHT TO BE UNLIKELY SEPTIC ARTHRITIS, PERFORMED MRI AFTER ADMISSION TO EVALUATE FURTHER CAUSE

MRI RESULTS



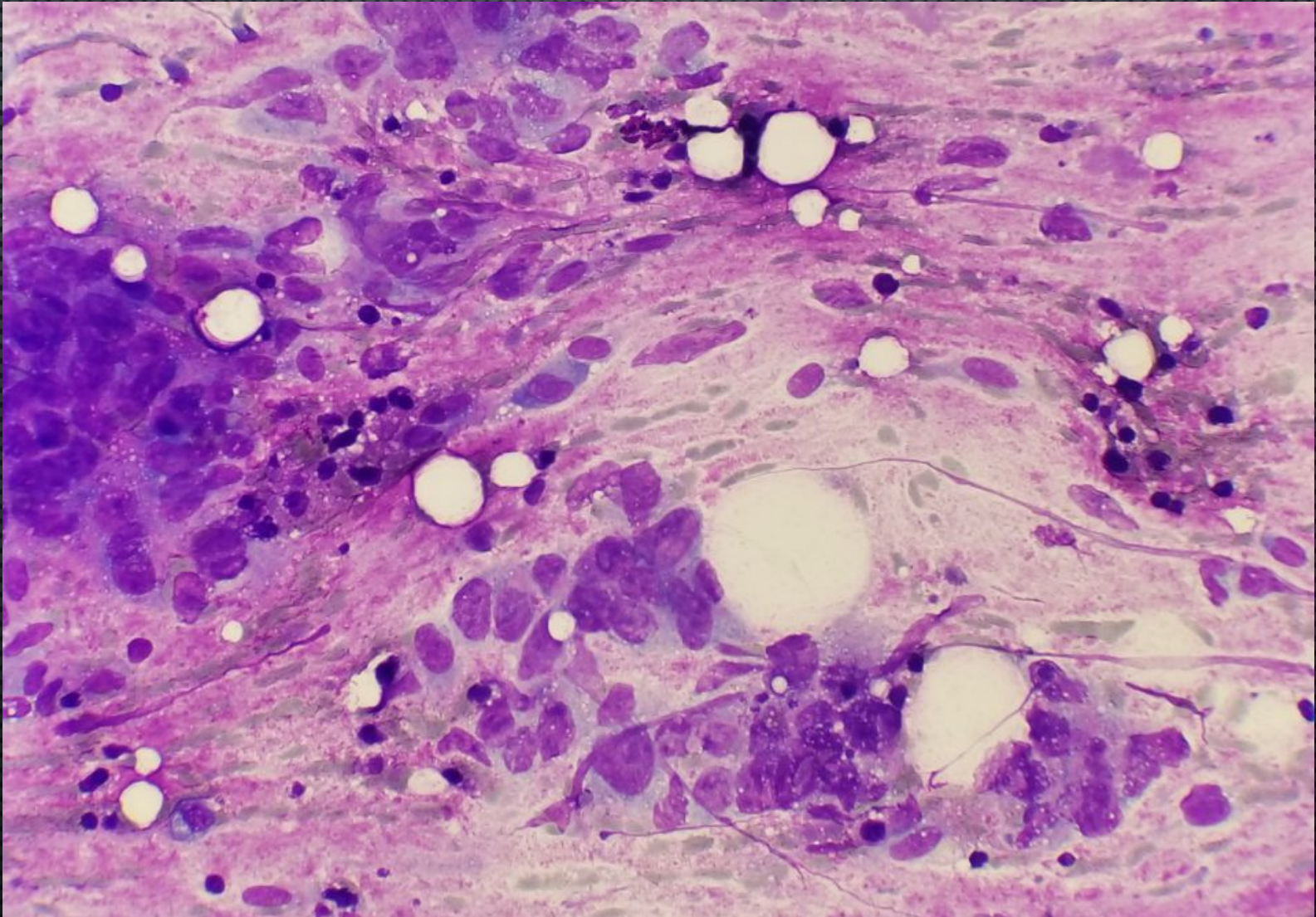
CT CHEST



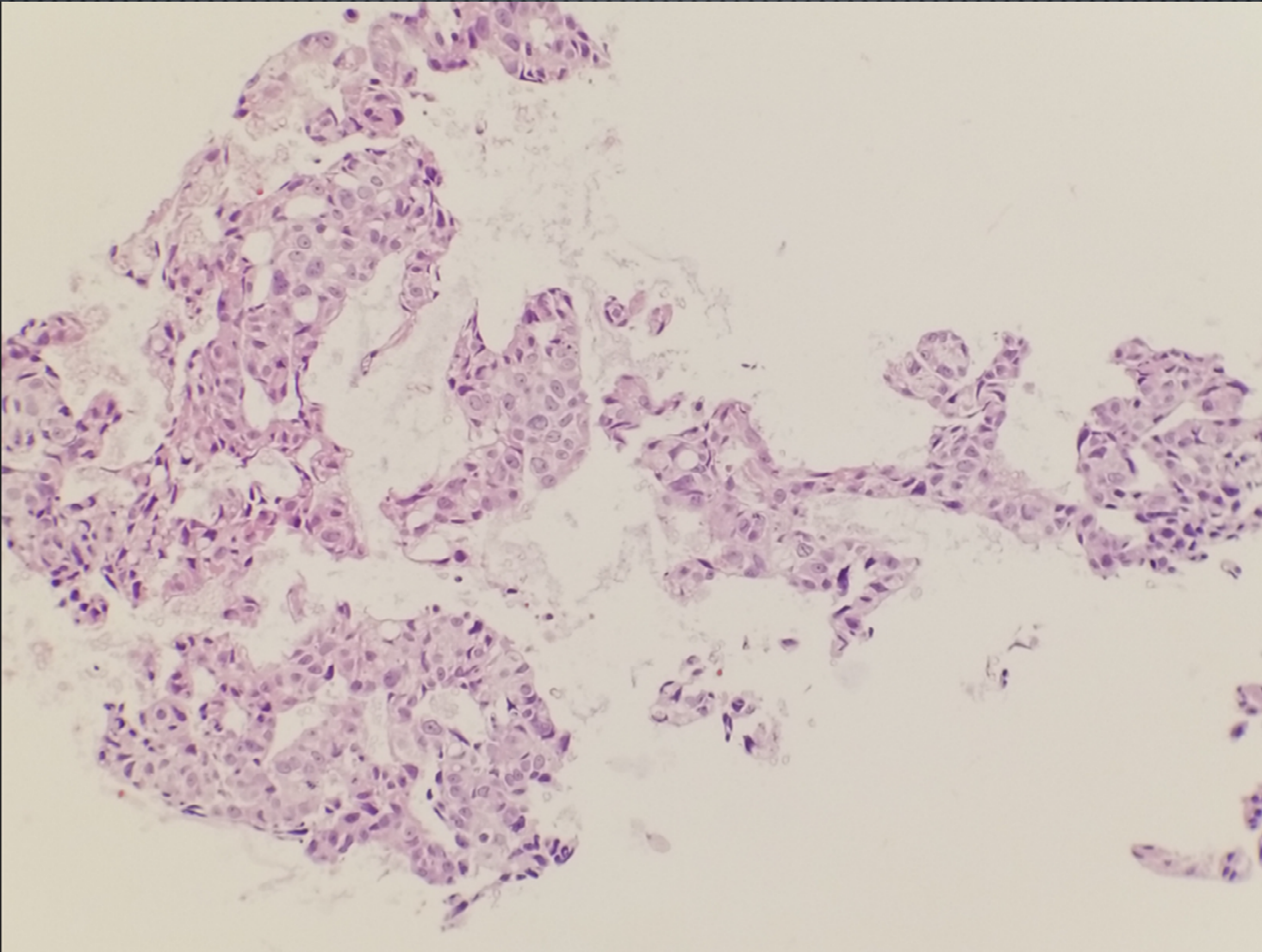
US GUIDED BIOPSY



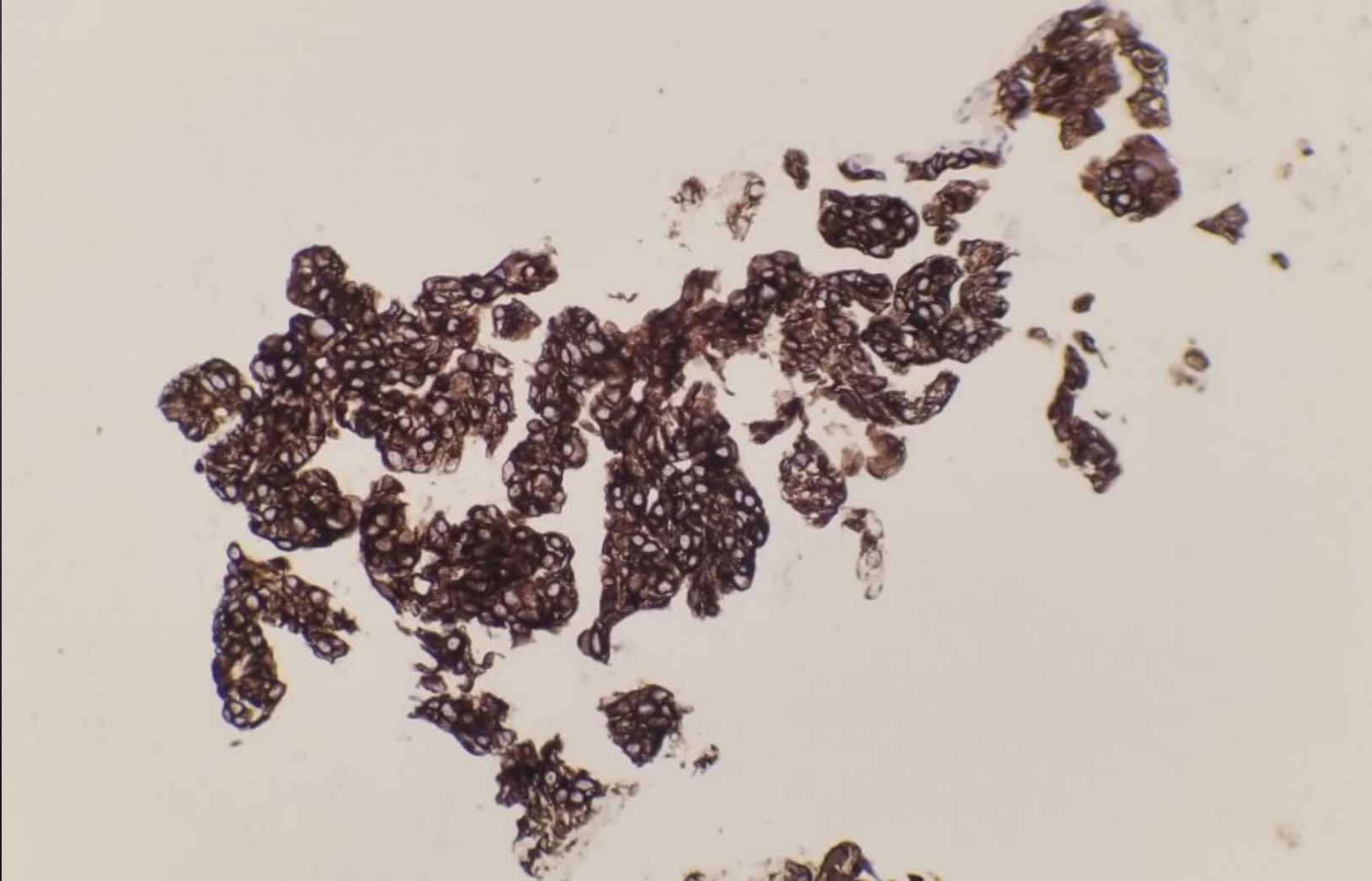
Diff Quick



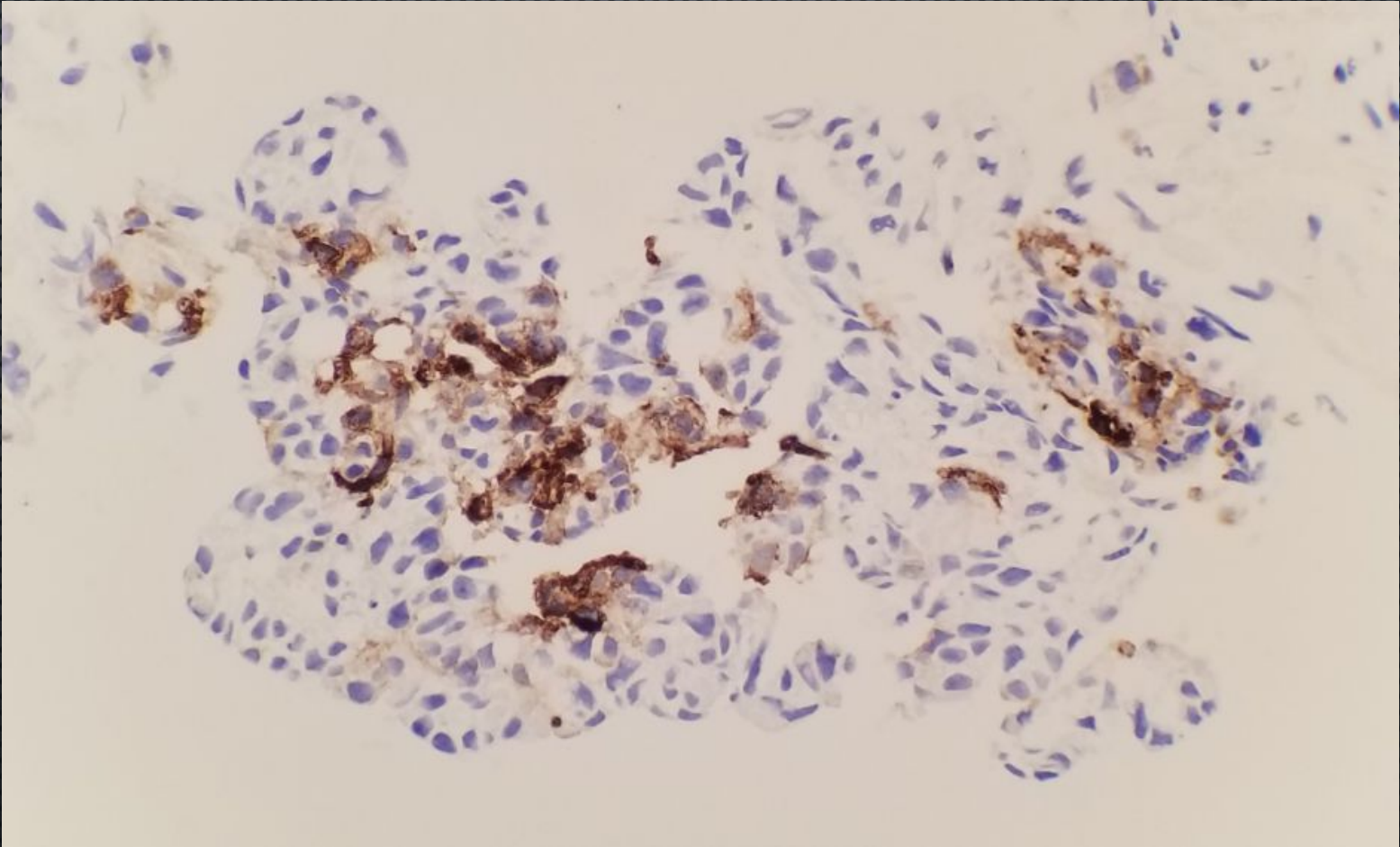
Core Biopsy



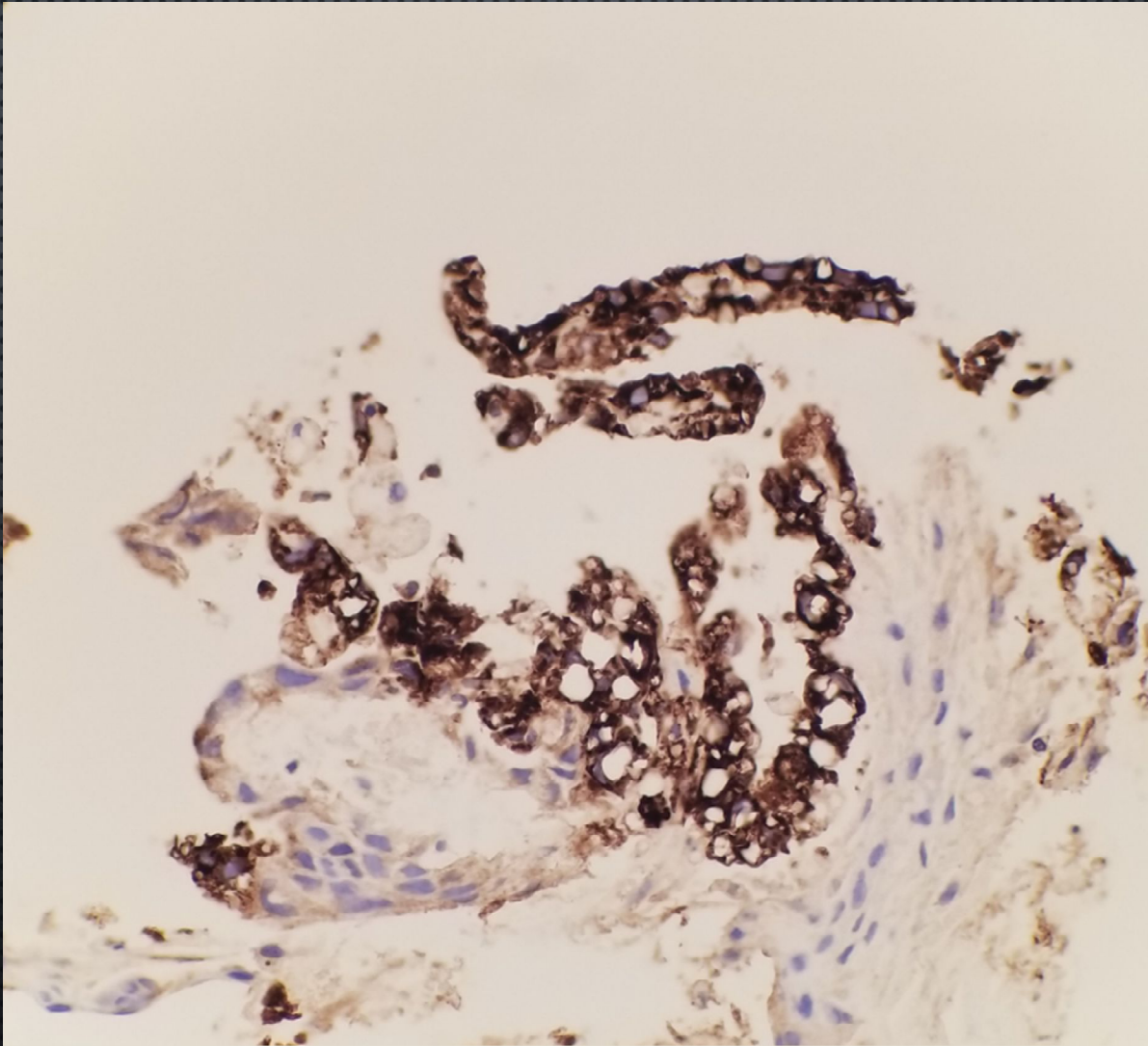
Pan
cytokeratin



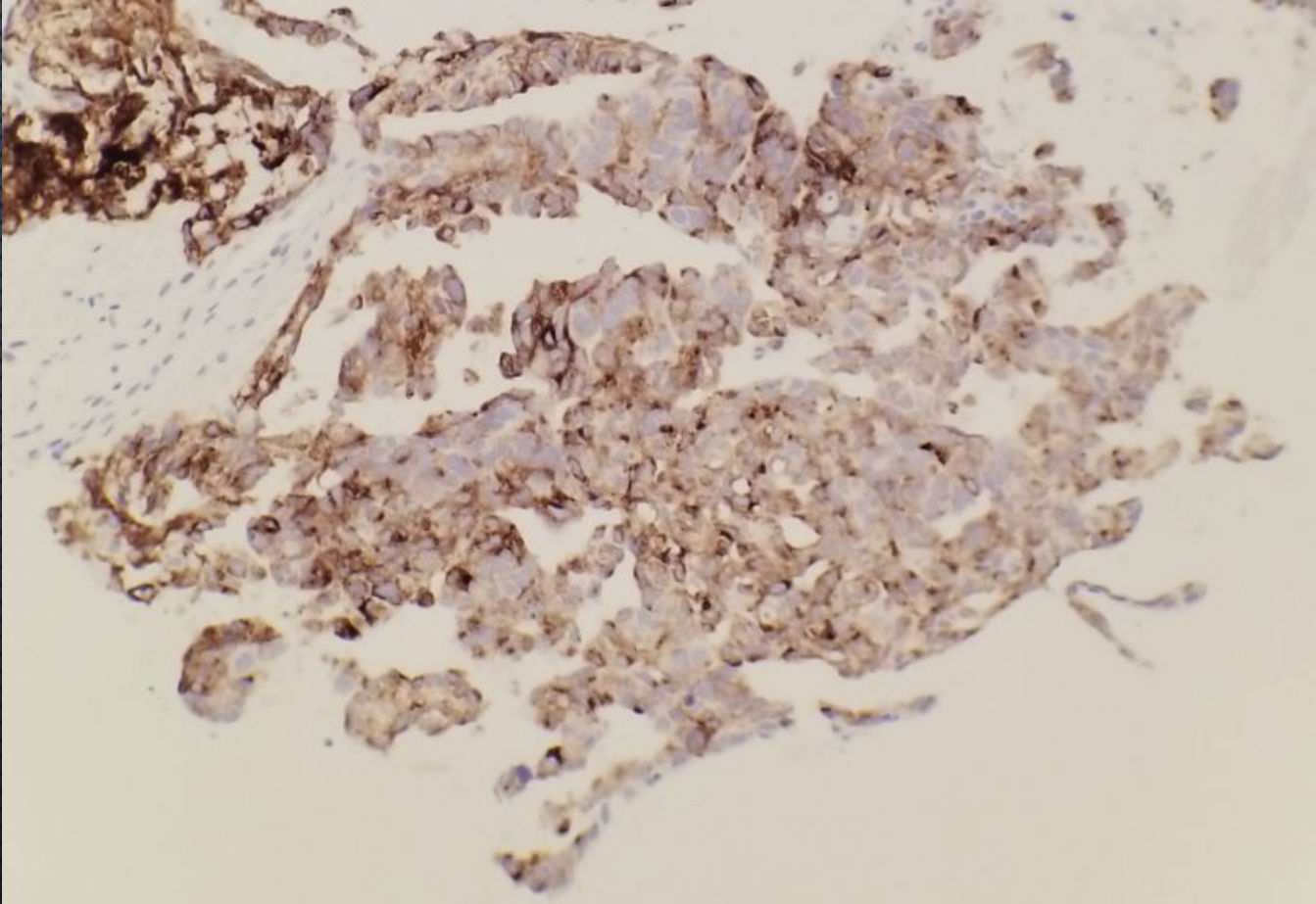
Placental
Alkaline
Phosphatase



Alpha fetoprotein



Glypican 3



YOLK SAC TUMOR

- MOST COMMON MALIGNANT TESTICULAR GERM CELL TUMOR IN PREPUBERTAL CHILDREN
- ACCOMPANIED WITH INCREASED AFP PRODUCTION, DOES NOT PRODUCE HCG
- POSITIVE PROGNOSIS WITH EARLY AND APPROPRIATE CHEMOTHERAPY

HOSPITAL COURSE

- CURRENTLY ADMITTED TO AN INPATIENT FLOOR FOLLOWED BY HEME/ONC
- AFP TUMOR MARKER LEVELS FOUND TO BE 65,112
- PORT PLACED - CISPLATIN, ETOPOSIDE, DECADRON THERAPY
- PAIN MANAGEMENT
- CURRENTLY DOING WELL

REFERENCES

- BROWN NJ. YOLK-SAC TUMOR ("ORCHIOBLASTOMA") AND OTHER TESTICULAR TUMOURS OF CHILDHOOD. IN: PATHOLOGY OF THE TESTIS, PUGH RC (Ed), BLACKWELL SCIENTIFIC, OXFORD 1976. P.356.
- WEI Y, WU S, LIN T, ET AL. TESTICULAR YOLK SAC TUMORS IN CHILDREN: A REVIEW OF 61 PATIENTS OVER 19 YEARS. *WORLD J SURG ONCOL*. 2014;12:400. PUBLISHED 2014 DEC 29. DOI:10.1186/1477-7819-12-400