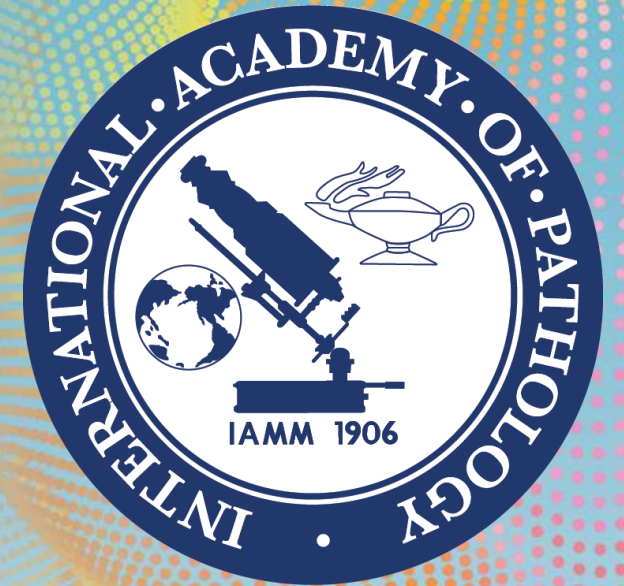


The Red Herring Case

Dr Anthony Amof

Port Moresby General Hospital / National Department of
Health - PNG



 The 48th Annual Scientific Meeting *of the*

Australasian Division of the
International Academy of Pathology

Disclosure of Relevant Financial Relationships

No Relevant Financial Relationship with regards to the case

Patient Identification

- Name: E.R
- Sex/Age: Male/5 years
- Referred case from a Provincial Hospital as a case of Intra-Ocular Retinoblastoma for Chemotherapy

Clinical Details

Presenting Complaint

- 1 year history of leukocoria with blurry vision and increase in the size of the right eye



Clinical Examination of the Eye

- **Local Right Eye Assessment**
 - Totally Blind

- **Left Eye Assessment**
 - Low Vision Assessment (LVA) - 6/6. Dilated Fundus Examination (DFE) was normal on the left eye

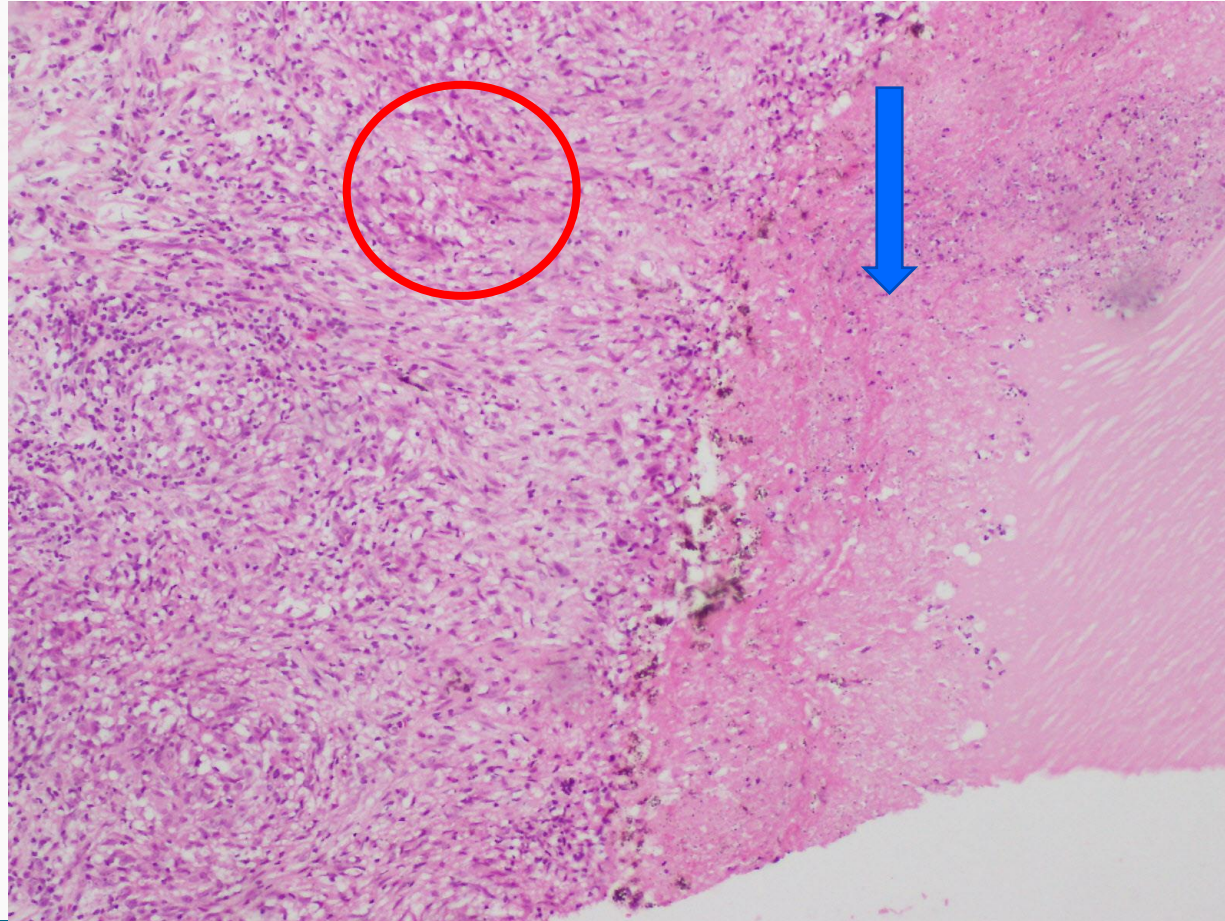
CT Investigation of the Eye

- CT Scan done (1/11/23)- revealed evidence of intra ocular Retinoblastoma
- High density mass seen. The high density mass was well defined . Associated calcifications was noted in high density tumor areas. No areas of contrast enhancement.
- Grade 1 Retinoblastoma diagnosis was made

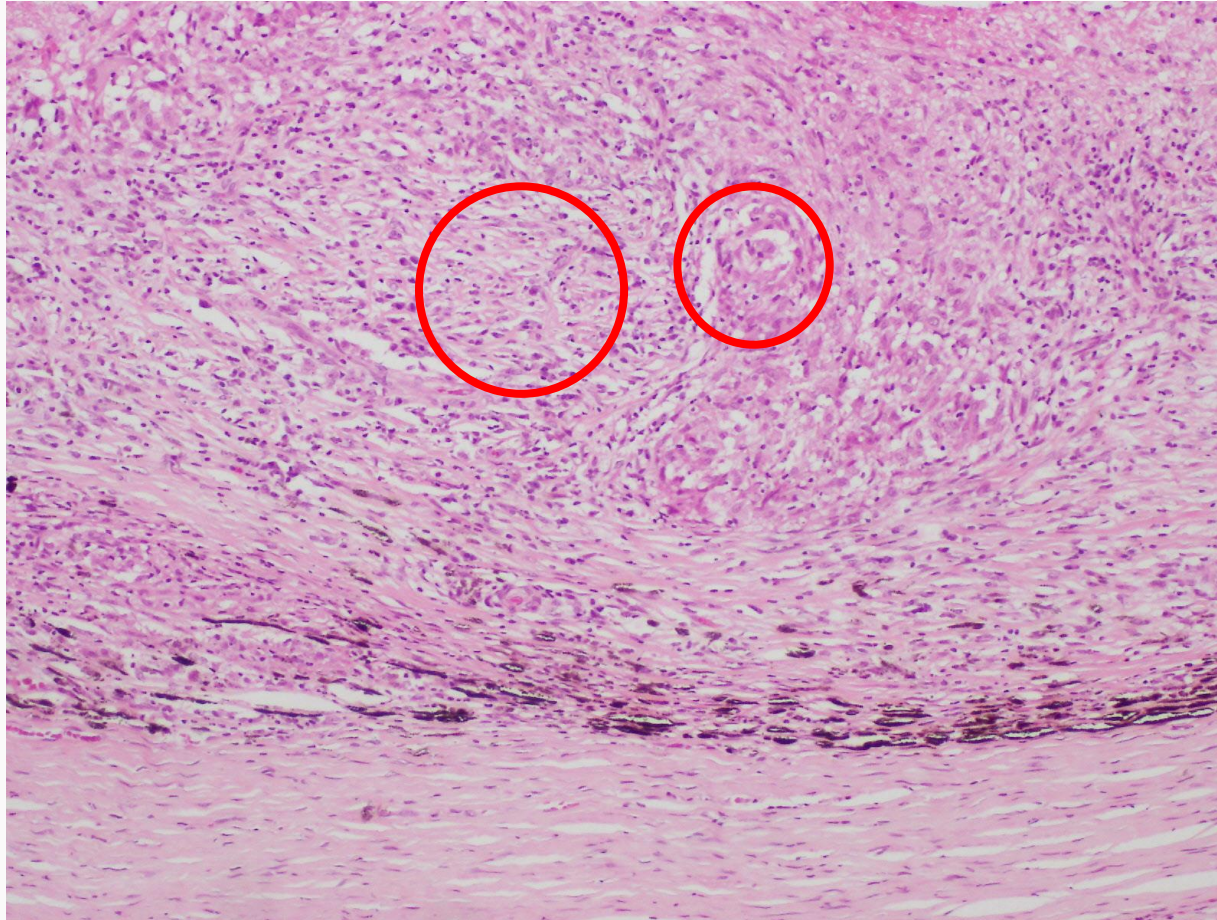
Progress

- Patient underwent right Enucleation on 28/11/23 under GA.
- Enucleated globe (sample) was sent for Histopathology to Port Moresby General Hospital
- Post operative recovery was uneventful
- Patient was referred to Port Moresby General Hospital for Chemotherapy and further Management

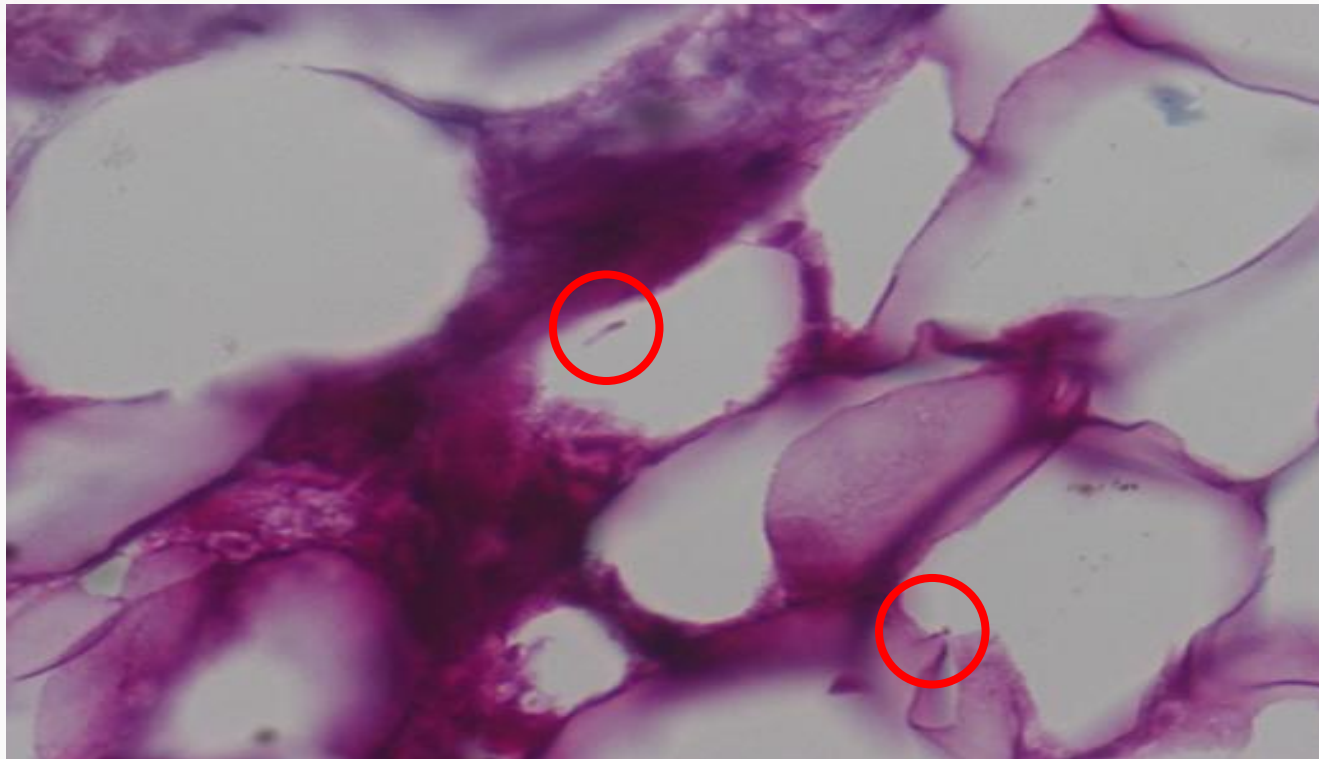
Histopathology Examination



Histopathology Examination



ZN Stain



Diagnosis

- The diagnosis of **Intraocular Tuberculosis** was made.
- Patient commenced on nine months of Drug Sensitive TB Treatment
- Monitored for two weeks by the Pediatric team
- Discharged to home province for completion of treatment.
- Patient is responding to the treatment.

TB Situation in PNG

- TB is a significant public health threat in PNG and is among the top 5 causes of illness with hospital admissions and deaths in every province. (WHO)
- 15-20 people die from TB everyday.
- In 2022, the National TB Program reported an estimated 37,000 new cases of TB, and 2,600 TB deaths.
- PMGH 2023 Data from FNAB clinics, Tuberculosis lymphadenitis accounts for 50-60% of the benign cases. (Pathology Annual Report 2023)

TB Situation in PNG Continue

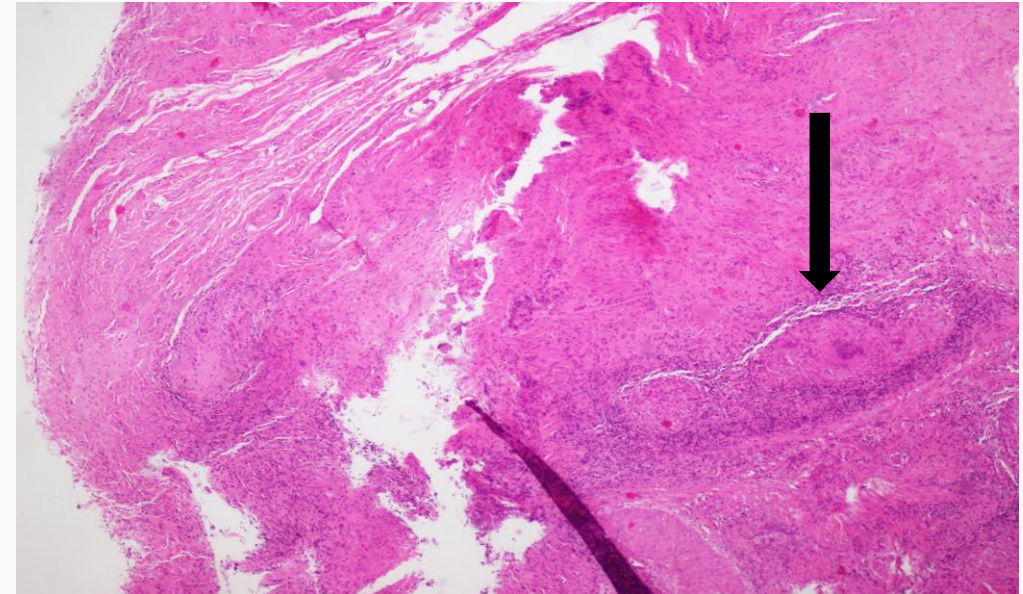
- TB Testing Platforms
 - Microscopy (All Provincial Hospitals)
 - PCR – Gene Xpert Testing (All Provincial Hospitals)
- Drug resistant TB (DR-TB) prevalence is 3% among new TB cases and 26 % among retreatment cases. This translates to about 2000 new drug resistant TB cases per year. (WHO)
- DST with Culture and LPA – Not done in PNG. Samples are usually sent to Queensland Laboratory

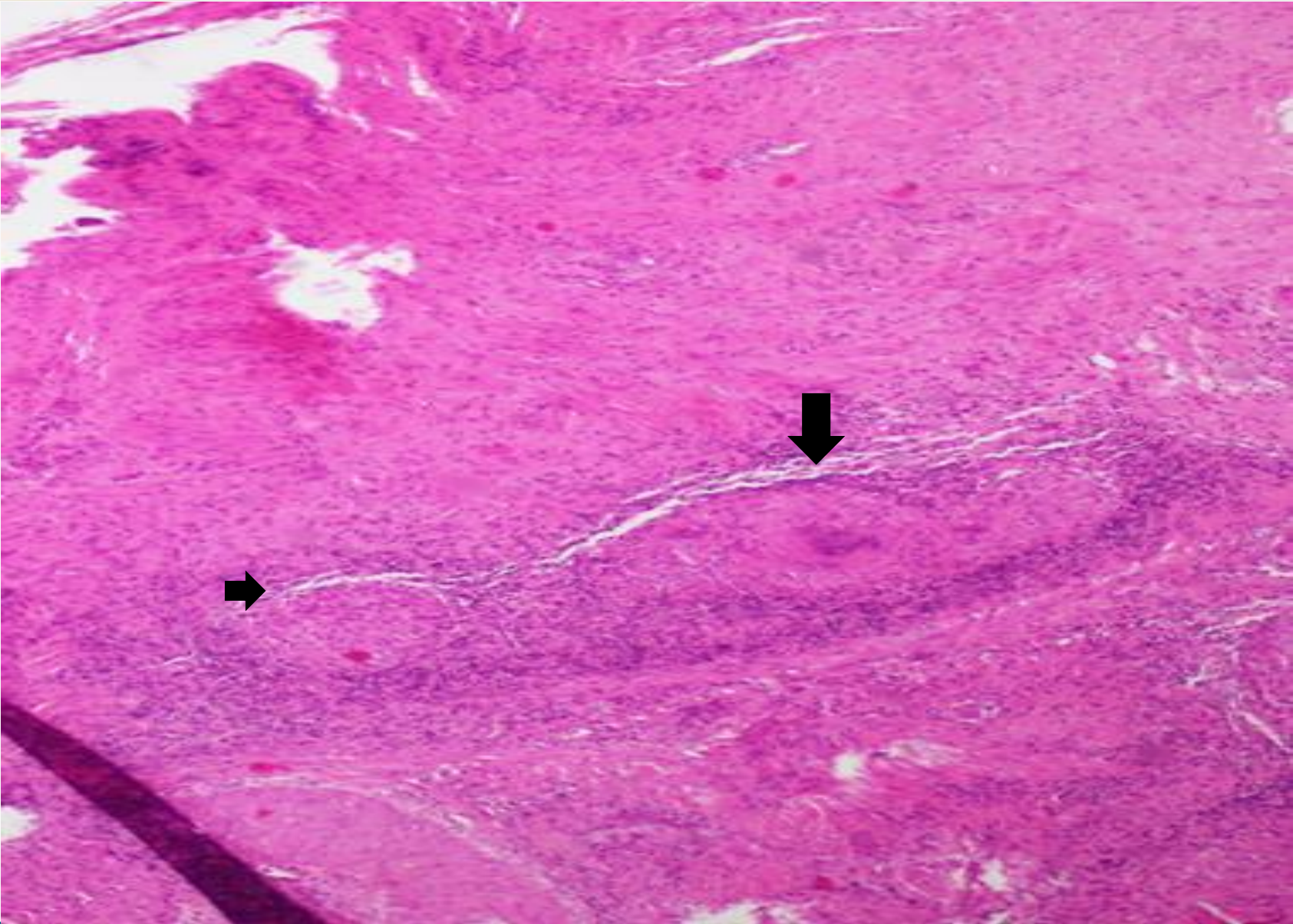
CASES – Extra pulmonary Sites

Ectocervix

- F/48
- P3, LCB 19 years ago, presented with prolonged menstrual bleeding for 2/12. Noted lesion on the cervix – 4 cm in diameter and bleeding on contact with involvement of right parametrium.
- Provisional diagnosis of Cancer of Cervix IIB
- Biopsy was sent for histology

Lab# 4147/23 – H&E Stain

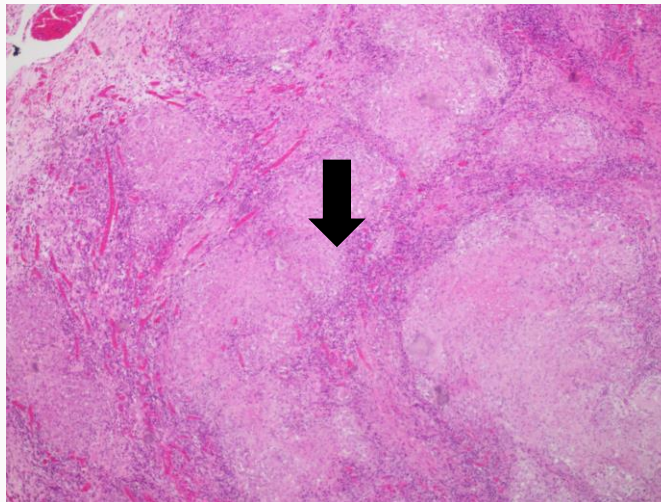




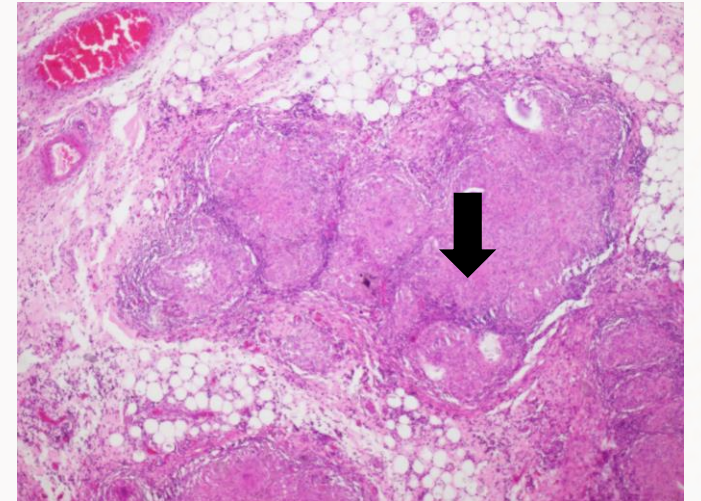
Cases

- EJ ; F/17
- PC – abdominal pains and swelling x 4/12 with weight loss
- Had a exploratory laparotomy and appendix and tissue from omentum was taken and sent for histology

Lab# 021/24 – Appendix



Lab# 021/24-Omental tissue



References

- WHO TB Statistics in Papua New Guinea
- WHO Drug Resistant Data in Papua New Guinea
- Port Moresby General Hospital Pathology Annual Report 2023

End of Presentation

Any Questions?

