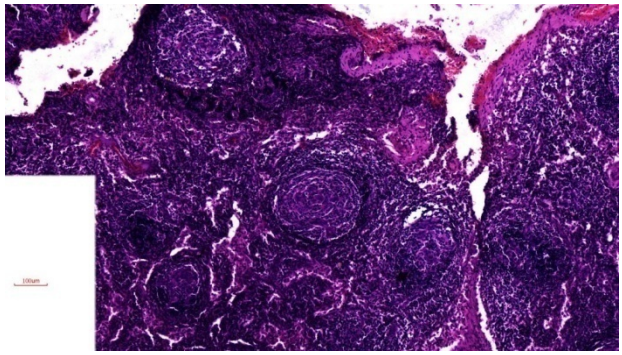


iMCD-TAFRO SYNDROME- A CASE REPORT

Dr Frank Mukonde

Internal Medicine

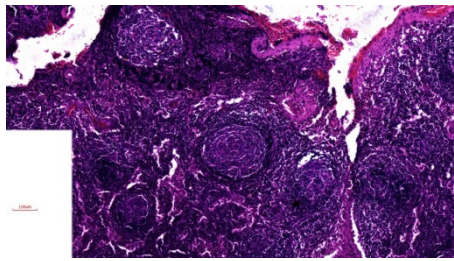
Kitwe Teaching Hospital & University of Edenberg Kitwe, Zambia

CDCN's Annual Castleman Disease Working Dinner (Virtual)

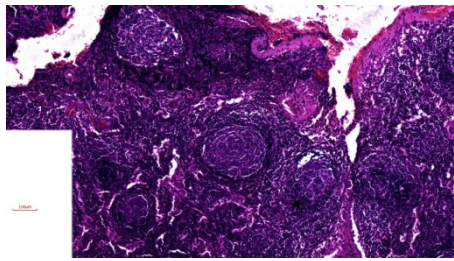
Monday, February 7, 2022

Disclosure: Nothing to disclose

Background



- Castleman's disease (CD) described in 1956 by Castleman et al.
- The 3 subtypes of Castleman's Disease
- Unicentric CD (UCD)
- HHV-8-associated MCD
- HHV-8-negative/iMCD
- TAFRO syndrome is a clinicopathologic variant of iMCD
- Limited data on the prevalence of CD in Zambia



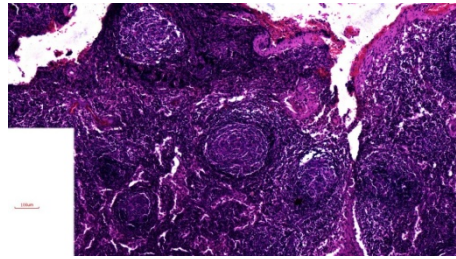
CASE

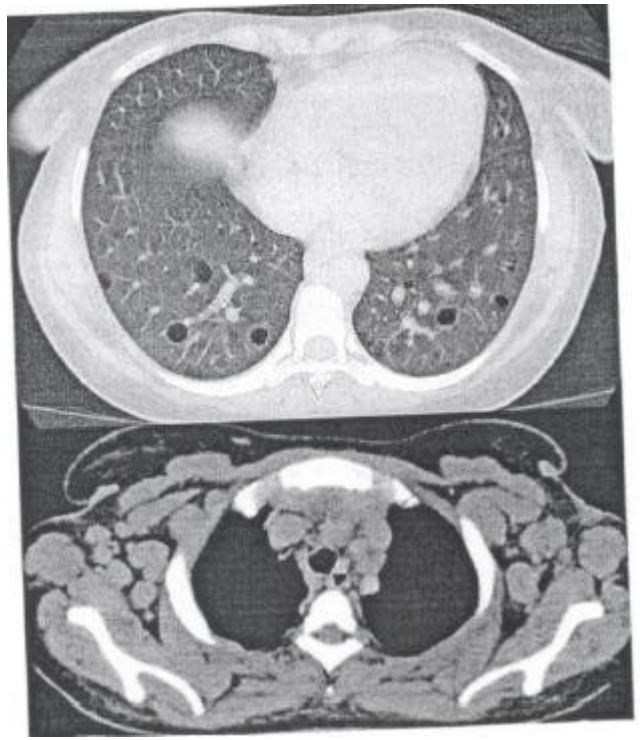
- TAFRO syndrome in an HIV-negative 20 year old black male
- Presented with generalized lymphadenopathy, fever, normocytic anemia, thrombocytopenia, and acute renal insufficiency
- History of being treated as sickle cell disease since the age of 16 years
- CRP > 300 mg/l (0-10)
- Urinalysis- Protein 30mg/dl, pH 6.0, Leucocytes 1+
- HIV- Negative

- HHV-8 IHC staining-Negative
- HB electrophoresis- No evidence of Sickle Cell disease
- Bone Marrow- Megaloblasts, < 5% plasma cells
- Serum Interleukin -6 & anti-CD 20 = Not done
- MPS- malaria 200 parasites/hpf. (Palsmodium Falciparum)
- FBC results- Anemia, thrombocytopenia

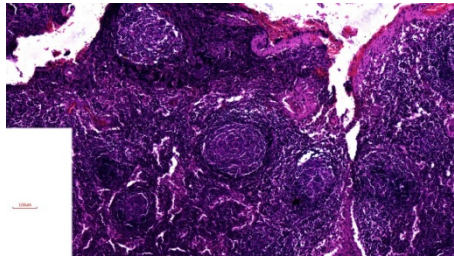
- **Serum Protein Electrophoresis**: Total protein **8.61g**/dl (6.4-8.3), Serum Albumin **1.64** (3.57-5.42), Gamma globulin **5.14g/dl** (0.71-1.54), alpha 1 globulin **0.61g/dl** (0.19-0.40), alpha 2 globulin 0.55 g/dl (0.45-0.96), Beta2 globulin **0.22g/dl** (0.30-0.59), Albumin-Globulin ratio **0.23g/dl** (1.1-2.2)

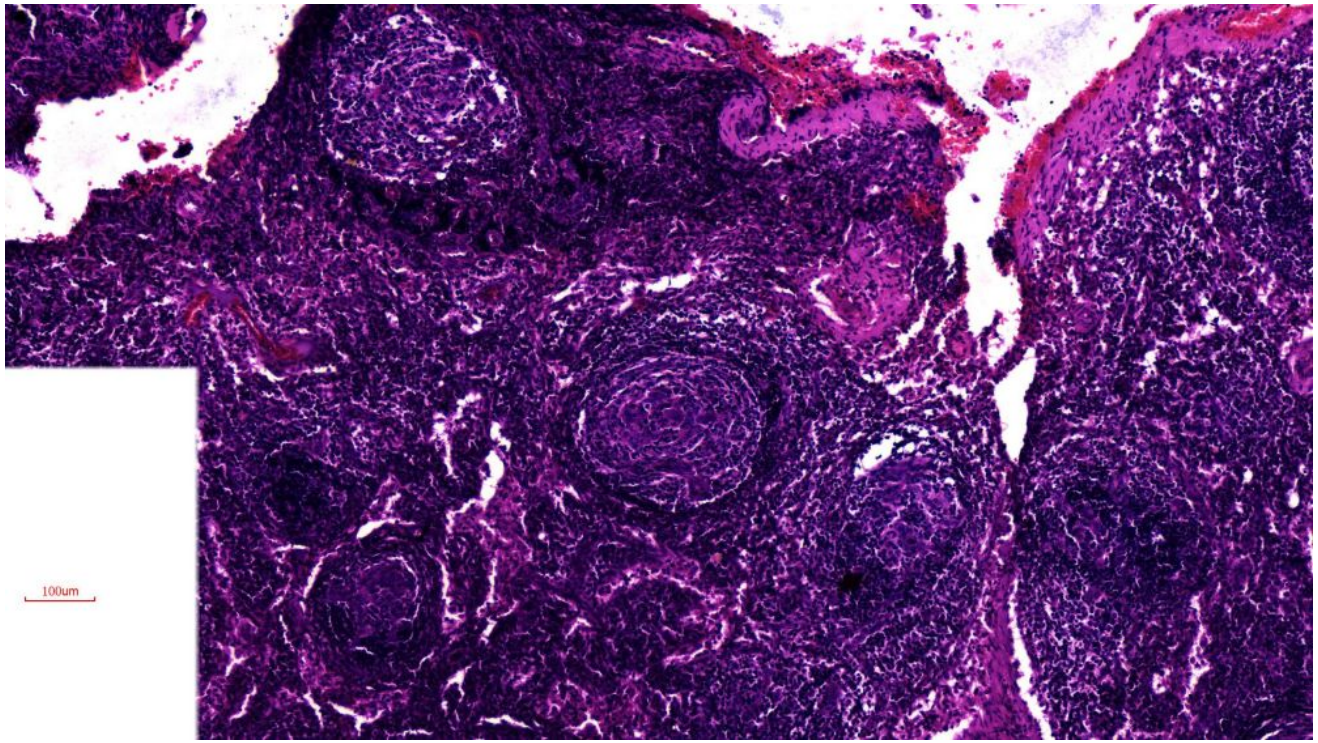
Small lung air-filled cysts and abdominal lymph nodes



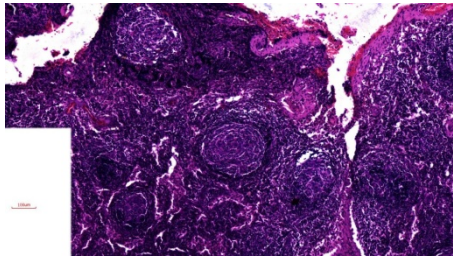


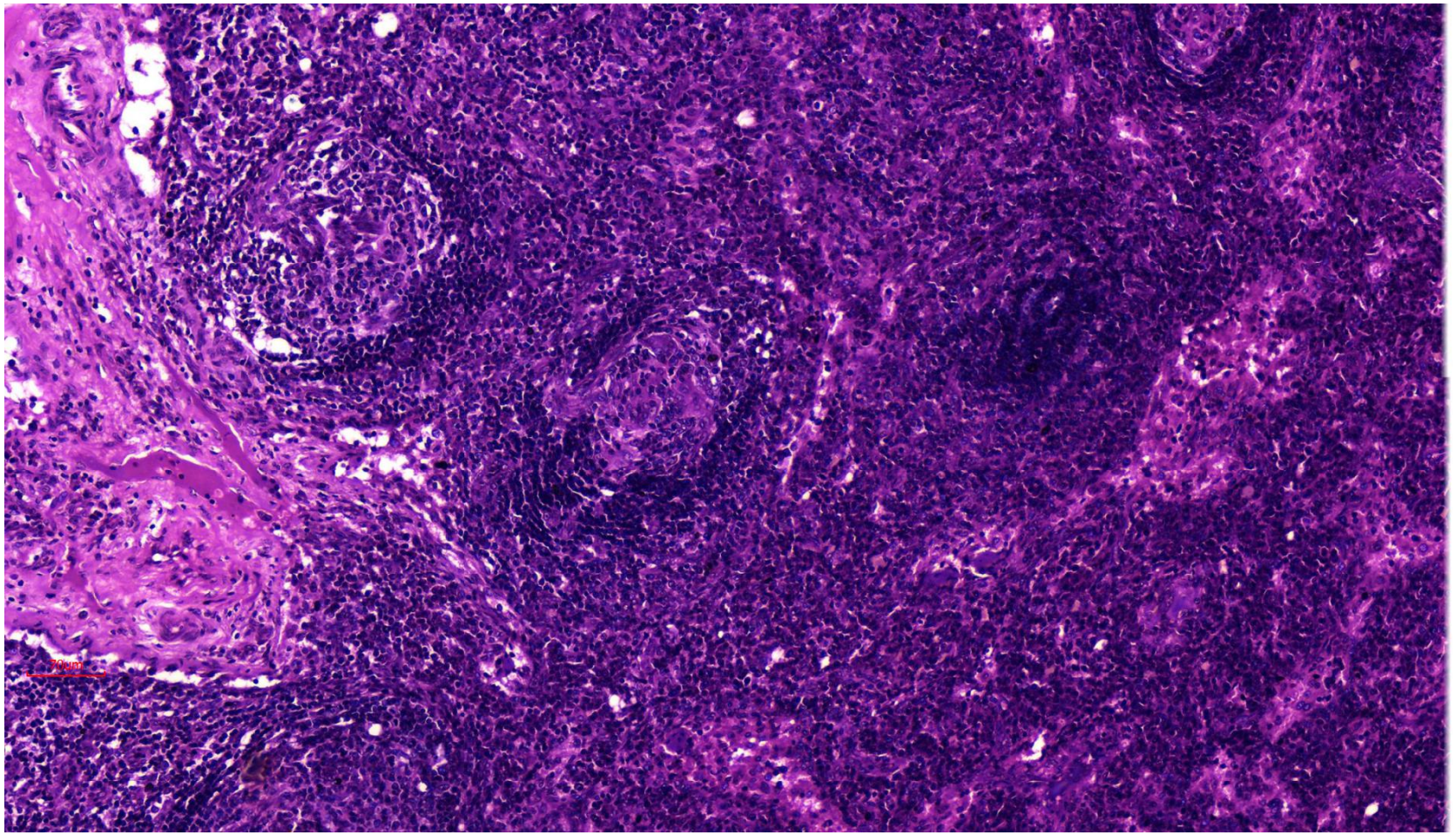
Onion ring skin architecture



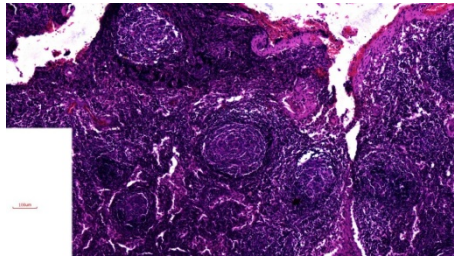


Lollipop lesion



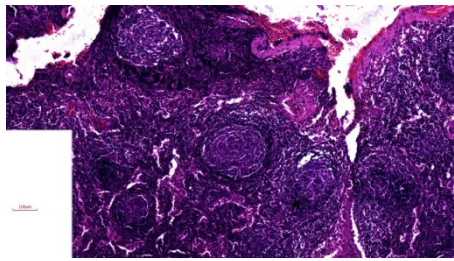


Conclusion



- This case series report shows the importance of obtaining definitive histological diagnosis and immunohistochemical staining in presenting with lymphadenopathy and systemic symptoms

RECOMMENDATIONS



- Need for clinicians to have a high index of suspecting Castleman's disease as it mimics other disease that present with systemic symptoms
- Need for setting up of cheap manual immunohistochemistry services to reduce in delay of results
- This case report show the need to raise awareness on CD

Co-authors: ***Frank Mukonde****, MBChB, FZCMS-MED;* ***Francis Musonda****, MMed;* ***Namakando Liusha****, MMed;*

CONTACT

- Email: mukondedrfrank@gmail.com
- Mobile: +260 977 782 839 (WhatsApp)