INTRODUCTION
Castleman’s disease (CD) is an uncommon disorder characterised by angiofollicular lymph node hyperplasia related to the human herpes virus 8(HHV-8) infection and the human immunodeficiency virus(HIV).[1] CD may be localised/unicentric or disseminated/multi-centric. Histologically three subtypes have been described: hyaline vascular type, plasma cell type and a mixed variant. Patients with localised hyaline vascular type are usually asymptomatic. The definitive diagnosis depends on postoperative pathological findings.

CASE REPORT
A 34 year old female presented with slowly enlarging neck nodes since 4 months. No associated fever or cough. Her past medical and family history was non-specific. On examination non tender firm discrete mass was palpated below the right ear lobule. There was no generalised lymphadenopathy or organomegaly. Routine blood investigations were normal. Ultrasound examination of the neck revealed an hypochoeic traparotid lesion measuring 2.5x2 cm on the right side.
FNAC was performed and was suggestive of a lympho proliferative disease. Excision was done and the tissue sent for histopathological examination which revealed hyaline vascular variant of unicentric castleman’s disease.
Fig 1 and 2 are showing lymphocyte depleted hyalinised lymphoid follicles surrounded by lymphoid proliferation in onion skin pattern in the mantle zone.

DISCUSSION
Castleman’s disease was first described in 1956 by Benjman Castleman, who identified a group of patients with solitary hyperplastic mediastinal lymph nodes with small germinal center resembling Hassall’s corpuscles of
Clinically, CD has two forms: localised, described by Castleman, is more common. Multicentric with involvement of several sites, first described by Gaba et al. in 1972 is less common.

Histologically the three main types are 1. Hyaline vascular type characterised by lymphoid follicular proliferation forming onion-skin pattern surrounding a hyalinised vessel at the centre of the follicle. 2. Plasma cell type characterised by sheets of mature plasma cells within interfollicular tissues. 3. Mixed variant MCD is a systemic disease characterised by fever, night sweats associated with generalised lymphadenopathy and hepatosplenomegaly. Although the occurrence rate is unknown, it is frequently associated with HIV and HHV-8.

UCD is the most common type and consists of localised lymphoid hyperplasia of young adults that is not associated with an HHV-8 infection and usually curable with surgical excision. The majority of patients are asymptomatic. Preoperative diagnosis of hyaline-vascular Castleman’s disease is very difficult.

FNAC is usually non-diagnostic and may be misdiagnosed as lymphoproliferative disease or reactive lymphoid hyperplasia. The definitive diagnosis is based on postoperative pathological findings. Once CD is diagnosed, MCD must be ruled out. Moreover, UCD may be associated with an increased risk of developing lymphoma, Hodgkin’s and Non Hodgkin’s lymphoma.

The standard therapy for UCD hyaline vascular form of CD is surgical excision. Surgery is curative when resection is complete, yielding a 5-year survival rate close to 100% with recurrences being infrequent. Appropriate follow-up should be tailored to the specific CD variant and symptoms. Patients with unicentric disease without systemic involvement should have an additional radiological assessment 6 to 12 months after initial therapy to verify recurrence.

CONCLUSION

The aim of the case report is to emphasise the importance of histopathological examination to seal the diagnosis from other lymphoproliferative conditions.

CONFLICT OF INTEREST:

The authors declared no conflict of interest.

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REFERENCES