

Successful treatment of pseudotumor in a patient with mild haemophilia

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INTRODUCTION

Pseudotumors are rare conditions that occur in patients with haemophilia as the result of inadequately treated bleeds into soft tissues, frequently muscles adjacent to the bone. They can be asymptomatic, although symptoms often occur as pseudotumor grows and makes compression to surrounding tissues, causing neurovascular damage and pathologic bone fractures.

Diagnosis is usually easily made by physical examination and confirmed by imaging method.

The treatment can be challenging. Depending on localization, growth rate and size of pseudotumor, as well as its association with surrounding tissues, treatment may be conservative or require surgical excision.

Here we present case of successfully treated pseudotumor of the left femur in a patient with mild haemophilia.

CASE PRESENTATION

Patient history

- a 62-years old patient with mild haemophilia
- first bleeding at the age of 7
- major bleedings only following trauma or tooth extractions
- haemophilia treatment: on demand, plasma-derived factor VIII

Comorbidities:

- arterial hypertension
- ischaemic cardiac disease; 2005 heart failure, 2005 & 2011 PCI with dilatation of LAD and ACx
- diabetes mellitus on insulin therapy
- chronic hepatitis C infection

History of pseudotumor

- fall from the height in 2004 resulting in fracture of left femur and muscle haematoma
- the fracture was treated with immobilisation and plasma-derived FVIII
- pseudotumor appeared on the site of muscle bleed on the left thigh just above the knee
- gradually, it caused severe pain and walking difficulties

MULTIDISCIPLINARY TEAM :

Preoperative work-up

- level of FVIII, presence of inhibitors to FVIII, FVIII recovery
- liver functional tests, PT, fibrinogen, platelet count
- glycaemia, HbA1c
- CT, NMR, angiography
- ECG, cardiac ECHO, blood pressure

HAEMATOLOGIST

CARDIOLOGIST

ORTOPEDIC SURGEON

SPECIALIST OF PLASTIC SURGERY

HEPATOLOGIST

ANESTESIOLOGIST

PHYSIOTHERAPIST

PSYCHIATRIST

NURSE

01/12/2011

- **pseudotumor enucleation**
- **total knee prosthesis implantation**

Complications of the procedure:

- local haematoma
- infection of wound and surrounding tissue
- skin and tissue necrosis
- heart failure
- prolonged hospitalization
- depression

22/12/2011

- second surgical operation
- necrectomy, total endoprosthesis removal, positioning of spacer

02/02/2012

- third surgical operation
- removal of spacer, new total endoprosthesis implantation

THE RESULT:

- full recovery
- the patient is free of pain
- The patient is able to walk without help

Vigorous physical therapy for several months.

CONCLUSION

This case demonstrates that pseudotumors can complicate otherwise benign course of moderate haemophilia. It emphasizes the importance of multidisciplinary approach in managing of patients with haemophilia.

