Abstract

Background

Ewing sarcoma (ES) is a tumor in bone and soft tissues, belongs to a spectrum of malignancies called Ewing sarcoma family of tumors (EFT). It is common among adolescent age group and typically present with bone pain and swelling. We discuss a rare case of extra osseous Ewing sarcoma originate from pelvic soft tissues presented with left sided foot drop and pulmonary metastasis. Later it was complicated with tumour lysis syndrome and the disseminated intravascular coagulation.

Case presentation

A 14 year old girl presented with left sided sciatica and foot drop which gradually worsened over 2 weeks duration. Examination and neuro-electrophysiology were suggestive of left sided L5 radiculopathy and MRI scan of lumbar spine incidentally detected the bilateral basal pulmonary nodules. Repeat MRI pelvis study confirmed the presence of pelvic soft tissue sarcoma and it was histologically confirmed as the Ewing sarcoma.

Conclusions

When a young adult presents with multisystem involvement differential diagnosis will be based on common infections and autoimmune connective tissue disorders.

Apart from these differentials age appropriated malignancies should be considered when evaluating such patients. Ewing sarcoma is a great mimicker since it's having various systemic manifestations.