Tuberculosis affects much of the world’s population, and 1 - 5% of all cases are musculoskeletal. Tuberculosis of the soft tissues secondary to underlying bone involvement is not uncommon, but selective tissue involvement without bony abnormality is rare. We hereby present a case in which two tubercular abscesses presented at an unusual site with no underlying bony involvement, simulating a pyogenic abscess.

**Case report**

A 2-year-old boy presented with complaints of fever, cough and progressively increasing swellings on both lower limbs for the past 1.5 months. He also had decreased appetite and poor weight gain. There was no history of contact with a case of tuberculosis. On examination two discrete swellings were noted, one measuring 3×4 cm and situated on the dorsal aspect of the right foot just below the lateral malleolus (Fig. 1) and the other, measuring 5×6 cm, on the left leg just above left lateral malleolus, with no evidence of inflammation (Fig. 2). The swellings were non-tender, mobile, superficial and without any discharging sinus.

A full blood count showed lymphocytosis, the Mantoux test was strongly positive with cross-sectional (horizontal) induration of 16 mm, the chest radiograph showed some hilar prominence, and fine-needle aspiration cytology (FNAC) showed acid-fast bacilli on Ziehl-Neelsen staining (Fig. 3). Radiographs showed no evidence of underlying osteomyelitis.

A diagnosis of tubercular abscess was made and the child was placed in category III of the Revised National Tuberculosis Programme and started on antituberculosis treatment in the form of 2HRZ, 4HR (2 months of isoniazid (H), rifampicin (R) and pyrazinamide (Z), followed by 4 months of H and R). He responded to the treatment. The size of the swellings reduced markedly, and he had gained weight when seen on his first follow-up visit. Subsequently he was lost to follow-up.

**Discussion**

Extrapulmonary tuberculosis accounts for up to one-third of all cases. Children have a higher predisposition to the development of extrapulmonary tuberculosis. Tuberculosis can involve the soft tissues by extension from bone, synovial lining of joints or tendon sheaths; by direct inoculation; and, rarely, by haematogenous dissemination. However, selective primary soft-tissue involvement without osseous involvement is rare. It probably occurs via haematogenous spread from an occult primary focus elsewhere. Magnetic resonance imaging (MRI), especially with...
gadolinium enhancement, is very helpful in the diagnosis of soft-tissue abscesses, but tissue diagnosis is confirmatory. Tuberculous polymyositis has characteristic features of a well-demarcated abscess with rim enhancement on MRI.[6] However, needle aspiration and examination is usually sufficient. Our patient’s family could not afford MRI, but FNAC was suggestive of tuberculosis without clearly identifying the tissue localisation. Tuberculosis should be considered in the differential diagnosis of any unexplained soft-tissue swelling in people born in tuberculosis-endemic areas.

Consent. Written informed consent was obtained from the patient’s guardian for publication of this case report and the accompanying images. A copy of the written consent is available from the authors.

Author contributions. SA and AA collected the data, and analysed and interpreted the literature and put together the case report, DIK was involved in collecting pictures and reviewing articles, SA, AA, TN and MS drafted and proof-read the manuscript, and SA, DIK and TN gave final approval of the version to be published. All authors read and approved the final manuscript.

References