When fracture reduction is radiographically confirmed, the K-wires can be sequentially replaced with low-profile headed 1.5-mm screws through stab incisions, which need only to be big enough to pass the screw heads (Fig 3). There is no need to drill, as the track of the K-wires is adequate.

DISCUSSION

This method is simple to use, provides more compression across the fracture than K-wires alone, with minimal soft tissue damage or periosteal stripping, potentially resulting in a lower risk of infection. The technique provides stable fixation and enables early active mobilisation, reducing stiffness and potentially resulting in improved functional outcome.

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Tension band wire stabilisation: an aid to femoral intramedullary nail fixation

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BACKGROUND

Tension band wire fixation techniques for fractures are well described in the literature and widely employed in clinical practice. We describe a technique that uses tension band principles to aid in maintaining the reduction of transverse femoral fractures, thereby simplifying the definitive intramedullary fixation.

TECHNIQUE

Using a direct lateral approach as for an open reduction of the fracture, two 4.5 mm unicortical screws are inserted, one either side of the fracture site. A Dall-Miles cable or equivalent can then be applied and tensioned to reduce and hold the fracture reduced while intramedullary nail fixation is undertaken (Fig 1). This construct can then be left in or removed at the surgeon's discretion.

DISCUSSION

This is a very simple and powerful technique for providing temporary femoral fracture stabilisation enabling a much simpler intramedullary nail fixation in potentially difficult cases. We have found this technique particularly useful in non-union cases that required a shortening osteotomy.

Figure 1

Biopsy of ureteric lesions using a semi-rigid ureteroscope through a ureteric access sheath

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BACKGROUND

Obtaining a tissue diagnosis from a ureteric lesion can be technically difficult. Inadequate tissue sampling with biopsy forceps is common and can delay diagnosis and treatment. The use of backloading biopsy forceps allows larger tissue samples to be obtained when compared with traditional biopsy forceps, which are limited by the diameter of the ureteroscopic working channel. However, backloaded biopsy forceps may reduce vision and hinder safe access of the ureter. The use of an access sheath can allow multiple passes to the ureteric lesion and can improve vision.

TECHNIQUE

Retrograde study and diagnostic ureteroscopy to assess a ureteric lesion is undertaken. A 12/14 Fr ureteric access sheath over a hydrophilic guidewire is then placed to the level of the lesion under fluoroscopic guidance. A Cook Medical's BIGopsy® backloading biopsy forceps is then used through a semi-rigid ureteroscope. The semi-rigid