

# Bonopty®

## Penetration of 8 mm cortical bone

### Case history

Seventy-five year old man with a suspected metastasis in the femoral shaft.

### Biopsy details

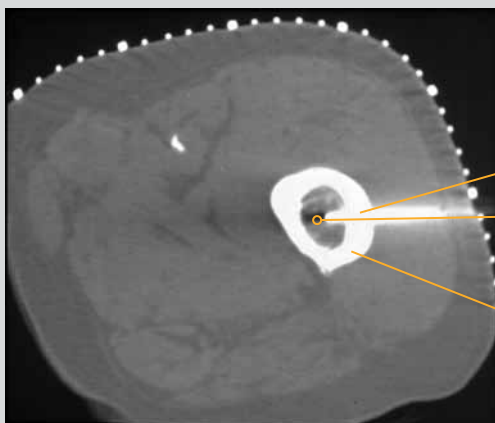
Penetration of the 8mm thick, cortical bone was achieved by manually drilling with the Bonopty® Drill. The drill was then exchanged for the Bonopty® Biopsy Cannula which was used to obtain two samples in the bone marrow, through the anchored Bonopty® Penetration Cannula.

### Analysis of the samples

Histologic examination of these samples revealed metastatic bone marrow involvement.

### Comments

The intact, thick cortical bone was easily penetrated with the eccentric drill using only finger-tip force.



### CT scan of the femur

The anchored Bonopty® Penetration Cannula

Samples obtained with the Bonopty® Biopsy Cannula

8 mm thick cortical bone

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