## Application of Sub-micron X-ray Microscopy in The Artificial Bone Grafting

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Sub-micron X-ray Microscopy (XRM) is a non-destructive characterization technique that can provide quantitative information on chemical/phase composition and offers the possibility for a multiscale and multimodal 2D/3D investigation of the sample. A description of the complete workflow to process the data and perform statistical analysis, such as pores distribution, of three different samples, a tibia and phalange bone graft and an archeological finding of a human rib will be described. The Image Processing step is carried out using the software Dragonfly Pro.