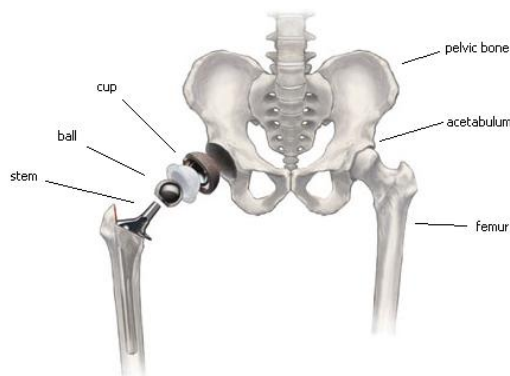


Project /PhD thesis

Biochemistry/biomedical engineering

Topic: Influence of conditioning film structure upon its tribological properties



Project description: Approach of two surfaces towards each other leads to either adhesion or articulation (sliding while in contact). Both these phenomena are important for the long term performance of implants. The aim of this PhD project is to determine the structure and composition of different proteinaceous condition films and the influence of antimicrobial treatments using a quartz crystal microbalance and to correlate it with the coefficient of friction as measured by lateral force atomic force microscopy and/or a tribometer.

Type of work: experimental

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