



## TMJ prostheses: indications and surgical technique

**Authors : Romain NICOT**



### **Institutions :**

CHU de Lille, Université de Lille, Inserm U1008, LaMcube UMR9013

### **Abstract :**

Total temporomandibular joint (TMJ) replacement is a surgical procedure used in the management of advanced TMJ pathologies to restore essential joint functions, including opening and closing of the mouth and mastication, and to improve the quality of life of patients.

However, the indication for a prosthetic replacement must be based on a benefit/risk balance with regard to the intrinsic constraints of the patient, the medical device and the surgical procedure. It must also consider the possible alternatives for a given pathology.

In the first part of this workshop, we will discuss the main temporomandibular prosthetic indications: temporomandibular ankylosis, multi-operated TMJs with persistent uncontrolled pain and reduced joint amplitudes significantly impacting

quality of life, advanced rheumatic pathologies with joint destruction, malformative joint reconstruction, etc.

We will then discuss the main steps of the surgical procedure, detailing the key points that can lead to an optimization of the results. The specificities related to the fitting of a standard prosthesis or a custom-made prosthesis will be considered.