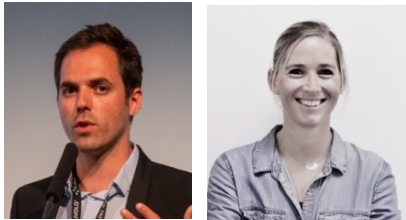


## Sagittal Split Osteotomies on 3D models

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### Abstract :

Bilateral sagittal split osteotomy (BSSO) is the most common surgical procedure used to correct mandibular deformities. Although it is a standard, safe procedure, it can lead to perioperative complications, including injury to the inferior alveolar nerve (IAN), condylar resorption, and bad splitting. A lack of surgical experience and skills are known to be associated with a higher risk of such complications, particularly regarding recovery of the sensitivity of the IAN. The “learning by doing” remains the best way for residents and surgeons to acquire the skills required to manage and treat patients properly. Using 3-dimensional printed mandibular models and all the equipment required for the osteotomy (piezoelectric device, high-speed surgical drilling system), participants will have the experience of performing BSSO from osteotomy to osteosynthesis. This program has been previously evaluated (*Bertin et al., bilateral sagittal split osteotomy training on mandibular 3-dimensional printed models for maxillofacial surgical residents. Br J Oral Maxillofac Surg. 2020*) showing improved technical knowledge and skills to perform the procedure.