

Delairian architectural balance and integral splintless guided orthognathic surgery: Why? When? How? Who? Results and comments based on 10 years of clinical experience.

Part 1 and Part 2

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Jean Delaire's architectural and structural cephalometric analysis enables to define each patient's ideal skeletal balance, that is to say the ideal position of bone fragments according to each patient's cranial and spinal anatomic predispositions. In case of a dysmorphism, Jean Delaire's analysis shows the abnormal positioning of the bone fragments compared to the ideal positioning which should have been theirs in a correct balance and without any dysfunction.

Splintless total guided orthognathic surgery ensures the exact tridimensional positioning of the bone fragments regardless the occlusion and enables the surgeon to position each patient's bone fragment according to their own ideal balance.

The direction and the scale of the bone fragment movements is the result of a compromise between the subjective aesthetic criteria and the objective cephalometric criteria. The aim of this communication based on a 10-year experience slowly acquired consists in presenting the reasons, the time and the method of this protocol without forgetting the function and responsibility of each planification actor.

Benoît PHILIPPE Custom-made prefabricated titanium miniplates in Lefort 1 osteotomies: Principles, procedure and clinical insights. *Int. J. Oral Maxillofac. Surg.* 2013; 42:1001-1006

Benoît PHILIPPE Chirurgie maxillo-faciale guidée. De la simulation au contrôle de l'exécution chirurgicale à l'aide des guides stéréolithographiques et des mini-plaques titane préfabriquées. Principes généraux, protocole, conception et fabrication, premiers enseignements cliniques. *Revue de Stomatologie, Chirurgie Maxillo-faciale et Chirurgie Orale* 2013 ; 114 :228-246 Septembre 2013

Benoît PHILIPPE Accuracy of cutting and drilling guide position for sagittal split

guided surgery. A proof of concept study. British Journal of Oral and Maxillofacial Surgery October 2020 58 (940-946)