Maxillofacial applied anatomy

Fabrice Duparc¹ · Bruno Grignon²

Published online: 5 December 2019

© Springer-Verlag France SAS, part of Springer Nature 2019

First of all, we want to warmly wish all of you a very Happy New Year 2020!

And once more, we aim to sincerely thank all the associate editors and all the reviewers, as well as all the anatomists, clinicians, surgeons, and radiologists, who contributed to publish so many interesting studies in the 12 issues of 2019.

This first issue is mainly devoted to the anatomy of the face, from specific embryological aspects to various clinical and surgical applications, by means of dissected human donated bodies to science, multidetector computed tomography, and cone beam computed tomography.

The development of the tongue is revisited from a morphometric angle and a rare anatomical variation of this organ is presented. Four articles concern the teeth, the mandibular buccal periosteum, and the endosteal blood supply of the mandibula.

The anatomy of the nerves is revisited through application to surgical techniques such as mandibular osteotomy, buccal

pedicle nerve graft, and transoral thyroidectomy. The functional effect of the mastication about the development of the floor of the orbit is discussed. A precise CBCT evaluation of the course of the maxillary nerve through the so-called canalis sinuosus contributes to increase the safety conditions of surgical procedures on the maxilla. The impact of anatomical variations of the pneumatized superior turbinate on the endoscopic sinus surgery is investigated. Finally, although not specific of the maxillo-facial sphere, but of paramount importance when it comes to the temporo-mandibular joint, the anatomical term of “condyle” is criticized.

Happy New Year “Twenty-Twenty”!

Fabrice Duparc and Bruno Grignon

Publisher's Note Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

✉ Bruno Grignon
fabrice.duparc@univ-rouen.fr

¹ Laboratory of Anatomy, Faculty of Medicine, Rouen-Normandy University, 22 boulevard Gambetta, 76183 Mont-Saint-Aignan, France

² Department of Anatomy, University of Lorraine, Avenue de la Forêt de Haye, 54505 Vandoeuvre-Les-Nancy, France