

Contents

Chapter 1 Introduction and aims of the study.	11
Chapter 2 Adaptation of jaw-closing muscles after surgical mandibular advancement procedures in different vertical craniofacial types: a Magnetic Resonance Imaging study. Oral Surg. Oral Med. Oral Pathol. Oral Radiol. Endod. 2007; 103: 475-82.	35
Chapter 3 Adaptation of lateral pterygoid and anterior digastric muscles after surgical mandibular advancement procedures in different vertical craniofacial types: a Magnetic Resonance Imaging study. Oral Surg. Oral Med. Oral Pathol. Oral Radiol. Endod. 2008; 105: 688-97.	53
Chapter 4 Positional changes of the masseter and medial pterygoid muscles after surgical mandibular advancement procedures: an MRI study. Int J Oral Maxillofac Surg (2012), doi:10.101/j.ijiom.2012.01.007	73
Chapter 5 Static and dynamic loading of mandibular condyles and their positional changes after bilateral sagittal split advancement osteotomies. Int J Oral Maxillofac Surg (2012), doi:10.1016/j.ijom.2012.03.13	91
Chapter 6 Surgical-Orthodontic treatment of mandibular hypoplasia; the impact of skeletal and muscular changes. Ned Tijdschr Tandheelkd (2012), submitted.	111
Chapter 7 Summary, conclusions, address to the aims, future perspectives.	127
Samenvatting , conclusies, bespreking van de doelstellingen, toekomstig onderzoek.	134
Samevatting , konklusies, bespreking van die doelstellinge, toekomstige navorsing.	139
Dankwoord.	145
Curriculum vitae.	149