

# Occlusion, function and dysfunction.

## Postgraduate Course DEN1016S

**Target group:** Postgraduate candidates in clinical dental specialties.

**Content:** Course 1016S complements course 1017S titled “*Management of TMD and oral pain*”. Course coordinator for course 1017S is Dr Thuan Dao. Elements of the course built on course 1060F titled “*Oral physiology: sensory and neuromuscular function*”. Course coordinator for course 1060F is Dr Barry Sessle.

**Format:** It is expected that the key literature is to be read and critically appraised in the seminar sessions. This is supplemented with formal and informal topical lectures provided by the mentors. The course participants present the lectures in the last two seminar sessions

**Learning objectives:** (C)ognitive, (A)ffective and (P)sychomotor learning objective are specified for each lecture topic.

**Course pass:** Attendance, participation & demonstration of critical appraisal skills in written essay.

**Course coordinator:** Dr Asbjørn Jokstad, Head of prosthodontics

**Time and location:** Tuesdays – 11.00 – 13.00, Room 360

<b>Date</b>	<b>Seminar topic</b>	<b>Learning objectives ((C)ognitive, (A)ffective and (P)sychomotor learning objectives</b>	<b>Mentor</b>
09.1. 2007	<b>Introduction</b>	<i>C: Recognize the layout and learning objectives of the occlusion course</i>	Asbjørn Jokstad Prosthodontics
16.1. 2007	<b>Occlusion and treatment philosophies</b>	<i>C: Outline different doctrines on occlusion advocated throughout history and the strength of scientific evidence for their support</i>	Asbjørn Jokstad Prosthodontics
23.1. 2007	<b>Jaw &amp; TMJ movement</b>	<i>C: Recognize the methods used to measure jaw and tmj movements and the research aimed to establish an association with occlusion</i>	Asbjørn Jokstad Prosthodontics
30.1. 2007	<b>Phonetics</b>	<i>C: Summarize the basic mechanisms of phonation, resonance and speech articulation and the methods used to measure the variables</i> <i>C: Explain impact of the tongue and occlusion on speech</i> <i>P: Identify and combine possible occlusion and other intraoral structures that may influence speech</i>	Tim Bressman, Sick Kids Hospital
6.2. 2007	<b>Proprioception</b>	<i>C: Understand the mechanisms of proprioception and its relevance to occlusion</i>	Leslie L Gibbard Prosthodontics

		<i>and motor function</i>	
13.2. 2007	<b>Student Research day– no class</b>		
20.2. 2007	<b>Reading week – no class</b>		
27.2. 2007	<b>Occlusion and TMD</b>	<i>C: Recognize the scientific evidence between occlusion and TMD.</i>	Asbjørn Jokstad Prosthodontics
6.3. 2007	<b>Occlusal wear</b>	<i>C: Understand the causes and consequences of tooth wear in context with occlusion P: Implement best evidence-based practices to prevent and manage patients with tooth wear.</i>	Asbjørn Jokstad Prosthodontics
13.3. 2007	<b>Satisfactory occlusal relations for the individual with anomalies</b>	<i>C: Have knowledge of problems regarding biting forces, mastication and dysphagia in context with occlusal state A: Realize that special clinical considerations need to be considered when treating these patients with multidisciplinary approach P: Be able to identify problems amongst these patients and manage needs within own specialty context</i>	Jim Anderson Prosthodontics
20.3 2007	<b>Occlusion and periodontitis</b>	<i>C: Compare the often contrasting opinions and hypotheses about occlusion and periodontitis in the scientific literature A: Realize that an extensive proportion of the dental literature on occlusion and periodontitis is ambiguous and anecdotal</i>	Tarek El Sayegh  Periodontics
27.3 2007	<b>Occlusion in the prosthodontic literature and the state of the science</b>	<i>C: Compare the often contrasting opinions and hypotheses about occlusion and oral function in the scientific literature A: Realize that an extensive proportion of the dental literature on occlusion and oral function is ambiguous and anecdotal P: Be able to identify, critically appraise and extract clinically significant data on occlusion and oral function from the scientific literature</i>	Prosthodont residents  Asbjørn Jokstad Prosthodontics
3.4 2006	<b>Occlusion in the orthodontics literature and the state of the science</b>	<i>C: Compare the often contrasting opinions and hypotheses about occlusion and oral function in the scientific orthodontic literature A: Realize that an extensive proportion of the dental literature on occlusion and oral function is ambiguous and anecdotal P: Be able to identify, critically appraise and extract clinically significant data on occlusion and oral function from the scientific literature</i>	Orthodont residents Asbjørn Jokstad Prosthodontics
10.4 2006	<b>Course test</b>	<b>Essay</b>	Asbjørn Jokstad Prosthodontics