

大学院特別講義のご案内

●日時：2019年1月9日（水） 17:00 - 18:30

●場所：記念会館2F

●講師：Prof. Lim, Young Jun, DDS, MSD, PhD.

(Department of Prosthodontics School of Dentistry, Seoul National University)

●演題：Design and Analysis of Dental Clinical Trials

●要旨： Clinical trials are research studies performed in people that are aimed at evaluating a medical, surgical, or behavioral intervention. They are the primary way that researchers find out if a new treatment, like a new *drug* or diet or medical device is safe and effective in people.

The need for clinical research can be broadly divided into two aspects: publicness and marketability. Publicness helps to provide evidence-based medicine and health care guidelines that are needed to strengthen the basic rights of the people to pursue health. In terms of marketability, it solves the situation that the approval of the use of new medical technology or medicines depends on the results of clinical tests conducted in foreign countries due to the absence of clinical studies on specific diseases in Korea. In addition, clinical trials are worthy of securing the competitiveness of domestic medical companies through export.

In the medical part, a clinical research center has been established at the general hospital level and various clinical trial studies have already been carried out in Korea. However, dental clinical trials are not only small in number, but are also concentrated in implant related clinical trials, so it is necessary to develop and expand them.

The field of dental care is closely related to the dental materials. The development of new dental materials is accompanied by technique, tools, and medical devices for dental, so various clinical trials can be devised, and there is a great need and potential for development.

This presentation will focus on the clinical trials that I have undertaken or is in charge of and will discuss the clinical trial design considerations, content, and results of studies.



問い合わせ先：（クラウンブリッジ補綴学分野・内線2946）

大学院特別講義のご案内

- 日時：2019年1月16日（水）17:00 - 18:30
- 場所：記念会館2F
- 講師：**Prof. Lim, Young Jun, DDS, MSD, PhD.**

(Department of Prosthodontics School of Dentistry, Seoul National University)



- 演題：**Implant Biomechanics associated with Occlusion**

- 要旨： The success and failure of implant treatment is determined by implant biomechanics for occlusal loads. For this reason, the relationship between occlusal load and the bone around the implant plays a decisive role in the prognosis of implant treatment.

Dental implants are thought to be more prone to occlusal overloading than natural teeth because of the loss of the periodontal ligament, which provides shock absorption and periodontal mechanoreceptors, which provide tactile sensitivity and proprioceptive motion feedback. Occlusal overloading was thought to be the primary etiologic factor in biomechanical implant treatment complications, which commonly included marginal bone loss, fracture of resin/ceramic veneers and porcelain, denture base fracture of implant-supported overdentures, loosening or fracture of abutment screws, settling effect of Implant-Abutment connection and even implant failure.

In this presentation, I will discuss the basic principles that apply to the occlusion of implant prostheses in general, review the articles related to implant occlusion with clinical cases.

In addition, I will introduce you to various implant-related treatment cases.

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