

POLITEKNIK KESEHATAN TANJUNGPINANG
JURUSAN TEKNIK GIGI

Laporan Tugas Akhir, 23 Juni 2023

Meita Reskina Ginting

Prosedur Pembuatan Gigi Tiruan Akrilik *Paradental* Rahang Bawah Dengan Penyempitan *Edentulous*

xvii + 47 halaman + 41 gambar + 2 tabel + lampiran

RINGKASAN

Gigi tiruan sebagian lepasan adalah protesa yang menggantikan satu atau beberapa gigi yang hilang dan dapat dibuka pasang oleh pasien. Penulis mendapatkan kasus pembuatan gigi tiruan sebagian lepasan akrilik pada kehilangan gigi 36, 46 dengan ruang *edentulous* nya sempit.

Tujuan penulisan laporan tugas akhir ini adalah untuk mengetahui desain, teknik pemilihan dan penyusunan elemen gigi, kendala dan cara mengatasinya agar dapat mengembalikan fungsi pengunyahan serta memiliki retensi dan stabilisasi yang baik.

Prosedur pembuatan dilakukan tahap persiapan model kerja, *surveying*, *block out*, transfer desain, pembuatan cengkeram, basis *wax*, penanaman okludator, penyusunan elemen gigi. Selanjutnya dilakukan *flasking*, *boiling out*, *packing*, *curing*, *deflasking*, *finishing*, *polishing*.

Hasil, retensi dan stabilisasi baik, warna 4.D sesuai SPK, permukaan gigi tiruan halus dan mengkilap. Saat insersi ke pasien, oklusi baik, cekat dan mudah dilepas pasang. Simpulan, desain menggunakan plat *saddle* dengan sayap sampai batas mukosa bergerak dan tidak bergerak. Cengkeram *half jackson* ditempatkan pada gigi 35, 37, 45, 47. Kendala, saat *grinding* elemen gigi 36 kekecilan sehingga tidak berkontak dengan mesial gigi 37. Pada *deflasking* model kerja patah. Saat insersi ke pasien, gigi 46 tidak dapat masuk karena terdapat *undercut* pada distal gigi 45. Saran, rentang waktu pencetakan sampai protesa jangan terlalu lama, pengolesan CMS harus merata, tekniker mempunyai keterampilan dalam pemilihan desain dan penyusunan gigi.

Kata Kunci : Akrilik, *Paradental*, *Edentulous* sempit

Daftar Bacaan : 21 (1981-2019)

TANJUNGPURUS HEALTH POLYTECHNIC

DEPARTMENT OF DENTAL TECHNICIAN

Final Project Report, 23 June 2023

Meita Reskina Ginting

Procedure for Making Mandibular Paradental Acrylic Dentures With Edentulous Refinements

xvii + 47 pages + 41 pictures + 2 tables + attachments

ABSTRACT

A removable partial denture is a prosthesis that replaces one or several missing teeth and can be disassembled by the patient. The author got a case of making acrylic removable partial dentures on missing teeth 36, 46 with narrow edentulous spaces.

The purpose of writing this final project report is to find out the design, technique of selecting and arranging tooth elements, constraints and how to overcome them in order to restore masticatory function and have good retention and stabilization.

The manufacturing procedure is carried out in the preparation stage of the working model, surveying, block out, design transfer, making clasp, wax base, ocludator implantation, tooth element arrangement. Furthermore, flasking, boiling out, packing, curing, deflasking, finishing, polishing.

Good results, retention and stabilization, color 4.D according to work order, denture surface smooth and shiny. When inserting into the patient, the occlusion is good, fixed and easily removable. In conclusion, the design uses a saddle plate with wings up to the movable and immovable mucosal limits. Half jackson clasp were placed on teeth 35, 37, 45, 47. The problem was that when grinding the teeth 36 elements were too small so they did not come into contact with the mesial teeth 37. In deflasking, the working model was broken. During insertion into the patient, tooth 46 could not be entered because there was an undercut on the distal tooth 45. Suggestions, the time span for imprinting until the prosthesis should not be too long, the CMS should be spread evenly, the technician has skills in selecting the design and arrangement of the teeth.

Keywords : Acrylic, Paradental, Edentulous narrow

Reading List : 21 (1981-2019)