

POLITEKNIK KESEHATAN TANJUNGPUR
JURUSAN TEKNIK GIGI

Laporan Tugas Akhir, 7 Juli 2023

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Pembuatan Gigi Tiruan Sebagian Lepasan Akrilik Rahang Atas dan Rahang Rawah Klasifikasi Kennedy Kelas III Modifikasi I Dengan Kasus *Edentulous* Area Yang Sempit

xvii + 46 Halaman + 36 Gambar + 2 Tabel + Lampiran

RINGKASAN

Kehilangan gigi yang tidak segera digantikan dapat mengakibatkan *edentulous* area menjadi sempit. Salah satu cara untuk mengatasinya adalah dengan pemakaian gigi tiruan. Penulis mendapatkan kasus pembuatan gigi tiruan sebagian lepasan akrilik pada gigi 16, 26, 36, 46 dengan *edentulous* area yang sempit pada gigi 26.

Tujuan penulis Laporan Tugas Akhir ini adalah untuk mengetahui desain, teknik penyusunan gigi, kendala-kendala dan cara mengatasinya dalam pembuatan gigi tiruan sebagian lepasan akrilik rahang atas dan rahang bawah agar mendapatkan retensi dan stabilisasi yang baik.

Prosedur pembuatan dilakukan tahap persiapan model kerja, *survey* model kerja dan *block out*, penentuan desain dan transfer desain, pembuatan cengkeram dan basis, pemasangan okludator. Kemudian pemilihan dan penyusunan elemen gigi, *flasking*, *boiling out*, *packing*, *curing*, *deflasking*, *finishing*, dan *polishing*.

Hasil, gigi tiruan halus dan mengkilap, retensi dan stabilisasi cukup baik, warna gigi sesuai SPK, simpulan, desain plat berbentuk tapal kuda dengan sayap bukal sampai batas mukosa bergerak dan tidak bergerak. Cengkeram *half Jackson* ditempatkan pada gigi 27, 47 dan cengkeram C pada gigi 15, 35. Pemilihan elemen gigi dengan ukuran 30 (kecil). Gigi disusun normal dengan pengurangan bagian mesial, distal, servikal. Kendala, saat insersi terdapat *undercut* akibat penulis kurang menutupi *undercut* saat *block out*. Saran, tekniker gigi harus melakukan *block out* dengan benar, harus memahami dan terampil dalam penyusunan gigi agar mendapatkan oklusi dan stabilisasi yang baik.

Kata kunci : Akrilik, *Edentulous* sempit

Daftar Bacaan : 13 (1991- 2022)

TANJUNGPURONG HEALTH POLYTECHNIC
DEPARTMENT OF DENTAL TECHNICIAN

Final Project Report, 7 July 2023

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Manufacture of Maxillary and Mandibular Acrylic Partial Dentures Kennedy
Classification Class III Modification I With Narrow Area Edentulous Case

xvi + 46 Pages + 36 Picture + 2 Tables + attachments

ABSTRACT

Loss of teeth that are not replaced immediately can result in a narrow edentulous area. One way to overcome this is by using dentures. The author got cases of making acrylic removable partial dentures on teeth 16, 26, 36, 46 with narrow edentulous areas on teeth 26.

The aim of the authors of this final report is to find out the design, tooth arrangement techniques, constraints and how to overcome them in the manufacture of maxillary and mandibular acrylic removable partial dentures in order to obtain good retention and stabilization.

The manufacturing procedure is carried out at the preparation stage of the working model, surveying the working model and blocking out, determining the design and transferring the design, making the grips and base, installing the occludator. Then the selection and arrangement of tooth elements, flasking, boiling out, packing, curing, deflasking, finishing, and polishing.

The results showed that the dentures were smooth and shiny, the retention and stabilization were quite good, the tooth color matched the work order. Conclusion, the horseshoe-shaped plate design with buccal wings up to the movable and immovable mucosal limits. Half Jackson clasp are placed on teeth 27, 47 and C clasps on teeth 15, 35. Selection of gear elements with size 30 (small). Teeth are arranged normally with mesial, distal, cervical reduction. Constraints, during insertion there is an undercut due to the writer not covering the undercut when blocking out. Suggestions, dental technicians must block out properly, must understand and be skilled in tooth arrangement in order to get good occlusion and stabilization.

Keywords : Acrylic, narrow Edentulous

Reading List : 13 (1991- 2022)