

POLITEKNIK KESEHATAN TANJUNG KARANG
JURUSAN TEKNIK GIGI

Laporan Tugas Akhir, 04 Agustus 2023

Novitasari Ramadhoni

Pembuatan Gigi Tiruan Sebagian Lepasan Akrilik rahang atas dan rahang bawah
Dengan Kasus Linggir Tapering Dan Ekstrusi gigi 16 (Studi Model)

xvii + 44 halaman + 39 gambar + 4 lampiran

RINGKASAN

Kehilangan gigi yang tidak segera digantikan dengan gigi tiruan dapat mengakibatkan resorpsi yang berlebih pada tulang alveolar dan ekstrusi. Salah satu cara untuk mengatasinya adalah dengan pemakaian gigi tiruan sebagian lepasan akrilik. Pada kasus yang penulis kerjakan, terdapat kehilangan gigi 13, 14, 15, 22, 23, 24, 25, 26, 27, 35, 36, 37, 44, 45, 46, 47 dengan kasus linggir tapering dan ekstrusi 16.

Tujuan penulisan laporan tugas akhir ini adalah untuk mengetahui desain gigi tiruan, teknik penyusunan dan kendala-kendala dalam pembuatan gigi tiruan sebagian lepasan akrilik pada kasus ini agar mendapatkan retensi, stabilisasi, estetika dan pengunyahan yang baik.

Prosedur pembuatan GTSL dilakukan tahap persiapan model kerja, pembuatan desain, *survey*, *block out*, pembuatan cengkeram, pembuatan *bite rim*, penanaman model pada okludator, penyusunan elemen gigi, *wax counturing*, *flasking*, *boiling out*, *packing*, *curing*, *deflasking*, *finishing* dan *polishing*.

Warna elemen gigi sesuai SPK, gigi tiruan halus dan mengkilap, Hasil retensi gigi tiruan pada rahang atas cukup baik, hasil retensi pada rahang bawah kurang baik karena model kerja yang patah. Simpulan, desain plat pada rahang atas dan rahang bawah tapal kuda. Cengkeram C ditempatkan pada gigi 43, cengkeram *half jackson* ditempatkan pada gigi 34, cengkeram *full jackson* ditempatkan pada gigi 16. Kendala, terjadinya porus saat prosedur *packing*, kurangnya pengulasan *CMS* pada model menyebabkan model kerja patah sehingga retensi gigi tiruan saat fitting menjadi kurang baik serta saat pengulasan *CMS* mengenai elemen gigi sehingga elemen gigi terlepas dan tidak melekat pada basis. Saran, pada saat prosedur *packing* harus memperhatikan waktu *dough stage* pada adonan *powder* dan *liquid*, saat pengulasan *CMS* harus dengan teknik yang benar dan merata .

Kata Kunci : Gigi Tiruan Sebagian Lepasan Akrilik, linggir tapering, ekstrusi
Daftar Bacaan : 18 (1991-2020)

TANJUNG KARANG HEALTH POLYTECHNIC

DEPARTMENT DENTAL TECHNICIAN

Final Project Report, 04 August 2023

Novitasari Ramadhoni

Fabrication of Maxillary and Mandibular Acrylic Partial Dentures With Tapering Cases and Extrusions of Tooth 16 (Model Study)

xvii + 44 pages + 39 pictures + 4 attachments

ABSTRAK

Lost teeth that are not immediately replaced with dentures can result in excessive resorption of the alveolar bone and extrusion. One way to overcome this is to use acrylic removable partial dentures. In the cases that the author is working on, there are missing teeth 13, 14, 15, 22, 23, 24, 25, 26, 27, 35, 36, 37, 44, 45, 46, 47 with tapering and extrusion rim cases 16.

The purpose of writing this final project report is to determine denture design, assembly techniques and constraints in making acrylic removable partial dentures in this case in order to obtain good retention, stabilization, esthetics and mastication.

The procedure for making GTSL is carried out in the preparation stage of the working model, making the design, surveying, blocking out, making the grips, making the bite rim, embedding the model on the ocludator, preparing the tooth elements, wax contouring, flasking, boiling out, packing, curing, deflasking, finishing and polishing. .

The color of the tooth elements matched the SPK, the dentures were smooth and shiny, the retention results on the maxillary dentures were quite good, the retention results on the mandibles were poor due to the broken working model. In conclusion, plate design on the upper and lower jaws of the horseshoe. Clasp C was placed on tooth 43, half jackson gripper was placed on tooth 34, full jackson gripper was placed on tooth 16. Obstacles, porus occurred during the packing procedure, lack of CMS review on the model caused the working model to break so that denture retention during fitting became poor and when reviewing CMS about the tooth element so that the tooth element is detached and not attached to the base. Suggestions, during the packing procedure, you must pay attention to the dough stage time for powder and liquid mixtures, when reviewing CMS, you must use the correct and even technique.

Keywords : Acrylic Removable Partial Dentures, edge tapering, extrusion

Reading Life : 18 (1991-2020)