POLITEKNIK KESEHATAN TANJUNGKARANG

JURUSAN TEKNIK GIGI

Karya Tulis Ilmiah, 11 Juni 2024

Indah Novita

Pembuatan Gigi Tiruan Sebagian Lepasan Akrilik Bilateral Free End Rahang Atas Dan Paradental Rahang Bawah Pada Kasus Crossbite Posterior.

Xvii + 63 Halaman + 59 Gambar + 2 Tabel + 4 Lampiran

RINGKASAN

Gigi Tiruan Sebagian Lepasan (GTSL) adalah protesa yang menggantikan satu atau beberapa gigi yang hilang dan dapat dibuka pasang oleh pasien. Penulis mendapatkan kasus tentang pembuatan gigi tiruan sebagian lepasan akrilik pada kehilangan gigi 14, 15, 16, 17, 18, 21, 24, 25, 26, 27, dan 41, 45, 46, 48 dengan kasus *crossbite* posterior.

Tujuan penulisan Karya Tulis Ilmiah ini adalah untuk mengatahui desain, cara pemilihan dan penyusunan elemen gigi, kendala-kendala dan cara mengatasinya agar memperoleh retensi, stabilisasi dan oklusi yang baik.

Prosedur pembuatan dilakukan tahap persiapan model kerja, s*urvey* dan *block out*, *transfer* desain, pembuatan cengkeram, *biterim*, penanaman artikulator. Selanjutnya pemilihan dan penyusunan elemen gigi, *wax contouring, flasking, boiling out, packing, curing, deflasking, finishing,* dan *polishing.*

Hasil dari pembuatan gigi tiruan ini didapatkan desain, warna dan ukuran elemen gigi sesuai SPK, retensi dan stabilisasi saat *fitting* di model kerja baik, basis halus, mengkilap terdapat sedikit porus. Simpulan, desain rahang atas menggunakan *full plate* dengan cengkeram C ditempatkan pada gigi 13 dan 23. Pada rahang bawah plat *horse shoe* dengan cengkeram *half Jackson* pada gigi 44, tiga jari pada 47, dan *full Jackson* pada 36. Gigi anterior disusun normal, gigi posterior rahang atas lebih ke bukal dan sedikit keluar dari linggir *alveolus*, gigi posterior rahang bawah tepat di atas linggir *alveolus*. Kendala, patahnya gigi tiruan karena kurangnya pengulasan *cold mould seal* (CMS) dan terdapat porus akibat pemberian *liquid* yang berlebih. Saran, pengulasan CMS secara merata agar gigi tiruan mudah dikeluarkan dari model kerja. Saat *packing* akrilik pastikan tidak memberikan *liquid* terlalu banyak agar tidak porus.

Kata kunci : GTSL, *Crossbite* posterior

Daftar bacaan : 27 (1991-2020)

TANJUNGKARANG HEALTH POLYTECHNIC
DEPARTMENT OF DENTAL TECHNICIAN

Final Project Report, 11 June 2024

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Manufacture Of Acrylic Removable Partial Dentures Of Upper Bilateral Free End And Lower Paradental In Posterior Crossbite Case.

Xvii + 63 Pages + 59 Figures + 2 Tables + 4 Attachments

ABSTRACT

Removable Partial Dentures (RPD) were prostheses that replace one or more missed teeth and can be opened by the patient. The author obtained a case about the manufacture of acrylic partial removable dentures in the loss of teeth 14, 15, 16, 17, 18, 21, 24, 25, 26, 27, and 41, 45, 46, 48 with posterior crossbite cases.

The purpose of writing this study was to find out the design, how to select and arrange dental elements, obstacles and how to overcome them in order to obtain good retention, stabilization and occlusion.

The manufacture procedure was carried out in the stages of worked model preparation, sewing and block out, design transfer, making clasp, biterims, articulator mounting. Furthermore, the selection and arrangement of dental elements, wax contouring, flasking, boiling out, packing, curing, deflasking, finishing, and polishing.

The results of the manufacture of dentures were obtained the design, color and size of the tooth elements accorded to the work order, retention and stabilization when fitted in the model worked well, the base was smooth, shiny and slightly porous. In conclusion, the upper jaw design uses a full plate with a C clasps placed on teeth 13 and 23. On the lower jaw of the horse shoe plate with a half Jackson clasps on teeth 44, three fingers on 47, and full Jackson on 36. The anterior teeth were arranged normally, the posterior teeth of the upper jaw were more buccal and slightly out from alveolar ridge, the posterior teeth of the lower jaw were just above the alveolar ridge. The problem was that the denture is broke due to the lack of *cold mould seal* (CMS) review and there were porous due to excessive liquid administration. Advice, review the CMS evenly so that dentures were easily removed from the worked model. While acrylic packing make sure not to give too much liquid so that it does not porous.

Keywords : RPD, Crossbite Posterior

Reading list : 27 (1991-2020)