SEMINAR ILMIAH INTERNASIONAL
IKATAN KONSERVASI GIGI INDONESIA

AEC 2016
ASEAN ENDODONTIC CONGRESS

INNA GRAND BALI BEACH, 18 - 19 NOVEMBER 2016

Getting to The Roots of Endodontic Towards Asean Economic Community

BUKU PROSIDING

SEKRETARIAT PANITIA
DEPARTEMEN ILMU KONSERVASI GIGI
FAKULTAS KEDOKTERAN GIGI
UNIVERSITAS MAHASARASWATI DENPASAR
Jl. Kamboja 11 A Denpasar
Telp (0361) 7462701 / (0361) 7424079
Email: aecbali16@gmail.com
27. Identification Multiple Root Canals using SLOB Rule
   Ni Kadek Ari Astuti ................................................. 189-193
28. Perawatan endodontik gigi molar kedua rahang bawah pada pasien
dengan reflek muntah tinggi
   Novita Shintarini dan Munyati Usman ............................... 194-199
29. Esthetic Rehabilitation of Complicated Crown Fractures in Maxillary
   Incisors
   Profilia Shinta dan Edhie Arief Prasetyo .......................... 200-207
30. Endodontic Management of Mandibular First Premolar with Vertucci
   Type V Canal Configuration A Case Report
   Putri Yulandari .......................................................... 208-214
31. External bleaching on discolored tooth: a case report
   Sarahfin Aslan dan Nurhayati Natsir .............................. 215-218
32. Penatalaksanaan Lesi Periapikal Kronis dengan Pendekatan Terapi
   Endodontik Non Bedah (Laporan Kasus)
   Saskia Budi Nurina dan Irmaleny Satifil ............................ 219-226
33. Management of Open Apex: A Case Report of Permanent Anterior
   Teeth
   Sri Eka Sarı dan Aries Chandra Trilaksana ......................... 227-233
34. Penatalaksanaan pengambilan peeso reamer yang patah pada gigi
   kaninus maksila dengan teknik syringe tip and glue: laporan kasus
   Steven Wijaya dan Trimurni Abidin ............................... 234-241
35. Management of aesthetic problem and endodontic treatment on tooth
   fracture in maxillary incisors
   Sunniyah Harum Adiba dan Adioro Soetojo ........................ 242-248
36. Perawatan saluran akar lesi endo-perio klasifikasi simon tipe I pada gigi
   premolar pertama rahang bawah laporan kasus
   Teguh Santoso dan Nilakesuma Djauharie .......................... 249-249
37. Sitotoksitisitas ekstrak daun mangrove daruju (Acanthus ilicifolius)
   sebagai bahan irigasi saluran akar
   Ratna Putri, Twi Agnita Cevanti dan Henu Sumekar ............. 250-250
38. Fiber-Reinforced Direct Composite Restoration Pada Gigi Anterior
   (Laporan Kasus)
   Arnold Kyoto dan Opik Taofik Hidayat ............................ 251-256
39. Perawatan Endodontik Non Bedah Pada Perforasi Furkasi Menggunakan
   Biodentine: Laporan Kasus
   Atria Mya Kelani dan Nila Kesuma Djauharie ...................... 257-262
FIBER-REINFORCED DIRECT COMPOSITE RESTORATION ON ANTERIOR TEETH

(CASE REPORT)

Arnold Kyoto¹, Opik Taofik Hidayat²

¹Resident of Conservative Dentistry, Faculty of Dentistry, Universitas Padjadjaran, Bandung.
²Department of Conservative Dentistry, Faculty of Dentistry, Universitas Padjadjaran, Bandung.
email: arnold_kyoto@yahoo.com

ABSTRACT

Loss of anterior teeth were an unpleasant situation and not esthetic for most patient. This situation could affect the patient’s psychological and self-confidence. Minimal removal of tooth structure, natural result, esthetic, and cost were some of the important factors that were considered when a missing tooth was replaced. One of the goal of restorative dentistry was to develop new approaches that minimal invasive dentistry described as ultraconservative treatment with reduce tooth structure as minimal as possible.

A 22-years-old healthy female patient reported to department of conservative dentistry Universitas Padjadjaran with chief complaint of having no confidence to smile because the absence of anterior teeth and unesthetic restoration. The patient desired to improve her smile. Intraoral examination showed missing teeth on 12 and 21, patient had an old composite restoration on 11 and showed discoloration. There were caries lesions on 13, 22, and 23 still vital and no symptomps. Treatment planning in this case were fiber-reinforced direct composite restoration with pontic on 12 and 21 (13, 11, and 22 as abutment teeth), direct composite restoration on 11, and direct composite veneer on 13, 22, and 23.

Restoration procedures were done and putty index used as a template to simplify building up pontic on 12 and 21. Polyethylene fiber had a role as connective material which applied on 13 until 22 to reinforce the whole direct composite restoration. Direct composite build-up technique was combined with polyethylene fiber could be used to restored anterior teeth and as alternative to minimal invasive treatment in restorative dentistry.

Keywords: composite restoration, minimal invasive dentistry, fiber-reinforced

INTRODUCTION

Loss of anterior teeth may be a catastrophic event for the patient. Replacing the missing teeth are important, to provide a positive psychological approach and to maintain the facial esthetics and phonetics. Conservation, natural preservation, minimal invasion, esthetics and cost are some of the important factors that are considered when a missing teeth are replaced.