

中華民國植牙醫學會南區學術演講

2016-2017年

最新臨床植牙鑲復實證醫學趨勢

葉信圻醫師
2017.6.25

葉信圻醫師

- 彰化/彰濱 秀傳醫院牙科部 主治醫師
- 美國鑲復牙科學會專科醫師 暨院士 (F.A.C.P.)
- 美國印第安納大學(Indiana University) 鑲復牙科專科訓練 暨碩士 (M.S.D.)
- 高雄醫學大學牙醫學系 (D.D.S)



今天選擇了93篇文章與各位分享

都跟植牙有相關

有問題歡迎討論，
資料在網站上可以慢慢看

請不用抄筆記，所有內容已上傳到我的網站上

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假牙贗復學

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2016牙醫助理基礎認證課程

目的

自我介紹

本網站合作的廠商廣告

關於植牙：要不要綁在一起？

20160103 比較SPLINTED和NONSPLINTED IMPLANT 的MARGINAL BONE LOSS---VIGOLO(2015)

Clinical Evaluation of Marginal Bone Level Change Around Multiple Adjacent Implants Restored with Splinted and Nonsplinted Restorations: A 10-Year Randomized Controlled Trial

Paolo Vigolo, DMD, MScD¹/Sabrina Mutinelli, DMD²/
Massimiliano Zaccaria, DMD³/Edoardo Stellini, DMD⁴

十年的追蹤，non-splinted 比 splinted的marginal bone
loss多了0.1mm，但有統計上差異。

20160112 上下顎UNSPINTED IMPLANT RETAINED OVERDENTURE的追蹤---STRONG(2015)

Success of Unsplinted Implant-Retained Removable Mandibular and Maxillary Overdentures: A Retrospective Study of Consecutive Cases



Samuel M. Strong, DDS¹

When restoring in the edentulous options include fix screw-retained pro detachable (hybrid)

Unsplinted implant retained overdenture應該是可信賴的

20170617 在下顎後牙區的植體長短及是否相連的 FINITE ELEMENT STUDY—TONIOLO(2017)

A Three-Dimensional Finite Element Analysis of the Stress Distribution Generated by Splinted and Nonsplinted Prostheses in the Rehabilitation of Various Bony Ridges with Regular or Short Morse Taper Implants

Marcelo Bighetti Toniollo, MSc, PhD¹/Ana Paula Macedo, MSc, PhD²/
Renata Cristina Silveira Rodrigues, MSc, PhD²/Ricardo Faria Ribeiro, MSc, PhD²/
Maria da Gloria Chiarello de Mattos, MSc, PhD²

若是使用短植體，理論上要相連在一起

關於植牙：ALL-ON-4？

20160104 上顎V4 IMPLANT SUPPORT FIXED DENTURE的治療方式---JENSEN(2015)

CLINICAL RESEARCH

**Maxillary V-4: Four implant treatment for maxillary atrophy with dental implants fixed apically at the vomer-nasal crest, lateral pyriform rim, and zygoma for immediate function.
Report on 44 patients followed from 1 to 3 years**

Ole T. Jensen, DDS, MS,^a Mark W. Adams, DDS, MS,^b Caesar Butura, DDS,^c and Daniel F. Galindo, DDS^d



不得已的情況下，可以考慮都種斜的

20160229 REVERSE ZYGOMATIC IMPLANT---DAWOOD(2015)

The Reverse Zygomatic Implant: A New Implant For Maxillofacial Reconstruction

Andrew Dawood, MRD, RCS, MSc, BDS¹/

Jonathan Collier, MA, MFDS, FRCS (OMFS), PhD²/

Alastair Darwood, BMedSci³/Susan Tanner, MRD, RCS, MSc, BDS⁴

不得已的情況下，zygomatic implant也可以反過來種

20160710 使用TILTED DENTAL IMPLANT是否能增加IMPLANT RETAINED PROSTHESIS的支持面積---
WENTASCHEK(2016)

Polygonal Area of Prosthesis Support with Straight and Tilted Dental Implants in Edentulous Maxillae

Stefan Wentaschek, DMD, MSc¹/Karl Martin Lehmann, DMD, PhD²/Herbert Scheller, DMD, PhD³/
Gernot Weibrich, MD, DMD, PhD²/Nikolaus Behneke, DMD, PhD²

最後一支植體種45度角斜的，跟種直的比較起來可以多
15%的覆蓋面積

20160725 比較OPEN AND CLOSE TRAY 去印ALL-ON-4的精準度---SIADAT(2016)

Comparison of Different Impression Techniques When Using the All-on-Four Implant Treatment Protocol

Hakimeh Siadat, DDS, MS¹/Marzieh Alikhasi, DDS, MS²/
Elaheh Beyabanaki, DDS, MS³/Susan Rahimian, DDS, MS⁴

Open tray，直的，abutment level印all-on-4比較準

20160808 上顎IMPLANT-SUPPORTED FIXED PROSTHESIS的關鍵回顧---GALLUCCI(2016)

Maxillary Implant-Supported Fixed Prosthesis: A Survey of Reviews and Key Variables for Treatment Planning

German O. Gallucci, DMD, PhD¹/Marianna Avrampou, DDS, MSc²/James C. Taylor, DMD, MA³/
Julie Elpers, DMD, MS⁴/Ghadeer Thalji, DDS, PhD⁵/Lyndon F. Cooper, DDS, PhD⁶

上顎implant supported prosthesis有不同的製作方式，看
醫師的經驗及習慣做選擇

20160918 評估對於全口無牙的患者使用IMPLANT-SUPPORTED PROSTHESIS的滿意度---DE SOUZA(2016)

Assessment of Satisfaction Level of Edentulous Patients Rehabilitated with Implant-Supported Prostheses

Fernando Isquierdo de Souza, DDS, MSc, PhD Student¹/Alessandro de Souza Costa, DDS, MSc²/
Rodrigo dos Santos Pereira, DDS, MSc, PhD Student³/Paulo Henrique dos Santos, DDS, MSc, PhD⁴/
Rui Barbosa de Brito Jr, DDS, MSc, PhD⁵/Eduardo Passos Rocha, DDS, MSc, PhD⁴

即使是有植牙支持/協助的假牙，還是有不滿意的患者

20160920 上顎全口沒有補骨植牙重建比較 IMMEDIATE OR DELAYED LOADING之追蹤--- BUSENLECHNER(2016)

Graftless Full-Arch Implant Rehabilitation with Interantral Implants and Immediate or Delayed Loading— Part I: Reconstruction of the Edentulous Maxilla

Dieter Busenlechner, DDS, PhD¹/Georg Mailath-Pokorny, DDS, MD, PhD¹/
Robert Haas, DDS, MD, PhD¹/Rudolf Fürhauser, DMD, MD¹/Carina Eder, DMD¹/
Bernhard Pommer, DDS, PhD¹/Georg Watzek, DDS, MD, PhD¹

上顎植在兩個sinus之間，做implant supported
prosthesis，成功機率大

20170104 如何將ALL-ON-4的INTERIM PROSTHESIS轉接上---HASHEMZADEH(2016)

DENTAL TECHNIQUE

An alternative conversion technique for fabricating an interim fixed implant-supported complete arch prosthesis



Shervin Hashemzadeh, DDS,^a Burak Yilmaz, DDS, PhD,^b Fred Zugaro, CDT,^c and Edwin McGlumphy, DDS, MS^d

All-on-4 interim fixed denture要小心去接

20170215 全口重建時使用CERAMIC-VENEERED ZIRCONIA FRAMEWORK的追蹤--- CARAMES(2016)

Ceramic-Veneered Zirconia Frameworks in Full-Arch Implant Rehabilitations: A 6-Month to 5-Year Retrospective Cohort Study

João Manuel Mendez Caramês, DDS, PhD, FICD¹/António Duarte Sola Pereira da Mata, DDS, PhD, FICD²/
Duarte Nuno da Silva Marques, DDS, PhD³/Helena Cristina de Oliveira Francisco, DDS, MS, PhD⁴

Ceramic-veneered zirconia framework的本體是夠穩固的，但是要注意chipping的機率非常高

20170505 在CAD/CAM IMPLANT SUPPORTED FIXED PROTHESIS加上TITANIUM MILLED MOLAR的臨床病例---ALHELAL(2017)

CLINICAL REPORT

CAD-CAM implant-supported fixed complete dental prosthesis with titanium milled molars: A clinical report



Abdulaziz AlHelal, BDS, MS,^a Bader AlBader, BDS,^b Mathew T. Kattadiyil, BDS, MDS, MS,^c
Antoanela Garbacea, DDS, MSD,^d and Periklis Proussaefs, DDS, MS^e

All-on-4的framework，可以考慮在molar做metal teeth設計，應該可以增加假牙壽命

關於植牙：手術要注意？

20160107 POSTEROSUPERIOR ALVEOLAR ARTERY 跟上顎竇的位置關係---HAYEK(2015)

Location of Posterosuperior Alveolar Artery and Correlation with Maxillary Sinus Anatomy



Elie Hayek, BDS, DU¹/Ibrahim Nasseh, DDS, DSO, FICD²
Wahib Hadchiti, BDS, MSC³/Philippe Bouchard, DDS, MSC⁴
Maria Moarbes, BDS, DU⁵/Georges Khawam, BDS, DU⁶
Boulos Bechara, DDS, MS⁷/Marcel Noujeim, DDS, MS⁸

Thorough kn
omy of the
imperative b
all sinus lift a
cedures in th

做sinus lateral window，要檢查PSAA的位置避免出血

22

20160331 使用FRACTAL DIMENSION VALUE評估 IMPLANT RECIPIENT SITE的骨質狀況---SUER(2016)

Correlation of Fractal Dimension Values with Implant Insertion Torque and Resonance Frequency Values at Implant Recipient Sites

Berkay Tolga Suer, DDS, PhD¹/Zekai Yaman, DDS, PhD²/Bora Buyuksarac, MSc³

X光看起來白一點的骨頭，可能會比較硬一些

20160620 比較BICORTICAL FIXATION, INDIRECT SINUS ELEVATION和UNICORTICAL FIXATION的 IMPLANT STABILITY---HSU(2016)

Comparison of Initial Implant Stability of Implants Placed Using Bicortical Fixation, Indirect Sinus Elevation, and Unicortical Fixation

Andrea Hsu, DMD, MS¹/Wook-Jin Seong, DDS, PhD²/Ryan Wolff, DDS³/Lei Zhang, MS⁴/
James Hodges, PhD⁵/Paul S. Olin, DDS, MS²/James E. Hinrichs, DDS, MS⁶

三種不同的植牙方式所得到的ISQ並沒有差異，但
unicortical會種比較短一點

20160720 選擇IMMEDIATE IMPLANT PLACEMENT選擇的IMPLANT DIAMETER---DE OLIVEIRA ROSA(2016)

Guidelines for Selecting the Implant Diameter During Immediate Implant Placement of a Fresh Extraction Socket: A Case Series



Ariadene Cristina Pértile de Oliveira Rosa, DDS, MSc, PhD¹
José Carlos Martins da Rosa, DDS, MSc, PhD¹
Luís Antônio Violin Dias Pereira, DDS, MSc, PhD²
Carlos Eduardo Francischone, DDS, MSc, PhD³
Bruno Salles Sotto-Maior, DDS, MSc, PhD⁴

According
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extractio

前牙立即植牙要注意buccal wall，diameter要看B-L的距離

20160917 做FLAPPED OR FLAPLESS SURGERY對於 INITIAL CRESTIAL BONE LOSS的影響---MAIER(2016)

Initial Crestal Bone Loss After Implant Placement with Flapped or Flapless Surgery—A Prospective Cohort Study

Frank-Michael Maier, Dr Med Dent, M Sc¹

隨機分配使用flap / flapless方式植牙，結果不翻瓣的方式
平均保留骨質情況較好

20160921 在TRANSMUCOSAL IMPLANT植牙時補上 SUBMARGINAL CONNECTIVE TISSUE GRAFT對於 SHALLOW BUCCAL DEHISCENCE的三年追蹤--- STEFANINI(2016)

Transmucosal Implant Placement with Submarginal Connective Tissue Graft in Area of Shallow Buccal Bone Dehiscence: A Three-Year Follow-Up Case Series



Martina Stefanini, DDS, PhD¹

Pietro Felice, MD²/Claudio Mazzotti, DDS, MSc³

Matteo Marzadori, DDS, MSc³

Enrico F. Gherlone, MD⁴/Giovanni Zucchelli, DDS, PhD⁵

好的soft tissue可以保護bone

20170203 UNDERSIZED IMPLANT SURGICAL PREPARATION的系統性回顧---STOCCHERO(2016)

Biomechanical, Biologic, and Clinical Outcomes of Undersized Implant Surgical Preparation: A Systematic Review

Michele Stocchero, DDS¹/Marco Toia, DDS²/Denis Cecchinato, MD, DDS³/
Jonas P. Becktor, DDS, PhD⁴/Paulo G. Coelho, DDS, PhD⁵/Ryo Jimbo, DDS, PhD⁴

植牙的鑽頭比植體小一點是合理的

20170219 實際測量上顎前牙拔牙後的SOCKET WALL厚度---HUYNH-BA(2010)

CLINICAL ORAL IMPLANTS RESEARCH

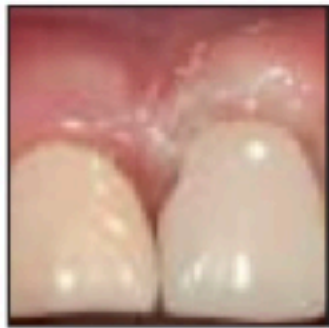
*Guy Huynh-Ba
Bjarni E. Pjetursson
Mariano Sanz
Denis Cecchinato
Jorge Ferrus
Jan Lindhe
Niklaus P. Lang*

Analysis of the socket bone wall dimensions in the upper maxilla in relation to immediate implant placement

上顎前牙拔牙後的buccal wall有87%小於1mm厚度

20170311 治療在美觀區MALPOSITIONED IMMEDIATELY IMPLANT---STERN(2017)

Novel Approach to Managing Malsequenced and Malpositioned Immediately Placed Implants in the Esthetic Zone



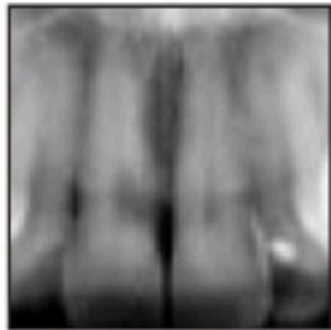
Jacob K. Stern, DMD, MSc¹
Christopher M. Bingham, DDS, MSc²
Brock J. Pumphrey, DMD³
Gerard J. Chiche, DDS⁴
Eduardo Britton, DDS⁵

Immediately placed
esthetic zone are
ing treatment m
optimal esthetics
cise diagnosis,

上顎前牙要做植牙，不只是要看植牙的美觀，也要考慮到
整體的美觀

20170614 在上顎前牙做BONE SOUNDING的準確性---KAN(2017)

Accuracy of Bone Sounding in Assessing Facial Osseous-Gingival Tissue Relationship in Maxillary Anterior Teeth



Joseph Y. K. Kan, DDS, MS¹
Yoon Jeong Kim, DDS, MS²
Kitichai Rungcharassaeng, DDS, MS³
John C. Kois, DMD, MSD⁴

The facial
relationship
is one of
eventual
ing perio

上顎前牙做bone sounding的誤差值多半小於1mm，但是
要考慮一些極端誤差的情況

關於植牙：開藥要注意？

20160110 評估在牙周及植牙治療中抗生素的使用---FROUM(2015)

An Evaluation of Antibiotic Use in Periodontal and Implant Practices



Stuart J. Froum, DDS, PC¹

Mea A. Weinberg, DMD, MSD, RPh²

沒有一定要開抗生素的準則，但建議保護自己

20160208 比較不同的漱口水對於阻止PLAQUE的結果---NEHME(2015)

A Randomized, Crossover Trial to Evaluate the Effect of Two Mouthrinses on Plaque Regrowth in the Absence of Brushing



Marc Nehme, DDS, MSc¹/Katy Malpass, BSc (Hons), PhD¹
Andrew Butler, BSc, CStat²
Stephen Mason, BSc, MSc, PhD, MRSC (CChem)³
Carl J. Kleber, MSD, PhD⁴/Jeffery L. Milleman, DDS, MPA⁵
Kimberly R. Milleman, RDH, BSEd, MS⁵

Xerost
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在術後給予CHx漱口藥水可以減少plaque score

關於植牙：立即乘載？

20160111 從組織學方面來看立即承載的下顎單 顆植體---AMATO(2015)

Human Histologic Analysis of an Immediately Loaded Single-Tooth Mandibular First Molar Implant



Francesco Amato, MD, DDS, PhD¹

Giorgio Polara, DDS²

Tonino Traini, DDS, PhD³

Primary stability是好的，立即乘載應該沒有問題

20160117 FLAPLESS POSTRACTION SOCKET IMPLANT在有
做BONE GRAFTING和PROVISIONAL RESTORATION對於
PERI-IMPLANT SOFT TISSUE的寬度和高度的影響 ---
CHU(2015)

Flapless Postextraction Socket Implant Placement, Part 2: The Effects of Bone Grafting and Provisional Restoration on Peri-implant Soft Tissue Height and Thickness— A Retrospective Study



Stephen J. Chu, DMD, MSD, CDT¹/Maurice A. Salama, DMD²
David A. Garber, DDS, BDS²/Henry Salama, DMD²
Guido O. Sarnachiaro, DDS³/Evangelina Sarnachiaro⁴
Sergio Luis Gotta⁵/Mark A. Reynolds, DDS, MS, PhD⁶
Hanae Saito, DDS, MS⁷/Dennis P. Tarnow, DDS⁸

Implant placement into postextraction sockets with a provisional restoration in nonfunctional occlusion in the maxillary anterior region has increased in use and clinical relevance.

前牙immediate implant若是能夠補骨及同時做provisional
restoration，結果可能會比較好。

20161217 INTERIM IMMEDIATELY LOADED FULL-ARCH PROSTHESES的 COMPLICATIONS---DRAGO(2016)

Frequency and Type of Prosthetic Complications Associated with Interim, Immediately Loaded Full-Arch Prostheses: A 2-Year Retrospective Chart Review

Carl Drago, DDS, MS, FACP^{1,2,3}

¹Department of Dental Specialties, Gundersen Health System, LaCrosse, WI

²Department of General Dental Sciences, Marquette University School of Dentistry, Milwaukee, WI

³Eon Clinics, Waukesha WI

all-on-4 immediate loading interim prosthesis，植體失敗率極低，但是修補率要抓2成左右

20170407 下顎IMMEDIATE LOADED IMPLANT OVERDENTURE的五年追蹤--- KRONSTROM(2017)

Satisfaction and Clinical Outcomes Among Patients with Immediately Loaded Mandibular Overdentures Supported by One or Two Dental Implants: Results of a 5-Year Prospective Randomized Clinical Trial

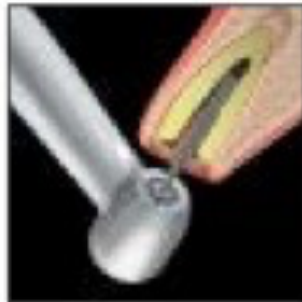
Mats Kronstrom, DDS, PhD¹/Ben Davis, DDS, Dip OMFS, FR²/
Robert Loney, DMD, MS³/Jack Gerrow, DDS, MS, Med⁴/Lars Hollender, DDS, PhD⁵

Immediate loading的下顎implant OVD，其植體若要失敗，一開始就失敗了，長期追蹤很難但是效果很好

關於植牙：留下斷根？

20160119 PDL-MEDIATED RIDGE PRESERVATION FOR IMMEDIATE IMPLANT REHABILITATION IN THE ESTHETIC REGION---MITSIAS(2015)

A Step-by-Step Description of PDL-Mediated Ridge Preservation for Immediate Implant Rehabilitation in the Esthetic Region



Miltiadis E. Mitsias, DDS, MSc, PhD¹

Konstantinos D. Siormpas, DDS²

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David Garber, DMD⁴/Georgios A. Kotsakis, DDS⁵

Extracti
cade of
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of atrau
preserv

前牙immediate implant時在頰側留下斷根可能可行

20160203 殘留牙根碎片在植體周邊 的CASE REPORT---LANGER(2015)

Unintentional Root Fragment Retention in Proximity to Dental Implants: A Series of Six Human Case Reports



Laureen Langer, DDS¹
Burton Langer, DMD, MScD¹
Daliah Salem, DMD, MMSc²

case report 對於植體周圍有牙根碎片，成功率只有五成

關於植牙：PERI-IMPLANTITIS

20160120 REGENETATIVE APPROACH TO SUCCESS TREATMENT OF PERI-IMPLANTITIS---FROUM(2015)

A Regenerative Approach to the Successful Treatment of Peri-implantitis: A Consecutive Series of 170 Implants in 100 Patients with 2- to 10-Year Follow-up



Stuart J. Froum, DDS, PC¹
Scott H. Froum, DDS, PC²
Paul S. Rosen, DMD, MS³

Peri-implantitis 在仔細清潔後有獲得改善

20160508 ADJUNCTIVE SYSTEMIC AND LOCAL ANTIMICROBIAL THERAPY IN THE SURGICAL TREATMENT OF PERI-IMPLANTITIS---CARCUAC(2016)

Research Reports: Clinical

Adjunctive Systemic and Local Antimicrobial Therapy in the Surgical Treatment of Peri-implantitis: A Randomized Controlled Clinical Trial

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and T. Berglundh¹**

治療Peri-implantitis時有無使用antibiotics和CHx沒有差異，植體表面有無磨平順有差異

20160510 PERI-IMPLANT OSSEOUS DEFECT重建的RCT研究---JEPSEN(2016)

Research Reports: Clinical

Reconstruction of Peri-implant Osseous Defects: A Multicenter Randomized Trial

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A. Ortiz-Vigon⁴, A.M. Roos-Jansåker^{5,6}, and S. Renvert^{5,6,7,8}**

治療Peri-implantitis時使用open flap + porous titanium granules有效果

20160514 如何處理逐年增加的PERI-IMPLANTITIS發生率---TARNOW(2016)

Perspective

Increasing Prevalence of Peri-implantitis: How Will We Manage?

D.P. Tarnow¹

Keywords: dental implants, clinical outcomes, peri-mucositis, bone loss, oral implants, osseointegration

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Dr. Tarnow 預測 Peri-implantitis 在未來10年內的發生率大約為10%，一定要注意清潔

20160703 不同方式對於植體表面的殺菌功能比較---SAFFARPOUR(2016)

Bactericidal Effect of Erbium-Doped Yttrium Aluminum Garnet Laser and Photodynamic Therapy on *Aggregatibacter Actinomycetemcomitans* Biofilm on Implant Surface

Anna Saffarpour, DDS, MSc¹/Reza Fekrazad, DDS, MSc²/Maryam Naghavi Heibati, DDS³/
Abbas Bahador, PhD⁴/Aida Saffarpour, DDS, MSc⁵/Amir R. Rokn, DDS, Msc⁶/
Aysel Iranparvar, DDS³/Mohammad J. KharaziFard, DDS, PhD⁷

用雷射，LED，CHx都可以殺菌，而CHx沖洗30秒效果最佳

20160706 比較不同藥劑對於植體內部的殺菌作用---PODHORSKY(2016)

Transfer of Bacteria into the Internal Cavity of Dental Implants After Application of Disinfectant or Sealant Agents In Vitro

Anke Podhorsky, Dr Med Dent¹/Stefanie Biscoping, Dr Med Dent²/
Peter Rehmann, PD Dr Med Dent³/Philipp Streckbein, PD Dr Med, Dr Med Dent⁴/
Eugen Domann, Prof Dr Rer Nat⁵/Bernd Wöstmann, Prof Dr Med Dent⁶

Sealing agent有幫助，但還是會有implant/abutment connection滲漏，無法完全去除細菌

20160719 NONSURGICAL TREATMENT OF PERI-IMPLANTITIS USING BIOFILM DECONTAMINATION---PINI-PRATO(2016)

Nonsurgical Treatment of Peri-implantitis Using the Biofilm Decontamination Approach: A Case Report Study



Giovanpaolo Pini-Prato, MD, DDS, PhD¹
Cristina Magnani, DDS¹
Roberto Rotundo, DDS²

Periodontitis is an
ease caused by a
therapy is based
and root debrid
without flap app

使用sulfonic acid去處理有peri-implantitis的植體表面，需要更多的研究

20160814 在FAILING IMPLANT上使用電子顯微鏡看BACTERIAL BIOFILM---SIMION(2016)

Bacterial Biofilm Morphology on a Failing Implant with an Oxidized Surface: A Scanning Electron Microscope Study



Massimo Simion, MD, DDS¹
David M. Kim, DDS, DMSc²
Stefano Pieroni, DDS³
Myron Nevins, DDS⁴
Clara Cassinelli⁵

peri-implantitis的植體表面若是rough surface，需要磨平
後打亮比較有機會完全去除細菌

20160923 PERI-IMPLANT DISEASE 的分類系統---SARMIENTO(2016)

A Classification System for Peri-implant Diseases and Conditions



Hector L. Sarmiento, DMD, MSc¹
Michael R. Norton, BDS, FDS, RCS(Ed)²
Joseph P. Fiorellini, DMD, DMSc³

Peri-implantitis的分類，大多還是因為細菌的問題

20170209 對於REGENETIVE APPROACH TREATING PERI-IMPLANTITIS的系統性回顧--- KHOSHKAM(2016)

Long-term Radiographic and Clinical Outcomes of Regenerative Approach for Treating Peri-implantitis: A Systematic Review and Meta-analysis

Vahid Khoshkam, DDS¹/Fernando Suárez-López Del Amo, DDS, MS²/Alberto Monje, DDS, MS³/
Guo-hao Lin, DDS, MS⁴/Hsun-Liang Chan, DDS, MS⁵/Hom-Lay Wang, DDS, MSD, PhD⁶

Peri-implantitis的治療之系統性回顧，在X光上看起來有效
果，但是是真的新生骨質嗎？

20170503 PERI-IMPLANT DISEASE的發生原因及機轉的CRITICAL REVIEW---SALVI(2017)

Critical Reviews in Oral Biology & Medicine

Prevalence and Mechanisms of Peri-implant Diseases

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G.E. Salvi¹, R. Cosgarea^{2,3}, and A. Sculean¹

因為植體周圍的軟組織和自然牙不一樣，一旦有發炎，進展會比牙周病更快更猛

關於植牙：RIDGE SPLITTING

20160202 比較在NARROW ALVEOLAR RIDGE 使用RIDGE EXPANSION和RIDGE SPLITTING 的結果---KAO(2015)

Comparison of Ridge Expansion and Ridge Splitting Techniques for Narrow Alveolar Ridge in a Swine Cadaver Model



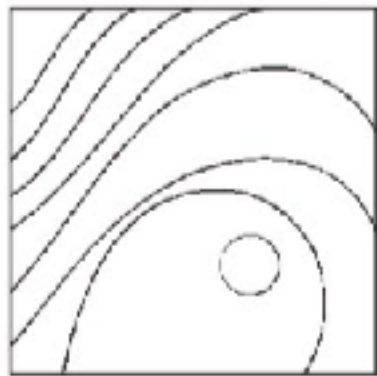
Daniel W.K. Kao, DDS, MS, DMD¹

Joseph P. Fiorellini, DMD, DMSc²

原始ridge最好要有3mm以上比較好做splitting/expansion

20161025 在拔牙後的SOCKET裡做BUCCAL PLATE EXPANSION的處理---AYORA(2016)

Extraction Socket Management with Buccal Plate Expansion: Preliminary Results of a Novel Technique



Alberto Fernandez Ayora, DDS, MS¹

Oscar González-Martín, DDS, MS²

Eric Rompen, DDS, MS, PhD³

Geoffrey Lecloux, DDS, MS⁴

France Lambert, DDS, MS, PhD⁴

拔牙後的buccal plate還是會吸收掉，即使你故意留下，
甚至多補一點

關於植牙：OPEN CONTACT

20160210 IMPLANT補綴物周圍OPEN CONTACT的成因及解決方式--- GREENSTEIN(2016)

Open contacts adjacent to dental implant restorations

Etiology, incidence, consequences, and correction

Gary Greenstein, DDS, MS; Joseph Carpentieri, DDS;
John Cavallaro, DDS

ABSTRACT

Background. The aim of this investigation was to eval-

長期下來，植牙的mesial side可能會有open contact，因為自然牙有向前傾倒的傾向

20160517 觀察一年植牙與鄰牙的 CONTACT TIGHTNESS---REN(2016)

CLINICAL SCIENCE

Changes in proximal contact tightness between fixed implant prostheses and adjacent teeth: A 1-year prospective study



Shuxin Ren, DDS,^a Ye Lin, DDS,^b Xiulian Hu, DDS,^c and Ying Wang, DDS^d

追蹤一年，植牙的mesial side會有open contact的傾向

關於植牙：危險因子

20160224 EARLY IMPLANT FAILURE的 RISK FACTORS---OLMEDO-GAYA(2016)

CLINICAL RESEARCH

Risk factors associated with early implant failure: A 5-year retrospective clinical study



Maris Victoria Olmedo-Gaya, PhD,^a Francisco J. Manzano-Moreno, DDS, MSc,^b Esther Cañaveral-Cavero, DDS,^c Juan de Dios Luna-del Castillo, PhD,^d and Manuel Vallecillo-Capilla, PhD^e

植牙的early failure，跟male, severe periodontal disease, expansion, short implant, pain/inflammation 1 week有關係性

20160422 INTERIMPLANT DISTANCE和 CRESTAL BONE HEIGHT之關係的系統性回顧 ---AL AMRI(2016)

SYSTEMATIC REVIEW

Influence of interimplant distance on the crestal bone height around dental implants: A systematic review and meta-analysis

Mohammad D. Al Amri, BDS, MS, FRCDC



植牙之間的距離，是否真的要差距3mm？應該以最後補綴物的觀點來植牙

20160629 有ORAL MUCOSAL DISEASE的患者 對於DENTAL IMPLANT的反應之系統性回顧--- REICHART(2016)

Review

Dental implants in patients with oral mucosal diseases – a systematic review

P. A. REICHART*, A. M. SCHMIDT-WESTHAUSEN*, P. KHONGKHUNTHIAN[†] & F. P. STRIETZEL[‡]
**Department of Oral Medicine, Dental Radiology and Oral Surgery, Center for Dental, Oral and Maxillary Medicine, Charité – Universitätsmedizin Berlin/Germany, Berlin, Germany, [†]Faculty of Dentistry, Center of Excellence for Dental Implantology, Chiang Mai University/Thailand, Chiang Mai, Thailand and [‡]Department for Oral Medicine, Dental Radiology, and Oral Surgery, Charité Centre 3 for Dental, Oral, and Maxillary Medicine, Charité – Universitätsmedizin Berlin, Berlin, Germany*

有oral mucosal disease的患者植牙目前並沒有絕對的禁忌症

20161121 磨牙和植牙失敗的多重 相關因素---CHRCANOVIC(2016)

Bruxism and dental implant failures: a multilevel mixed effects parametric survival analysis approach

B.R. CHRCANOVIC*, J. KISCH[†], T. ALBREKTSSON*[‡] & A. WENNERBERG* *Department of Prosthodontics, Faculty of Odontology, Malmö University, Malmö, [†]Clinic for Prosthodontics, Centre of Dental Specialist Care, Malmö and [‡]Department of Biomaterials, Göteborg University, Göteborg, Sweden

有磨牙的患者植牙的失敗率的確較高，要注意患者有沒有
磨牙

20170531 回顧不同年齡層的植體 失敗率---SENDYK(2017)

Review

Dental implant loss in older versus younger patients: a systematic review and meta-analysis of prospective studies

D. I. SENDYK*, E. S. ROVAI[†], C. M. PANNUTI[†], M. C. Z. DEBONI*,
W. R. SENDYK[‡] & A. WENNERBERG[§] **Department of Oral and Maxillofacial Surgery, Faculty of Odontology, University of São Paulo, São Paulo, [†]Division of Periodontics, Department of Stomatology, Faculty of Odontology, University of São Paulo, São Paulo, [‡]Department of Periodontology and Implantology, Faculty of Odontology, University of Santo Amaro, São Paulo, Brazil and [§]Department of Prosthodontics, Faculty of Odontology, Malmö University, Malmö, Sweden*

年紀應該不是植牙會失敗的因素之一

20170615 植牙後感覺異常的案例 整理---POLITIS(2017)

Report of Neuropathic Pain After Dental Implant Placement: A Case Series

Constantinus Politis, MD, DDS, MHA, MM, PhD¹/Jimoh Agbaje, BDS, DMD, FMCDS, MMI, PhD²/
Jeroen Van Hevele, MD, DDS, OMF³/Laura Nicolielo, DDS, MSc⁴/Antoon De Laat, DDS, PhD⁵/
Ivo Lambrichts, DDS, PhD⁶/Reinhilde Jacobs, DDS, MSc, PhD, Dhc⁷

植牙後感覺異常，最好是在48小時內移除植體，但是很多
情形下異常的原因不明

關於植牙：CBCT

20160226 使用CBCT量測上顎前牙的LABIAL和
PALATAL BONE的厚度的準確性---
BEHNIA(2015)

Accuracy and Reliability of Cone Beam Computed Tomographic Measurements of the Bone Labial and Palatal to the Maxillary Anterior Teeth

Hossein Behnia, DMD, MS¹/Saeed Reza Motamedian, DDS²/

Mohammad Taghi Kiani, DMD, MS³/Golnaz Morad, DDS²/Arash Khojasteh, DMD, MS⁴

在CBCT上量測的bone厚度若是小於1mm，有可能會更薄

關於植牙：GBR

20160404 做VERTICAL BONE GRAFT和PERIOSTEAL VERTICAL MATTRESS SUTURE WITH RESORBABLE MEMBRANE的CASE REPORT--URBAN(2016)

Vertical Bone Grafting and Periosteal Vertical Mattress Suture for the Fixation of Resorbable Membranes and Stabilization of Particulate Grafts in Horizontal Guided Bone Regeneration to Achieve More Predictable Results: A Technical Report



Istvan A. Urban, DMD, MD, PhD¹

Jaime L. Lozada, DMD²

Bastian Wessing, Dr Med Dent³

Fernando Suárez-López del Amo, DDS⁴

Hom-Lay Wang, DDS, MSD, PhD⁵

Bone augmentation techniques using guided bone regeneration (GBR) have shown excellent and reproducible success rates for many years and have ensured a re

可以使用periosteal vertical mattress suture來固定
resorbable membrane

20160530 植牙位置跟是否有補骨的存活率---TRAN(2016)

Survival of Dental Implants Placed in Grafted and Nongrafted Bone: A Retrospective Study in a University Setting

Duong T. Tran, DDS, MPH, PhD¹/Isabel C. Gay, DDS, MS²/Janice Diaz-Rodriguez, DDS³/Kavitha Parthasarathy, DDS, MS⁴/Robin Weltman, DDS, MS⁵/Lawrence Friedman, DDS⁶

植牙時沒有補骨的成功率略高，但沒有統計上差異。抽煙和沒有定期回診才會提高失敗率。

20160531 在SINUS LIFT之後 MEMBRANE的變化---MAKARY(2016)

Changes in Sinus Membrane Thickness After Lateral Sinus Floor Elevation: A Radiographic Study

Christian Makary, DDS, PhD¹/Alberto Rebaudi, MD, DDS²/
Abdallah Menhall, DDS³/Nada Naaman, DDS, PhD⁴

Lateral window sinus lift後，membrane在一週內會增厚
將近5mm，增厚的量和補骨的量成正比，半年後會恢復正
常

20160717 在上顎前牙做補骨的難度分類---URBAN(2016)

Surgical Management of Significant Maxillary Anterior Vertical Ridge Defects



Istvan A. Urban, DMD, MD, PhD¹

Alberto Monje, DDS²/Myron Nevins, DDS³

Marc L. Nevins, DMD, MSc⁴/Jamie L. Lozada, DDS, MS⁵

Hom-Lay Wang DDS, MSD, PhD⁶

上顎前牙補骨，要注意vestibule的深淺以及periosteum的健康狀況

20160905 植牙的長度寬度和SINUS AUGMENTATION的BONE STRESS 3D FINITE ELEMENT ANALYSIS---MORIWAKI(2016)

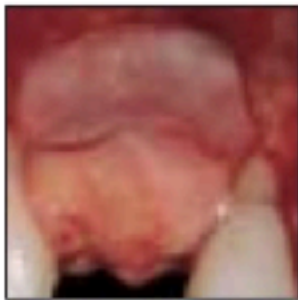
Influence of Implant Length and Diameter, Bicortical Anchorage, and Sinus Augmentation on Bone Stress Distribution: Three-Dimensional Finite Element Analysis

Hiro Yoshi Moriwaki, DDS, PhD¹/Satoshi Yamaguchi, PhD²/Tamaki Nakano, DDS, PhD³/
Yasufumi Yamanishi, DDS, PhD¹/Satoshi Imazato, DDS, PhD⁴/Hirofumi Yatani, DDS, PhD⁵

在上顎後牙區域，如果能夠種越寬越長最好，需要的時候該補骨就補骨，因為植體長度可以更長一些

20170224 在鄰牙牙周狀況不好的單顆植牙的 PAPILLA REFORMATION---URBAN(2017)

Papilla Reformation at Single-Tooth Implant Sites Adjacent to Teeth with Severely Compromised Periodontal Support



Istvan A. Urban, DMD, MD¹
Perry R. Klokkevold, DDS, MS²
Henry H. Takei, DDS, MS³

The interdental
tremely import
esthetics that
when replacing
While replicati

鄰牙牙周狀況不佳，要先想好要怎麼補骨，補骨的量要很
足夠

20170613 在下顎做不同補骨方式的系統性回顧---ELNAYEF(2017)

Vertical Ridge Augmentation in the Atrophic Mandible: A Systematic Review and Meta-Analysis

Basel Elnayef, DDS, MS¹/Alberto Monje, DDS, MS²/Jordi Gargallo-Albiol, DDS, PhD³/
Pablo Galindo-Moreno, DDS, PhD⁴/Hom-Lay Wang, DDS, MS, PhD⁵/
Federico Hernández-Alfaro, MD, DDS, FEBOMS, PhD⁶

在下顎後牙區，補骨高度4mm之下，GBR比較起來是比較可靠的補骨方式

關於植牙：ABUTMENT

20160410 比較TITANIUM AND MACHINABLE PRECIOUS ALLOY製作的 CUSTOMIZED ABUTMENT---LEE(2016)

Comparison of Customized Abutments Made from Titanium and a Machinable Precious Alloy

Jee-Ho Lee, DDS, PhD¹/Ji-Man Park, DDS, PhD²/Eun-Jin Park, DDS, PhD³/
Jai-Young Koak, DDS, PhD⁴/Seong-Kyun Kim, DDS, PhD⁴/Seong-Joo Heo, DDS, PhD⁴

可以使用Pd-Ag custom abutment，margin輸，torque
贏，顏色比較美觀但是價錢貴很多

20160705 在斜放植體的ABUTMENT給于側向力 之後的ABUTMENT SCREW STABILITY--- ABOU-OBAID(2016)

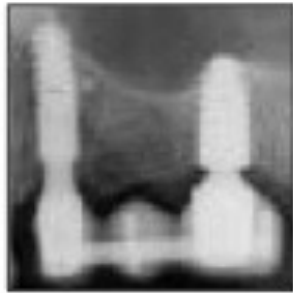
Effect of Single Off-Axis Implant Placement on Abutment Screw Stability Under Lateral Loading

Ala'a Ibrahim Abou-Obaid, BDS¹/Hanan Nejer Al-Otaibi, BDS, MDSc²/Riyadh Fadul Akeel, BDS, MDSc, PhD

single off-axis的implant abutment在接受側向力時並不會
明顯喪失torque

20160718 口內銲接的IMMEDIATE LOADED PROVISIONAL FPD---DEGIDI(2016)

The Conometric Concept: Coupling Connection for Immediately Loaded Titanium-Reinforced Provisional Fixed Partial Dentures— A Case Series



Marco Degidi, MD, DDS¹
Diego Nardi, DDS¹
Adriano Piattelli, MD, DDS²

A debate exists with
the optimal connec
fixed restoration an
recent systematic re
that no statistically s

直接口內銲接可以達到好的fitness，但是需要專門的機器

20160730 使用特別設計的GUIDE去拿除斷裂的ABUTMENT SCREW---YOON(2016)

Safe Removal of a Broken Abutment Screw with Customized Drill Guide and Rotary Instrument: A Clinical Report

Joon-Ho Yoon, DDS, MS, PhD,¹ Heeje Lee, DDS,² & Man-Yong Kim, DDS¹

¹Department of Prosthodontics, National Health Insurance Medical Center, Ilsan Hospital, Gyeonggi, South Korea

²Division of Prosthodontics, Eastman Institute for Oral Health, University of Rochester, Rochester, NY

可以使用客製化的impression coping去保護拆除斷裂
screw時候不要傷到植體內部

20160805 TISSUE ENTRAPMENT對於INTERNAL和EXTERNAL CONNECTION的ABUTMENT SCREW LOOSENING的影響 --- ZENO(2016)

The Effect of Tissue Entrapment on Screw Loosening at the Implant/Abutment Interface of External- and Internal-Connection Implants: An In Vitro Study

Helios A. Zeno, DMD,¹ Renan L. Buitrago, DDS,¹ Sidney S. Sternberger, DMD,¹ Marisa E. Patt, DMD,¹ Nick Tovar, PhD,² Paulo Coelho, DDS PhD,² Kenneth S. Kurtz, DDS, FACP,^{1,3} & Frank J. Tuminelli, DMD, FACP⁴

¹Department of Graduate Prosthodontics, New York Presbyterian, Queens, NY

²Department of Biomaterials and Biomimetics, New York University College of Dentistry, New York, NY

³Department of Graduate Prosthodontics, New York University College of Dentistry, New York, NY

⁴Director of Graduate Prosthodontics, New York Presbyterian, Queens, NY

軟組織滲進去abutment/implant connection，在internal connection比較沒有影響，但是external connection比較會有影響。

20160817 在上顎前牙區嚴重ATROPHY RIDGE 利用HYBRID METAL/PORCELAIN的重建--- ENRIQUEZ(2016)

Esthetic Restoration with Artificial Gingiva in an Atrophied Alveolar Ridge: Clinical Report



Antonio Enríquez, DDS¹
Eric Sánchez, MDr²
J. Manuel Guizar, DDS, CDT³
Carlos Martin del Campo, DDS⁴
L. Antonio Fandiño, DDS⁵

Patients de
and functio
because of
quality of lif
phied alveo

若要做hybrid denture，接multi-unit abutment是個好選
項

20161026 比較不同材質的TOOTH-COLOR IMPLANT CUSTOM ABUTMENT--- GUILHERME(2016)

RESEARCH AND EDUCATION

Assessment of reliability of CAD-CAM tooth-colored implant custom abutments

Nuno Marques Guilherme, DMD, MS, MSD,^a Kwok-Hung Chung, DDS, MS, PhD,^b
Brian D. Flinn, MS, PhD,^c Cheng Zheng, PhD,^d and Ariel J. Raigrodski, DMD, MS^e

上顎前牙美觀區Ti-base + zirconia可能是目前最好的選項

20161026-1 ZIRCONIA ONE PIECE IMPLANT ABUTMENT為什麼不建議繼續使用

純zirconia abutment會刮傷植體內部

20161215 比較外六角植體使用 TITANIUM&ZIRCONIA ABUTMENT CYCLIC LOADING的機械性質變化---GEHRKE(2016)

RESEARCH AND EDUCATION

Mechanical behavior of zirconia and titanium abutments before and after cyclic load application



Sergio Alexandre Gehrke, DDS, PhD,^a Pablo Mateus Poncio da Silva, MS,^b
José Luiz Calvo Guirado, DDS, PhD,^c Rafael Arcesio Delgado-Ruiz, DDS, PhD,^d
Berenice Anina Dedavid, PhD,^e Magda Aline Nagasawa, DDS,^f and Jamil Awad Shibli, DDS, PhD^g

純zirconia abutment在cyclic loading後會變形，並造成植體的損傷

20170107 全瓷冠在不同材質的IMPLANT ABUTMENT的遮色效果---DEDE(2016)

RESEARCH AND EDUCATION

Influence of implant abutment material on the color of different ceramic crown systems

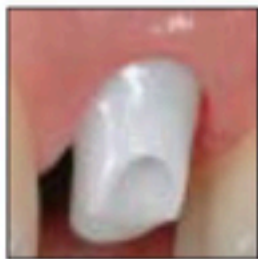


Doğu Ömür Dede, DDS, PhD,^a Arzu Armağanci, DDS, PhD,^b Gözlem Ceylan, DDS, PhD,^c Ersan Celik, DDS, PhD,^d Soner Cankaya, DDS, PhD,^e and Burak Yilmaz, DDS, PhD^f

若使用金屬的abutment，要配合的全瓷冠要是遮色效果強的，可能不適用lithium disilicate

20170302 臨床評估ZIRCONIA ABUTMENT高度以及CONNECTION TYPE的可靠性---FABBRI(2017)

Clinical Evaluation of the Influence of Connection Type and Restoration Height on the Reliability of Zirconia Abutments: A Retrospective Study on 965 Abutments with a Mean 6-Year Follow-Up



Giacomo Fabbri, DDS¹
Mauro Fradeani, MD, DDS²/Gianluca Dellificorelli, DDS³
Marco De Lorenzi, DDS⁴/Fernando Zarone, MD, DDS⁵
Roberto Sorrentino, DDS, MSc, PhD⁶

Due to increasing patient demand for esthetics and the development of computer-aided design/computer-assisted manufacturing (CAD/CAM) technologies, the use

Restoration vertical height如果超過14mm，就有斷裂的風險性，要注意不要讓植牙牙冠高度過高

20170511 比較不同的CERAMIC IMPLANT ABUTMENT的FRACTURE STRENGTH AND FAILURE MODE---ELSAYED(2017)

RESEARCH AND EDUCATION

Comparison of fracture strength and failure mode of different ceramic implant abutments



Adham Elsayed, BDS,^a Sebastian Wille, Dr rer nat,^b Majed Al-Akhali, BDS,^c
and Matthias Kern, Prof Dr med dent habil^d

Implant abutment若是要用全瓷zirconia or lithium disilicate，還是要配合metal base來使用以增加強度

20170612 在做SCREW PRELOAD的方式及其 REMOVAL TORQUE的關係---AL- OTAIBI(2017)

The Effect of Torque Application Technique on Screw Preload of Implant-Supported Prostheses

Hanan Nejer Al-Otaibi, BDS, MSc¹/Ahlam Almutairi, BDS²/Jawza Alfarraj, BDS²/Wejdan Algesadi, BDS²

Implant abutment要上torque，目前的研究是連上兩次，
不是一直上torque就會越強，可能會有反效果

20170616 ABUTMENT的材質顏色和軟組織的厚薄對於美觀的影響---FERRARI(2017)

Influence of Abutment Color and Mucosal Thickness on Soft Tissue Color

Marco Ferrari, MD, DMD, PhD¹/ Michele Carrabba, DDS, PhD²/Alessandro Vichi, DDS, MS, PhD³/
Cecilia Goracci, DDS, MS, PhD⁴/Maria Crysanti Cagidiaco, MD, DMD, PhD⁵

軟組織大於2mm的厚度，即使是金屬的abutment也是可以被遮色的

關於植牙：OVERDENTURE

20160524 IMPLANT-SUPPORTED OVERDENTURE 的ANTERIOR LINGUAL SULCOPLASTY CASE REPORT---CARVALHO(2016)

CLINICAL REPORT

Frenectomy with anterior lingual sulcoplasty for an implant-supported overdenture: A clinical report



Paulo Sergio Perri de Carvalho, DDS, PhD,^a Luiz Antonio Janjacom, DDS,^b and Daniela Ponzoni, DDS, PhD^c

下顎的implant OVD有需要時要做lingual sulcoplasty，可
以利用temp abutment去壓迫

20160605 植牙支持式全口假牙的樹脂牙更換情況分析---BALSHI(2016)

The Retread: A Definition and Retrospective Analysis of 205 Implant-Supported Fixed Prostheses

Thomas J. Balshi, DDS, PhD¹/Glenn J. Wolfinger, DMD²/Stephen G. Alfano, DDS²/Stephen F. Balshi, MBE³

平均來說，7-8年需要更換implant supported denture的樹脂牙，磨耗的速度和對咬牙有相關

20160623 比較TWO IMPLANT RETAINED OVERDENTURE使用LOCATOR或MAGNETIC對於 PERI-IMPLANT TISSUE的影響 ---ELSYAD(2016)

Locators versus magnetic attachment effect on peri-implant tissue health of immediate loaded two implants retaining a mandibular overdenture: a 1-year randomised trial

M. A. ELSYAD*, F. F. MAHANNA*, M. A. ELSHAHAT[†] & A. H. ELSHOUKOUKI*

**Removable Prosthodontics, Faculty of Dentistry, Mansoura University, Mansoura, and [†]Oral Medicine and Periodontology, Faculty of Dentistry, Mansoura University, Mansoura, Egypt*

使用locator / magnetic implant retained denture對於
peri-implant tissue沒有顯著差異

20160701 上顎IMPLANT OVERDENTURE是否有做PALATAL COVERAGE的DENTURE STRAIN比較---TAKAHASHI(2016)

Influence of Palatal Coverage and Implant Distribution on Denture Strain in Maxillary Implant Overdentures

Toshihito Takahashi, DDS, PhD¹/Tomoya Gonda, DDS, PhD²/
Akiko Tomita, DDS, PhD³/Yoko Mizuno, DDS, PhD⁴/Yoshinobu Maeda, DDS, PhD⁵

OVD沒有palate coverage的shear strain明顯較高，要加金屬去增強

20160807 PROTOCOLS OF MAXILLARY IMPLANT OVERDENTURE SYSTEMIC REVIEW---SADOWSKY(2016)

Protocols for the Maxillary Implant Overdenture: A Systematic Review

Steven J. Sadowsky, DDS¹/Nicola U. Zitzmann, DDS, PhD²

在做上顎implant OVD時候，植體要選rough surface，至少10mm，四隻以下要做splinting，越分散越好

20161105 對於不同的SOFT LINERS AND THICKNESS對於IMMEDIATELY LOADED 2 IMPLANT OVD的研究---ABD-ELWAHAB RADI(2016)

RESEARCH AND EDUCATION

Effect of two different soft liners and thicknesses mediating stress transfer for immediately loaded 2-implant supported mandibular overdentures: A finite element analysis study



Iman Abd-Elwahab Radi, MDS, PhD^a and Nesrin Elmahrouky, MSD, PhD^b

在immediate loading implant OVD上墊soft liner確實可以
減少應力

20170201 上顎IMPLANT OVERDENTURE在 PALATELESS位置加強的效果--- TAKAHASHI(2016)

Effects of Reinforcement on Denture Strain in Maxillary Implant Overdentures: An In Vitro Study Under Various Implant Configurations

Toshihito Takahashi, DDS, PhD¹/Tomoya Gonda, DDS, PhD²/Yoshinobu Maeda, DDS, PhD³

上顎的OVD做palateless，即使加金屬底板也是比不上full coverage，但是至少可以減少應力

20170322 LOCATOR ABUTMENT的高度跟 RETENTIVE VALUES的關係---SIA(2017)

RESEARCH AND EDUCATION

Effect of locator abutment height on the retentive values of pink locator attachments: An in vitro study



Priscilla Kia Suan Sia, BDS, MS,^a Radi Masri, BDS, MS, PhD,^b Carl F. Driscoll, DMD,^c and Elaine Romberg, PhD^d

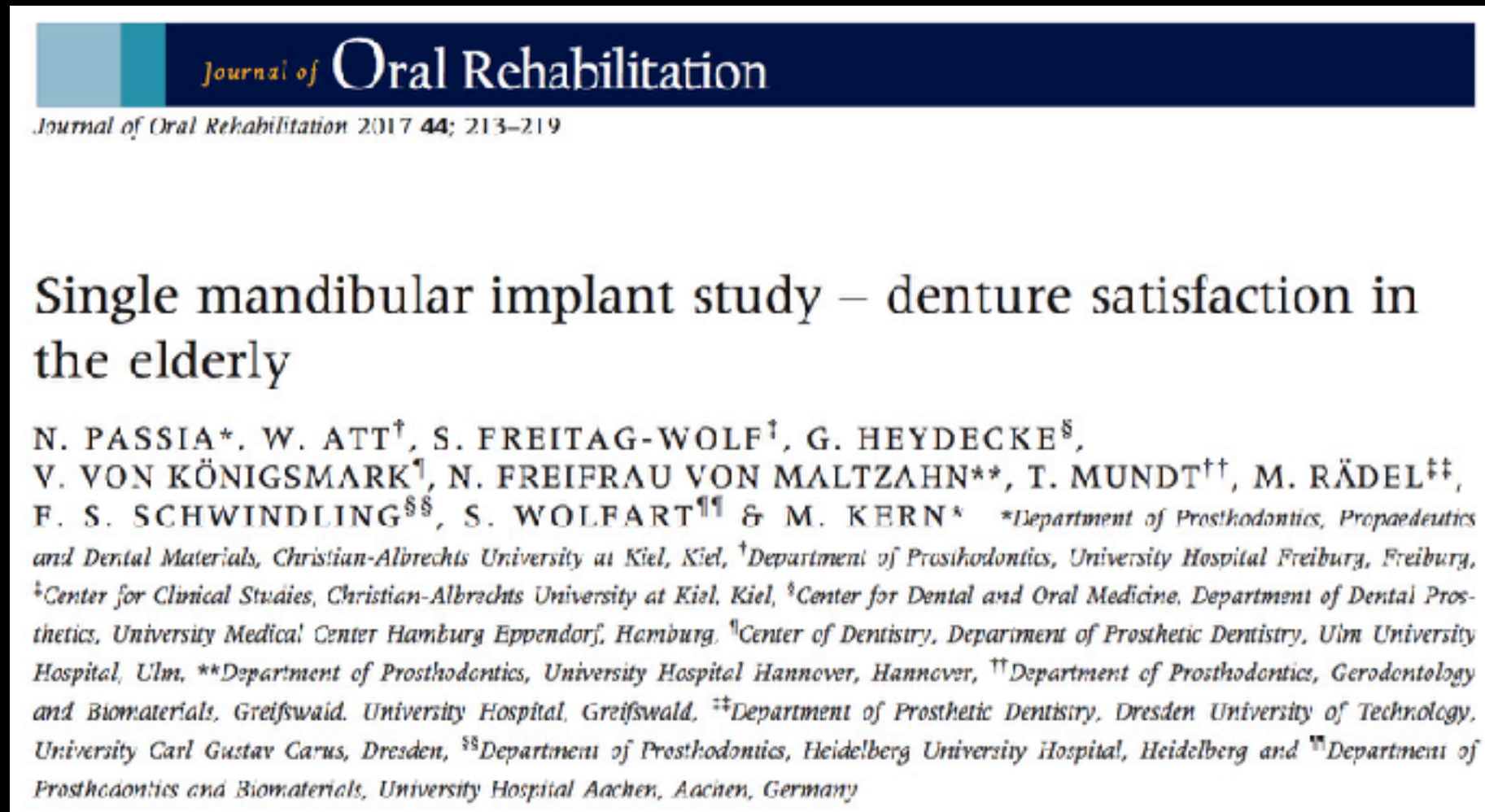
Locator abutment不需要選太長的，臨床上能短則短，比較不會卡住

20170421 下顎IMPLANT數量與IMPLANT OVERDENTURE MOVEMENT的關係--- ODA(2017)



下顎implant OVD到底要種幾隻比較好，要看醫師自己的經驗來決定

20170518 下顎全口假牙使用單顆植體的滿意度研究---PASSIA(2017)



下顎implant OVD種1隻是可行的

關於植牙：其他相關

20160426 有無植牙和患者的死亡率之關係---JEMT(2015)

Patterns of Mortality in Patients Treated with Dental Implants: A Comparison of Patient Age Groups and Corresponding Reference Populations

Torsten Jemt, DDS, Odont Dr, PhD^{a,b}/Jan Kowar, DDS^b/
Mats Nilsson, PhD^c/Victoria Stenport, DDS, Odont Dr/PhD^{b,d}

超過70歲有植牙的患者的死亡率有下降，70歲之前有無植牙沒有統計上差異

20160704 在清理植體時使用牙線的 風險性---MONTEVECCHI(2016)

Is Implant Flossing a Risk-Free Procedure? A Case Report with a 6-year Follow-up

Marco Montevercchi, DDS¹/Veronica De Blasi, DDS²/Luigi Checchi, MD, DDS³

小心超級牙線的sponge可能會卡在sulcus裡面

20160727 在拆除IMPLANT PFM CROWN時傳導的熱度是否會傷害植體的骨整合---CAKAN(2016)

During Removal of Metal Copings Cemented onto Titanium Abutments

Umut Cakan, DDS, PhD¹/Murat Cakan, PhD²/Cagri Delilbasi, DDS, PhD³

適當的噴水之下，拆除implant PFM crown是安全的

20160809 植體的OSSEOPERCEPTION SYSTEMIC REVIEW---MISHRA(2016)

Osseoperception in Dental Implants: A Systematic Review

Sunil Kumar Mishra, MDS,¹ Ramesh Chowdhary, MDS,² Bruno Ramos Chrcanovic, DDS, MSc,³ & Per-Ingvar Brånemark, MD, PhD⁴

¹Department of Maxillofacial Prosthodontics and Implantology, Peoples Dental Academy, Bhopal, India

²Department of Prosthodontics and Maxillofacial Implantology, Rajarajeshwari Dental College and Hospital, Bangalore, India

³Department of Prosthodontics, Faculty of Odontology Malmö University, Malmö, Sweden

⁴Brånemark Osseointegration Centre, Mölndal, Sweden

到底植牙咀嚼有沒有回饋的感覺？大部分的文章是支持有回饋感的，但沒有證據

20161030 SCREW-ACCESS CHANNELS對於 CERAMIC IMPLANT-SUPPORTED CROWN的 FRACTURE RATE影響---HUSSIEN(2016)

RESEARCH AND EDUCATION

Effect of screw-access channels on the fracture resistance of 3 types of ceramic implant-supported crowns

Ahmed Naguib M. Hussien, BDS, MSc, PhD,^a Mohammad M. Rayyan, BDS, MSc, PhD,^b
Nagwa M. Sayed, BDS, MSc, PhD,^c Lucette G. Segaan, BDS, MSc, PhD,^d
Charles J. Goodacre, DDS, MSD,^e and Mathew T. Kattadiyil, BDS, MDS, MS^f

有沒有在implant crown上打screw hole對fracture
resistance沒有差異，但使用monolithic zirconia效果較好

20170111 在IRRADIATED PATIENT的患者植牙的SYSTEMIC REVIEW---NOBREGA(2016)

SYSTEMATIC REVIEW

Irradiated patients and survival rate of dental implants: A systematic review and meta-analysis



Adhara Smith Nobrega, DDS,^a Joel Ferreira Santiago, Jr, DDS,^b Daniel Augusto de Faria Almeida, DDS,^c Daniela Micheline dos Santos, DDS,^d Eduardo Piza Pellizzer, DDS,^e and Marcelo Coelho Goiato, DDS^f

在做過放射線治療的患者，整體植牙成功率有八成，但是
仍要審慎的評估

20170405 300 MOST-CITED ARTICLES IN IMPLANT DENTISTRY---ALARCON(2017)

The 300 Most-Cited Articles in Implant Dentistry

Marco Antonio Alarcón, MSc, DDS¹/Diana Esparza, DDS²/Carmen Montoya, DDS³/
Alberto Monje, DDS, MS⁴/Clovis Mariano Faggion Jr, Dr med dent habil, DDS⁵

最常被引用的植牙文章，前幾名是在講成功率和GBR

20170504 利用透明的BITE MATERIAL快速製作RADIOGRAPHIC STENT---LEE(2017)

TIPS FROM OUR READERS

A modified method for fabricating a radiographic stent with transparent occlusal registration material for implant placement

Jung-Jin Lee, DDS, MSD^a and Jae-Min Seo, DDS, MSD^b

Clear bite可以用來快速製作簡單的radiographic guide

謝謝聆聽，請多指教

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