



# Screw-Retained Denture

(CAD/CAM Ti Bar / Acrylic Hybrid)

Implant Level Restoration

3

## ■ First Appointment

### – Preliminary Impressions

- ☐ Utilizing a stock tray, take a preliminary impression, including the palate and vestibules (Fig. 1 and 2). This impression should be made at the implant level, as it will be used to fabricate an implant verification jig and a custom tray for an open-tray impression technique.
- ☐ Remove the healing abutments from the implants and seat impression copings (take a PA to verify seatings).
- ☐ Take an implant level impression, including palate and vestibules, using a stock tray.
- ☐ Take an impression of opposing dentition as well as the denture to be replaced.
- ☐ Remove impression copings and replace the healing abutments.
- ☐ Send in the impressions with your lab Rx.

*Note: if due to the implant inclinations, or if there is excessive soft tissue thickness, abutments may be required (please see the Screw-Retained Denture Abutment Level Restoration instructions).*

## ■ Second Appointment

### – Jaw Relation Records and Shade Selection

- ☐ To ensure a passive fit of your custom-milled framework, it is vital to obtain an accurate final impression. You will receive a bite block.

#### Jaw Relation Records

- ☐ Remove the healing abutments. Seat the bite block on the implants and tighten the cylinder screws (Fig. 3).
- ☐ With the patient sitting up, use conventional denture technique to achieve accurate jaw relation records.

- a. For maxillary cases, shape the rim for lip contour – place a small amount of vaseline on the labial aspect of the wax rim and confirm.
- b. With the patient facing toward you, mark the midline, high lip line and corners of the mouth in the wax rim. Move the central incisors as necessary. From a profile view, evaluate the mid-face support.

- c. Determine centric relation and (record passively) the vertical dimension of occlusion (VDO).

*Note: The patient's existing denture should be evaluated and can be utilized as a benchmark in determining the new VDO. Please see wax rim checklist enclosed with case.*

- i. Place a dot with indelible marker on the tip of the patient's nose and chin.
- ii. Have the patient lick their lips, swallow, then relax their jaw. Measure the distance between the two dots. Repeat this procedure 3-4 times until you obtain a consistent vertical dimension of rest measurement (VDR).
- iii. Have the patient bite together gently. The measurement should be approximately 3 mm less than the vertical measurement at rest. Adjust the rims, if necessary, so they meet evenly.
- iv. There should be a 2-4 mm speaking space between the rims when the patient pronounces "s" sounds (e.g., Mississippi, sixty, sixty-one, etc.). The incisal edges of the maxillary central incisors should tightly touch the top of the lower lip during "t" sounds (e.g., forty, forty-one, etc.).



Fig. 1 & 2 Preliminary implant level impression

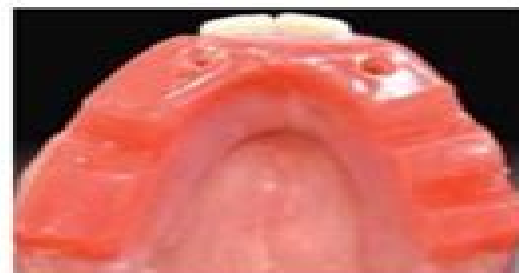


Fig. 3 Seat screw-retained block

# Read Screw Retained Implant Level

**A Gutmann**



## **Read Screw Retained Implant Level:**

The Human Microbiota in Periodontitis Julien Santi-Rocca, Marcia Pinto Alves Mayer, Marcela Hernández, 2022-06-02

*Clinical Implantology* Ajay Vikram Singh, 2013-01-23 The book primarily written keeping in mind fresher as well as experienced implant dentists provides all the new and relevant information of basic to advanced implantology for the undergraduate as well as postgraduate dental students Current concepts of implantology are beautifully presented with illustrations and clinical cases making this book a complete literature for the dentists to learn the basic science and various advanced techniques of implantology like sinus grafting nasal floor grafting block grafting ridge splitting distraction osteogenesis soft tissue grafting all on 4 all on 6 techniques and many more Consists of 24 chapters with more than 3000 illustrations including hundreds of clinical cases Provides step by step guidelines for implantology techniques Describes concepts under introduction indications contraindications advantages disadvantages step by step technique key points and summary headings Covers basic to advanced techniques with high quality clinical photographs and line illustrations Shares expertise of contributors from across the globe A useful reference for dental students practitioners and experienced implantologists

Evidence-based Implant Treatment Planning and Clinical Protocols Steven J. Sadowsky, 2017-01-17 Evidence based Implant Treatment Planning and Clinical Protocols provides a systematic approach to making treatment decisions and performing restorative procedures Offers a clinically relevant resource grounded in the latest research Applies an evidence based approach to all aspects of implant dentistry including maxillofacial prosthodontics from planning to surgery and restoration Describes procedures in detail with accompanying images Covers all stages of treatment from planning to execution Includes access to a companion website with video clips demonstrating procedures and the figures from the book in PowerPoint

Saving Dental Implants Georgios E. Romanos, 2024-05-29 Comprehensive multidisciplinary approach to all aspects of dental implant maintenance based on treatment outcomes Saving Dental Implants offers a complete reference to all factors in long term success in dental implants Taking an interdisciplinary approach each chapter is written by leading experts in the field The book examines treatment outcomes provides advice on how to manage implants for long term success and supports clinicians in avoiding and managing peri implant complications The text presents global treatment approaches and concepts established philosophies in practice for the last 20 years and also looks to possible future management strategies Designed to help clinicians apply the concepts in practice the text also covers the pros and cons of implant therapy and the specifics of pre implant diagnostics treatment methodology prosthetic concepts and further maintenance visits Featuring hundreds of high quality color photographs to support the text Saving Dental Implants covers topics such as The anatomic features of peri implant tissues including clinical and histological information and an evaluation of the studies using different implant systems and prosthetic concepts Diagnostic tools and procedures to make the proper diagnosis of peri implant conditions and microbiota of the peri implant tissues and diagnostic opportunities for bacterial

diagnosis Nanoparticles found in the peri implant tissues from the implant placement their loading and their impact on peri implant diseases The significance applications and limitations of bone grafting techniques to optimize the shape of the alveolar ridge New technologies for better treatment of peri implant complications Examining the most current information and research on diagnosing preventing and managing peri implant complications Saving Dental Implants is a must have practical reference for dental practitioners specialists and students who wish to help patients reach the best functional and esthetic outcomes

**Journal of Prosthodontics on Complex Restorations** Nadim Z. Baba,David L. Guichet,2016-09-13 Journal of Prosthodontics on Complex Restorations compiles 34 of the journal s best articles discussing complex restorative dental challenges collecting notable works on the subject Presents a curated list of the best peer reviewed articles on complex restorations from the pages of Journal of Prosthodontics Covers management of maxillofacial defects using CAD CAM technology tooth wear congenital disorders orthodontic prosthodontic patients patients with surgical and maxillofacial challenges and completely edentulous patients using new ceramic material Offers a mix of clinical reports research articles and reviews

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*The International Journal of Oral & Maxillofacial Implants* ,2002 *Dental Economics* ,2005 **Risk, Reliability and Safety: Innovating Theory and Practice** Lesley Walls,Matthew Revie,Tim Bedford,2016-11-25 Risk Reliability and Safety contains papers describing innovations in theory and practice contributed to the scientific programme of the European Safety and Reliability conference ESREL 2016 held at the University of Strathclyde in Glasgow Scotland 25 29 September 2016 Authors include scientists academics practitioners

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**Making Good** Martin Wright,2008 The author argues that neither the conservative idea of deterrence nor the liberal ideal of rehabilitation has worked In their place he proposes the basis for a radical but practical philosophy which places the emphasis on the offender making amends to the victim and to society for the damaged cause The original edition published in 1982 was one of the books that paved the way for the restorative justice movement

**Smart Spending on Your Teeth- the Smart Series** Allen Nazeri,2012-08-07 The information in this book has helped me and my husband to save thousands of dollars in major dental work This information is highly recommended for anyone considering any major dental treatment S Brown Palm Desert CA I am so happy to receive all this information prior to my commitment to of nearly 20 000 to a dentist that I don t know well The book has given me the tools to ask the right questions Thank You R Lem Los Angeles CA I had no idea that my sleep apnea was related to my bite No dentist or physician ever gave me this information I think I will buy an extra copy of this book for my doctor so he can help other patients The information in this book has saved my life God bless you P Brown Newport Beach CA

Medical Record George Frederick Shrady,Thomas Lathrop Stedman,1897 Journal of the Canadian Dental Association Canadian Dental Association,1994 Medical record

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**Combustion** ,1955

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