



Controlling Esthetic and Functional Parameters 3-Dimensionally

CONTROLLING ESTHETIC AND FUNCTIONAL PARAMETERS 3-Dimensionally

For Endosseous Cylindrical
Implant Treatment

THINK 3-D

3-D IMPLANT CASE CONTROL

• **CASE PLANNING:**

- 3-D Diagnostics
- Visualization → Conceptualization

• **SURGICAL CONTROL:**

- 3D-Guides
- Surgical Indexing

• **RESTORATIVE CONTROL:**

- 3-D Abutments
- Force Analysis

3-D IMPLANT ESTHETIC/ FUNCTIONAL CONTROL



3-D CONTROL: KEY POINTS

- Digital Photography, Tomography
- Precision Surgical Guides
- Surgical Impression Indexing
- Resin Abutment Module
- Contemporary Force Analysis

WHY 3-D DIAGNOSTICS?

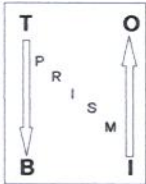
• The Good...

• The Bad...

• The Ugly...

- What Shows?
- What's Available?
- What's Needed?
- How to get there?
- Who can do it?
- Patient Understanding?

3-D TREATMENT PLANNING



- ? Tissue Architecture – Q & Q
- ? Tissue Grafting, Modelling
- ? Surgical Technique, Precision, Sequence
- ? Implant Design, Position
- ? Abutment Design, Connection
- ? Materials, Shade Matching
- ? Case Convertibility
- ? Force Analysis

Health
Stability
Esthetics

3-D CONTROL WITH SURGICAL GUIDES

- **Laboratory fabricated with 3-D conception**
- **3-D Position**
 - > Height Width Depth
 - > Anatomic Safety
 - > Optimum Support
 - > Interarch Spacing
 - > Inter "root" Spacing
 - > Implant Choice
 - > Platform Choices
 - > Biologic maintenance
 - > Esthetics

3-D TREATMENT CONTROL: CAD-CAM SURGICAL GUIDES

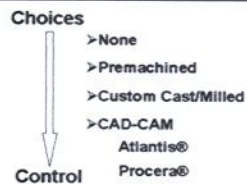
- **Simplant®**
- **Nobel Guide®**

3-D TREATMENT CONTROL: SURGICAL IMPRESSION INDEX

- **TRANSFER:**
- Relative Soft Tissue Architecture
- Implant 3-D Position
- Adjacent Teeth and Occlusion

3-D CONTROL WITH IMPLANT ABUTMENTS

- > Design
- > Timing
- > Material
- > Retention
- > Emergence
- > Esthetics
- > Provisionalization
- > Maintenance



3-D CONTROL: RESIN ABUTMENT MODULE

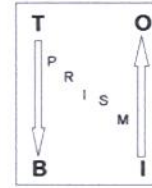
- **Allows Control**
- gingival emergence, compression, contour
- height, architecture, retention, material
- immediate provisionalization options
- CAD/CAM duplication, crown coping

3-D CONTROL OF FUNCTIONAL FORCES

- BONE DENSITY EVALUATION
- VECTOR ANALYSIS
- OCCLUSAL ASSESSMENT
 - Blue Mousse®
 - Tekscan Analysis ®

3-D TREATMENT CONTROL OF ESTHETICS AND FUNCTIONAL PARAMETER - IMPLANTS

- ✓ Think 3 D
- ✓ 3D Diagnostics
- ✓ 3D Treatment Plan
- ✓ 3D Surgical Guide
- ✓ 3D Surgical Index
- ✓ Resin Abutment Module
- ✓ 3D Force Analysis



3-D TREATMENT CONTROL OF ESTHETICS AND FUNCTIONAL PARAMETER - IMPLANTS

UPCOMING COURSES IN 2006

*“The Core Principles of Implant Dentistry-
the building blocks of a successful
practice”*

Kenneth Hebel, B.Sc., D.D.S., M.Sc.
Certified Prosthodontist

Friday September 15, 2006
Sheraton Tara Hotel
South Portland, ME 04106

UPCOMING COURSES IN 2006

*“Porcelain Skills for the
Clinical Dentist” (hands-on)*

Daniel J. Armstrong D.M.D.
Jon Basile Ceramist

October 2006
Esthetic Dentistry of Maine
192 Western Ave
South Portland, ME