The Dento-Facial Esthetic Diagnosis System…
How to Achieve Consistently Beautiful Smiles, not just Beautiful Teeth!
Jose-Luis Ruiz DDS, FAGD

The Value of a Smile
Ruiz JL The Psychology of the Smile Journal of Cosmetic Dentistry December 2003

Emotional Effect of a Damage Smile

What is True Success with Esthetic Dentistry?
- Patient Satisfaction
- Excellent Esthetic/Restorative Results
- Longevity

Achieving consistent patient satisfaction requires excellent communication with the patient, to understand their unique esthetic perspective and goals and then implement a system, to record this information and blend it with our own esthetic preferences and goals.
Ruiz JL. DFD Achieving predictable beautiful smiles using a dento-facial esthetic diagnosis system. Compendium 2007; (28) 1: 546-550

Objective
- Understand Smile Design and the 25 Dento-Facial esthetic principles.
- To understand how the assess the patient’s goals and esthetic preferences with our restorative goals and esthetic principles.
- Review a Systematic Approach to Team Driven diagnosis and treatment planning and treatment acceptance.

Team Driven Diagnosis
Systematic Approach to Communication and Data Gathering

Initial Visit, Communicating Excellence
RELATIONSHIP

Initial Records & Exam

Dentists Exam
• Dental history
• Health history
• Oral examination (including oral camera)
• Presentation of Initial findings
• Introduction to Full Records & Second Consult

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**J. LUIS RUIZ, DDS & ASSOCIATES, INC.**

**DENTAL HISTORY FORM**

**PATIENT NAME:**

(PREFERRED):

**DATE:**

Please describe the primary reason for your visit (concerns):

1. ________________________________________________________________

2. ________________________________________________________________

3. ________________________________________________________________

4. How long has this been going on and what would you like done?

_________________________________________________________________

_________________________________________________________________

5. If you could rate your smile from 1 - 10, what would it be?

_________________________________________________________________

6. Would you like to improve your smile? Y N How?

_________________________________________________________________

Have you ever suffered from, or been told you may have any of the following?

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**DOCTOR’S NOTES:**

_________________________________________________________________

Presentation of Initial Findings

_________________________________________________________________

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**Record for DFED System**

Perio Charting
Panorex
FMX
Patient records forms
Photos
Face bow mounted cast
MIP or CR Bite

**DFD Esthetic Photographic Series**

11 Photos
2 Face
4 Non-retracted Close ups
3 Retracted Close ups
2 Occlusal
The DFD form, uses drawings of the photographs to systematically assess the 25 parameters:

Ruiz JL. A systematic approach to dento-facial smile evaluation using digital photography and a new photographic view. Dentistry Today 2006 Vol 25 No 4; 82-

### Dento-Facial Esthetic Diagnosis System

1. **Occlusal Plane:**

2. **Midline:**
3. Facial Symmetry:

4. Lip Position:

5. Facial Lateral Thirds:

6. Tooth Show (Smile):

7. Bucal Corridor:

8. Gingival Show:

9. Incisal Plane:

10. Incisal Plane T Lip:

11. Conversational TS:

**GROUP ESTHETICS**

12. Axial Incline:

13. Rotation:

14. Crowd/Space:

15. Embrasure:

16. US Inclination:

17. Esthetic Zone:

18. Over jet/ Overbite:
19. Lateral Occlusal Plane:

**GINGIVAL ESTHETICS**

20. Papilla:

21. Gingival Symmetry:

22. Gingival Biotype:

**TOOTH ESTHETICS**

23. Shade:

24. Shape/Style:

25. Ratio:

Using the Form To Predictably Reproduce Smile Design with Wax-up

Steps for Predictable Execution Using DED System

- Communication with patient
- Design
- Wax up & transfer in to the prototype provisionals
- 1 week provisional restoration approval visit, alterations need to be made until patient is satisfied
- Reproduce in to Porcelain
• Confirm lab's accurate reproduction
• Psychological management


**How to Insure Longevity?**

**Occlusal Disease Management System**

**Ruiz JL. Achieving Longevity in Esthetics by Proper Diagnosis and Management of “Occlusal Disease”. 2007 Contemporary Esthetics Vol 11 (6); 24-30**

**“Occlusal Disease Diagnosis System”**

• Stage 1 Initial Occlusal Evaluation (all patients)
• Stage 2 Occlusal and TMJ Examination (as needed and accepted by patients)
• Stage 3 TMJ Examination or Referral to local expert

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**7 Signs and Symptoms of Occlusal Disease**

• **Pathological tooth wear, chipping or fractures**

• **Tooth hypersensitivity**

• **Tooth hypermobility**

• Fremitus
• Abfractions

• Severe localized bone destruction (secondary to periodontal disease)
Harrel SK, Nunn ME, Hallmon WW. Is there an association between occlusion…Yes, occlusal forces can contribute to periodontal destruction. JADA; 2006; 137 (10): 1380-1392

• Muscle pain and TMJ pain.
• T Gremillion HA. The relationship between occlusion and TMD: An evident-based discussion.
• J Evid Dent Pract 2006;6:43-47

The 3 Golden Rules Of Occlusion

1. Bilateral even contacts.
2. Posterior disclusion (anterior guidance & canine rise).
3. Unobstructed envelop of function.

The Ultimate Goal!
1. Why Even Contacts?

2 a. Why Anterior Guidance?
2 b. Why Canine Guidance?

3. Envelop of Function?
Dawson PE. Evaluation, Diagnosis and Treatemnet of Occlusal Problems. 1989 Mosby

Conclusions:

Thank You

LA Institute Occlusal Philosophy

- **Occlusal Disease is far more than TMD or Pain**
- **Occlusal Diagnosis must be practical if we are going to do it routinely**
- “**Ideal Dentistry**” is an illusion & leads to over treatment so There must be a realistic and definable end point for occlusal treatment, and it can’t be perfection
• Correcting occlusal disharmony should not be more destructive than the disease itself
• Occlusal treatment doesn’t require expensive instrumentation

Thank You

Dr. Jose-Luis Ruiz DDS
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