

TOPICS



- Introduction and Scope
- Concepts derived from conventional restorative dental medicine, including diagnostic mock-ups
- Selected elements of the 14-item esthetic checklist
- Conclusions & perspectives



PROMOTE AND MAINTAIN...





... HEALTHY PERI-IMPLANT TISSUES

> Make the Artificial Look Natural



> Create Optical Illusions (D. Garber)

Periimplant Tissue Health, No Open Embrasures, HarmoniousLy Scalloped & Convex Soft Tissue Contours, Balanced Relative Tooth Dimensions (Length To Width Ratio)





Periimplant Tissue Health, No Open Embrasures, HarmoniousLy Scalloped & Convex Soft Tissue Contours, Balanced Relative Tooth Dimensions (Length To Width Ratio)

Implant Esthetics... ...reestablish harmonious soft tissue lines & relative tooth dimensions Implant Esthetics... ...reestablish harmonious soft tissue lines & relative tooth dimensions Implant Esthetics... ...reestablish harmonious soft tissue lines & relative tooth dimensions Esthetic Checklist 14 Fundamental objective criteria Gingival health Interdental closure III. Interdental closure III. Tooth axis V. Zenith of the gingival separate of the gingival se IX. Iodul character X. Surface texture XI. Color XII. Incisal edge configuration XIII. Lower lipline XIV. Smile symmetry







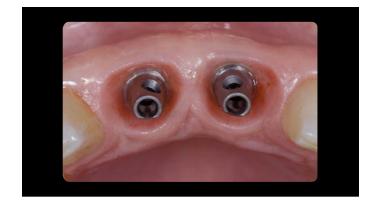
Dramatic Vertical Tissue Loss...





Two Desperate Attempts To Reestablish Harmony...









Objectives: Re-establish **harmonious conditions**, i.e. healthy, regularly scalloped soft tissue contours with convex profile, no abrupt changes in vertical tissue height, absence of open embrasures ("black triangles"), balanced relative tooth dimensions

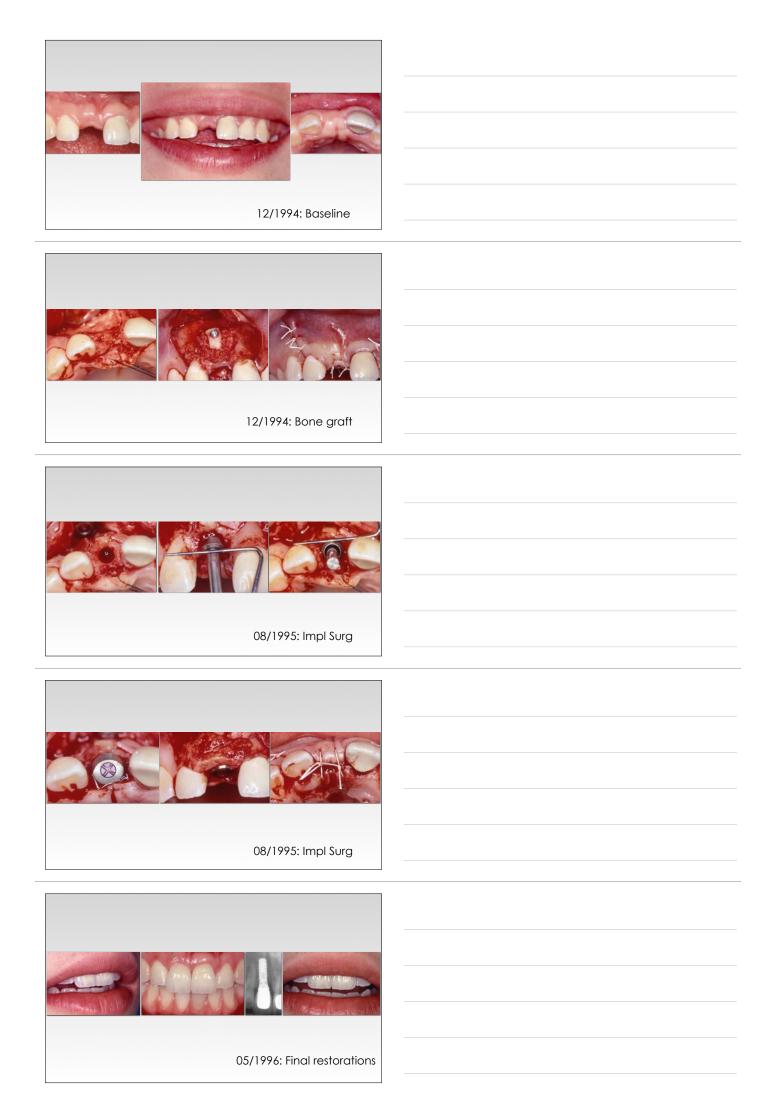


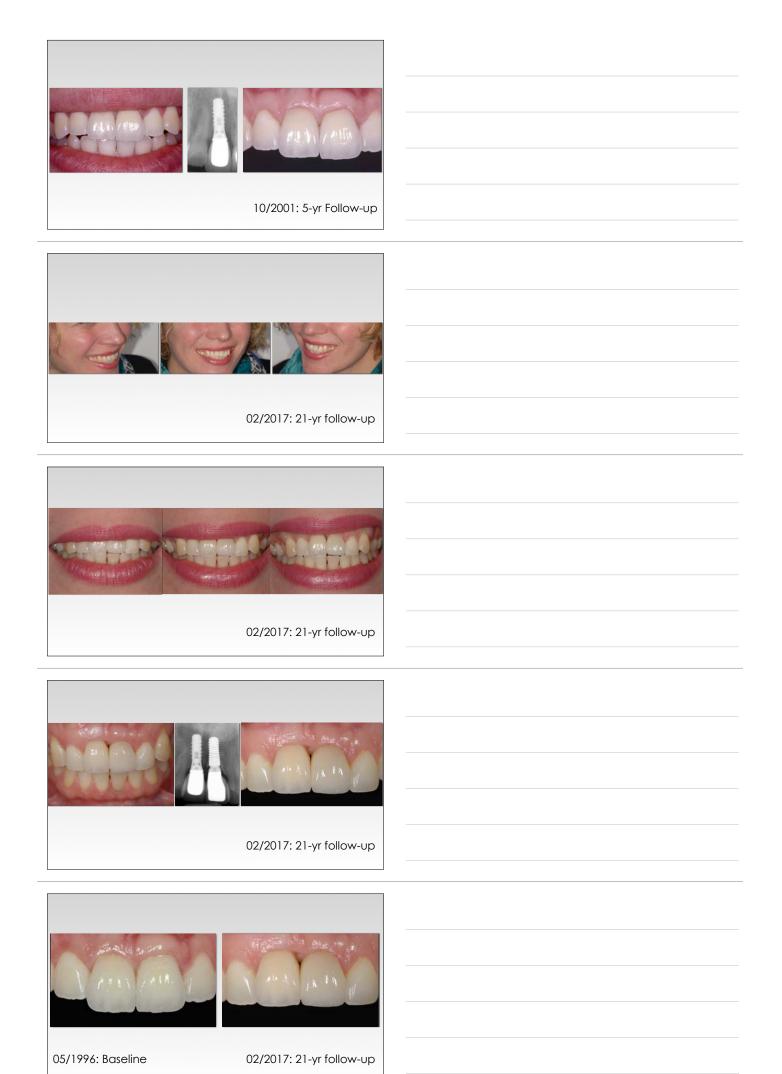


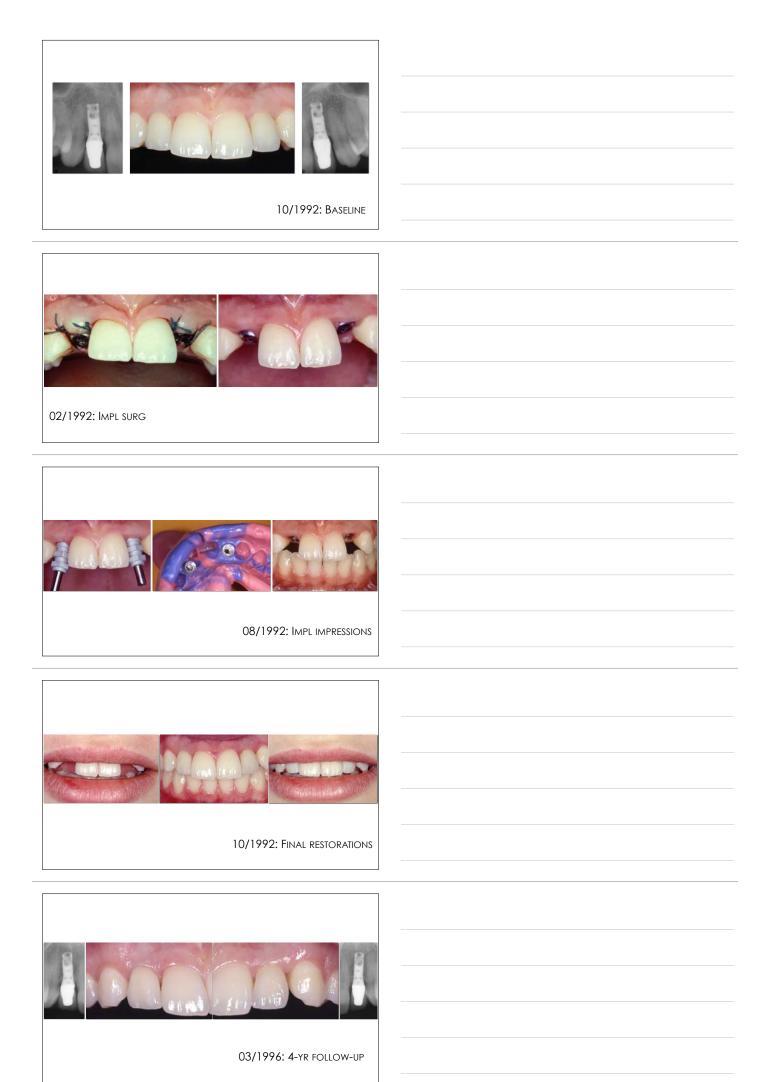


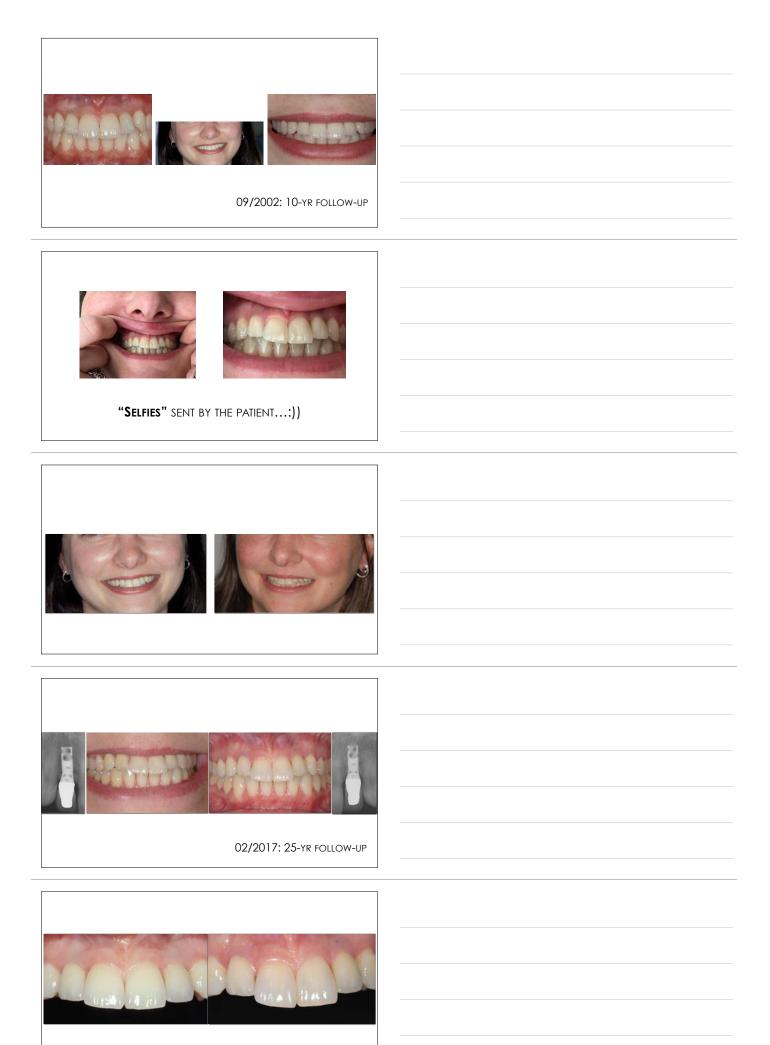






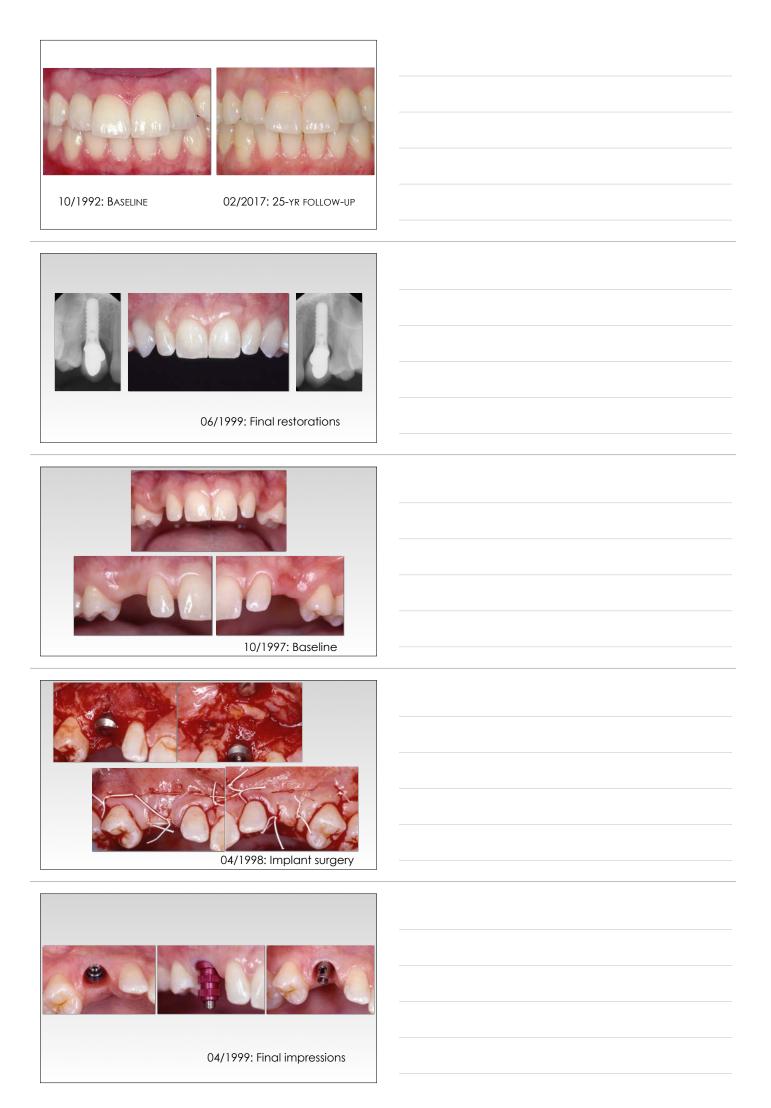






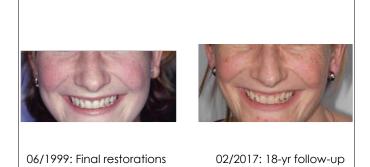
10/1992: BASELINE

02/2017: 25-YR FOLLOW-UP

















06/1999: Final restorations

02/2017: 18-yr follow-up



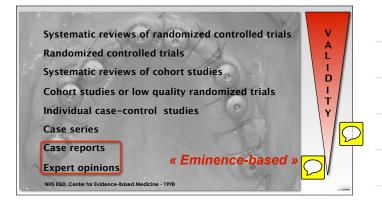
02/99: 06/99: Prov Final

02/17: 18 yrs

02/17: 18 yrs

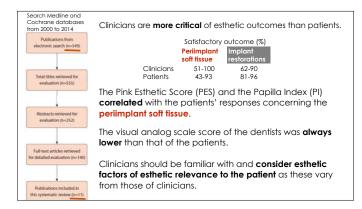
06/99: Final

02/99: Prov









Buser D, Chappuis V, Kuchler U, Bornstein MM, Withneben JC, Buser R, Cavusoglu Y, Belser UC: Long-term Stability of Early Implant Placement with Contour Augmentation. J Dent Res 92: 176S-182S, 2013

Material & Methods

- Prospective examination of 20 patients with a single tooth replacement post extraction in the esthetic zone
- Concept of early implant placement with simultaneous contour augmentation
- Clinical examinations at 1-, 3- and 6 years

 ✓ Typical peri-implant soft tissue parameters
 ✓ Bone crest level (DIB)

- PES-VES analysis

 Cast measurements for crown length (IC & TC)
 4x4 cm Cone Beam Computed Tomographies (Accuitomo,
 Morita) for the measurement of the facial bone wall thickness







Anterior maxillary implants in the light of ongoing dento-alveolar growth

The phenomenon is mostly **small in size** and appears in **less than 10%** of the patients. It is associated to the *long-face* cephalometric morphotype, and concerns esthetically primarily central incisor implants

Conceptual strategies and patient communication:

- -implants will most likely stay successful for decades
- however, implant supra-structures may need modification/ replacement after some years
- favor directly screw-retained implant restorations
- -postpone implant therapy, if reasonable alternatives are available, such as e.g. bonded restorations

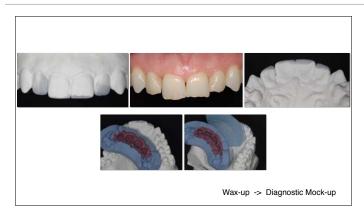
Additional clinical studies based on larger patient populations are needed to refine treatment concepts



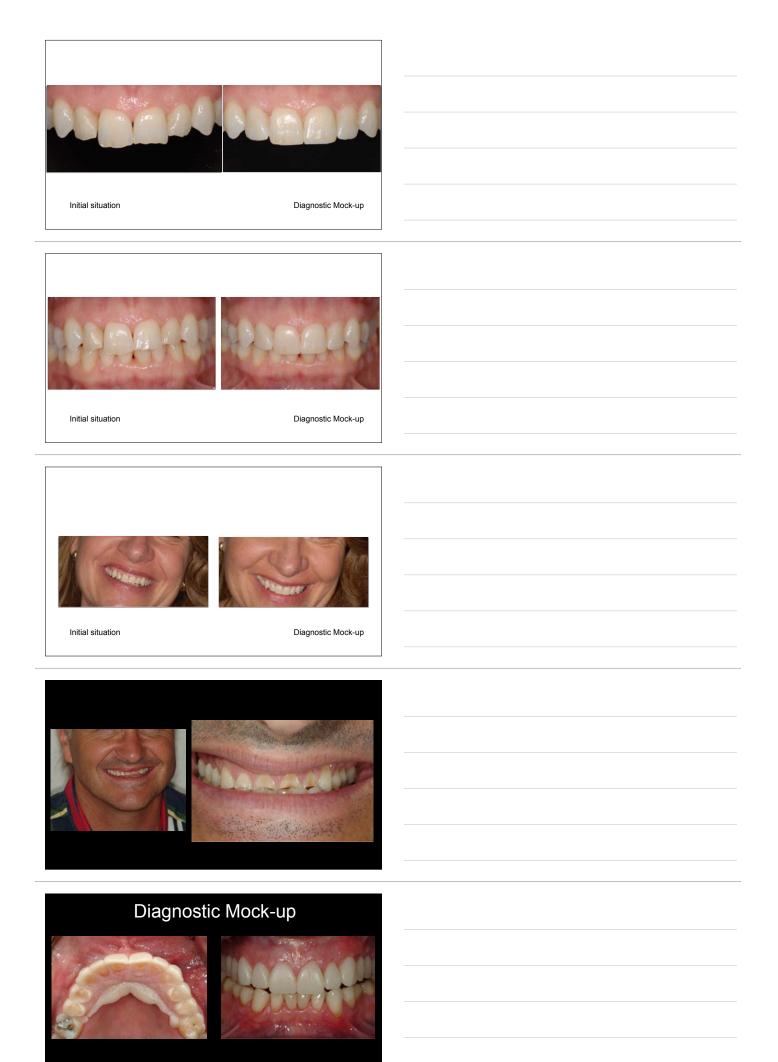














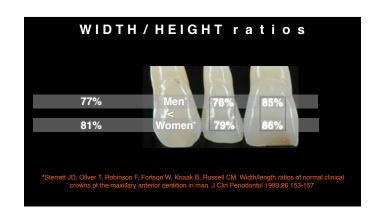


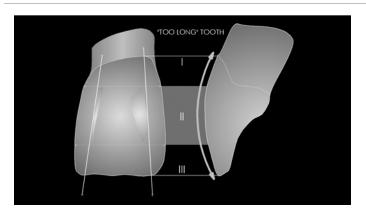
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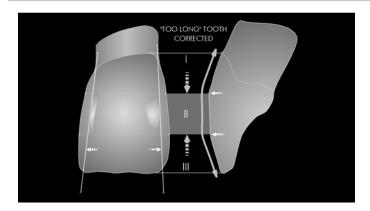
• Conclusions & perspectives

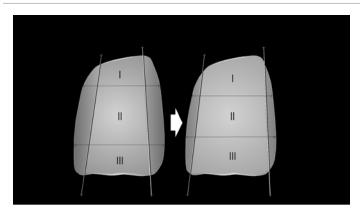
Esthetic Checklist I. Gingival health II. Interdental closure III. Tooth axis IV. Zenith of the gingival seam V. Balance of the gingival trigone VI. Level of the interdental contact VII. Relative tooth dimensions VIII. Basic features of tooth form IX. Tooth characterization X. Surface texture XI. Color XIII. Lower lipline XIV. Smile symmetry Belser 1979, Magne & Belser 2002

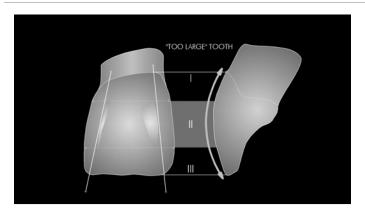




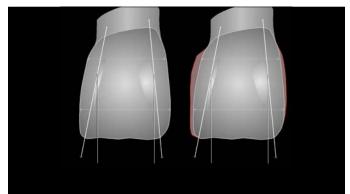








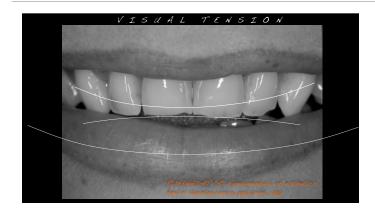




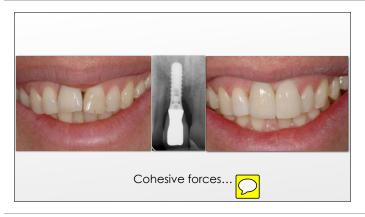












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