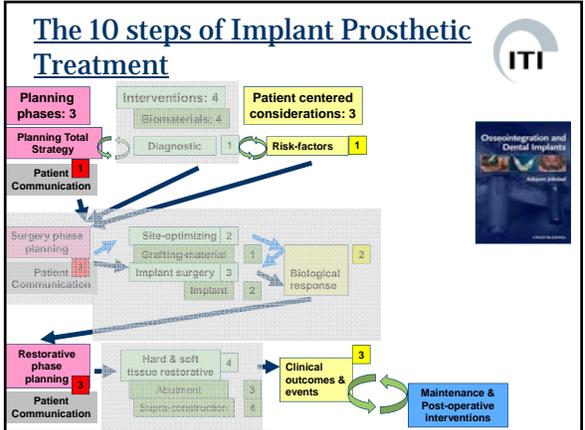


 International Team for Implantology

Early & Immediate loading of Oral Implants

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Holland Bloorview ITI Education Week
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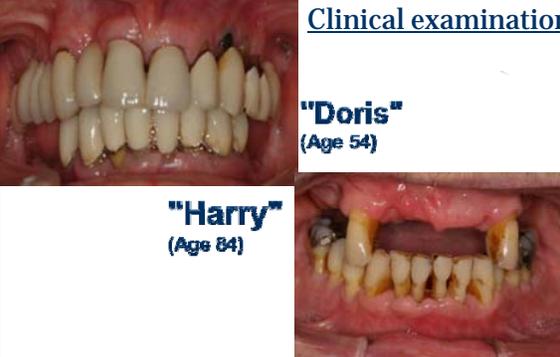


SETTING



Doris and Harry were both provided with conventional prostheses many years back. Both call you and inform that they've been advised by a periodontist that all teeth need to come out due to refractory chronic periodontitis. Appointments are booked....

Clinical examination



"Doris"
(Age 54)

"Harry"
(Age 84)

1. Planning Total Strategy → 2. Diagnostic tests → 3. Risk-factors

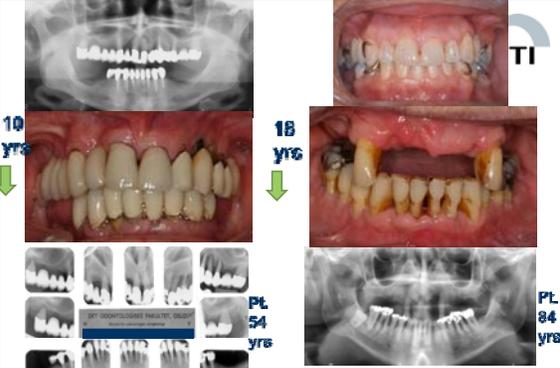
Diagnostic Tests



"Doris"
(Age 54)

"Harry"
(Age 84)

1. Planning Total Strategy → 2. Diagnostic tests → 3. Risk-factors



10 yrs → 18 yrs

Pt 54 yrs **Pt 84 yrs**

1. Planning Total Strategy → 2. Diagnostic tests → 3. Risk-factors

Provisional treatment: Extractions & interim denture

ITI

Evaluation of biological response after interim denture period before planning the surgery phase

"Doris" "Harry"

1. Planning Total Strategy → 2. Diagnostic tests → 3. Risk-factors → 5. Site optimize? (via Step 4. Surgery phase planning)

Planning for the surgery phase

"Doris": Delayed loading – One stage approach
"Harry": Immediate loading

1. Planning Total Strategy → 2. Diagnostic tests → 3. Risk-factors → 5. Site optimize? (via Step 4. Surgery phase planning)

Surgery Interventions- The surgery techniques

"Doris" (delayed loading) "Harry" (immediate loading)

Which implant system?

ITI

Planning for the Restorative phase

ITI

FIXED PROSTHESIS BASES

- Fixed bar "Mars" type (with/without occlusal support)
- Fixed bar "Mars" type (with occlusal support)
- Wide Arch bar
- Ball System (combines with all bar types)

REMOVABLE PROSTHESIS BASES

- "Paris" type bar
- Round bar
- Double bar
- Wired bar (see: Wired bar with Double "Submergence")
- Wired bar
- Hybrid bar

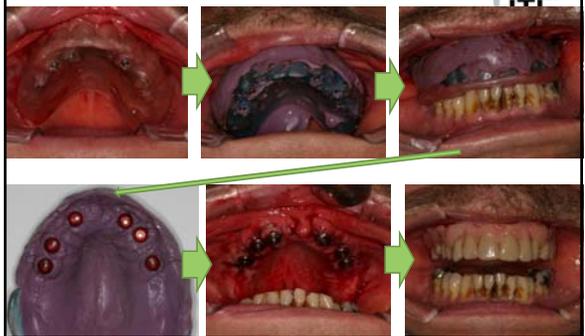
Restorative phase commencement 



"Doris" (delayed loading):
7 AstraTech implants with healing abutments

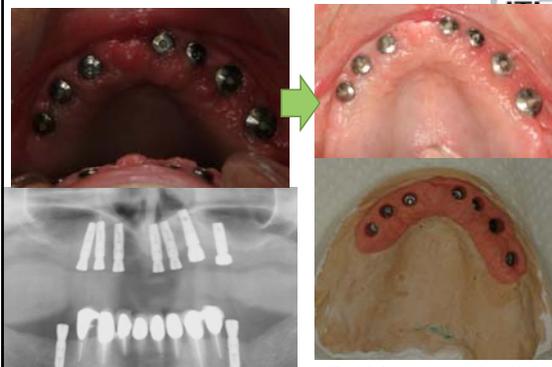
"Harry" (immediate loading):
6 Straumann implants with Open tray impression pins

Restoration of hard and soft tissues – Immediate loading 



"Harry" → immediate loading

Restoration of hard and soft tissues – delayed loading 



"Doris" → one-stage delayed loading

Restoration of hard and soft tissues – jaw relationships 



Establish vertical & horizontal relationships

Verify tooth placement, vertical & horizontal

"Doris" → one-stage delayed loading

Design&material for abutment, meso-structure and retention? 



"Doris" → one-stage delayed loading → abutments?

Restorative interventions – fabricate and fit abutment 



"Doris" → one-stage delayed loading → custom abutments

Restorative intervention - fabrication and fit of supra-structure



"Doris" → one-stage delayed loading → custom abutments → screw-retained FDP

Restorative intervention outcomes and prognosis



"Doris" → one-stage delayed loading → custom abutments → screw-retained FDP



Evaluation of the final outcome



Baseline - Edentulous	3 mths
Edentulous - Implant	6 mths
Implant - Healing	6 mths
Healing - Fabrication	2 mths

Focus on patient centered and not on surrogate criteria!:

1. Esthetics
2. Satisfaction
3. Quality of life
4. Function



Maintenance and possible follow-up interventions



- Routines
- Diagnostic protocols
 - Clinical
 - Radiographic
- Corrections of:
 - Papilla defect
 - Soft tissue correction
 - Local bone defect
 - Peri-implantitis
 - Post-sensitivity