Interdisciplinary Dentofacial Therapy

J. Mike Razza, BS, DDS, Cert Orthod
Associate Professor - Orthodontics
University of Western Australia
School of Dentistry



Dental and Dentofacial Therapies

- Unidisciplinary Therapy
- Multidisciplinary Therapy
- Interdisciplinary Therapy

Unidiciplinary Therapy

- Diagnosis
- Treatment Planning
- Therapy and Maintenance

- All provided by the same clinician



Unidiciplinary Therapy Disadvantages

- Often Yields compromised results
- Treatment plan dependent on individuals' capabilities
- May use restorative means only to address a problem
- If attempts to deliver care from a specialty area – limited skills and knowledge

Multidiciplinary Treatment



- Major advantage over Unidiciplinary
- Uses specialists in a haphazard role
- Poor communication as to where the treatment is going and when
- Rarely yields ideal results

Interdisciplinary Treatment

- Excellent communication between clinicians with several backgrounds
- Treatment plan established collectively
- Treatment leader established sequencing of activities

Interdisciplinary Dentofacial Therapy Flow Chart

Preliminary Therapy: Prelude to IDT

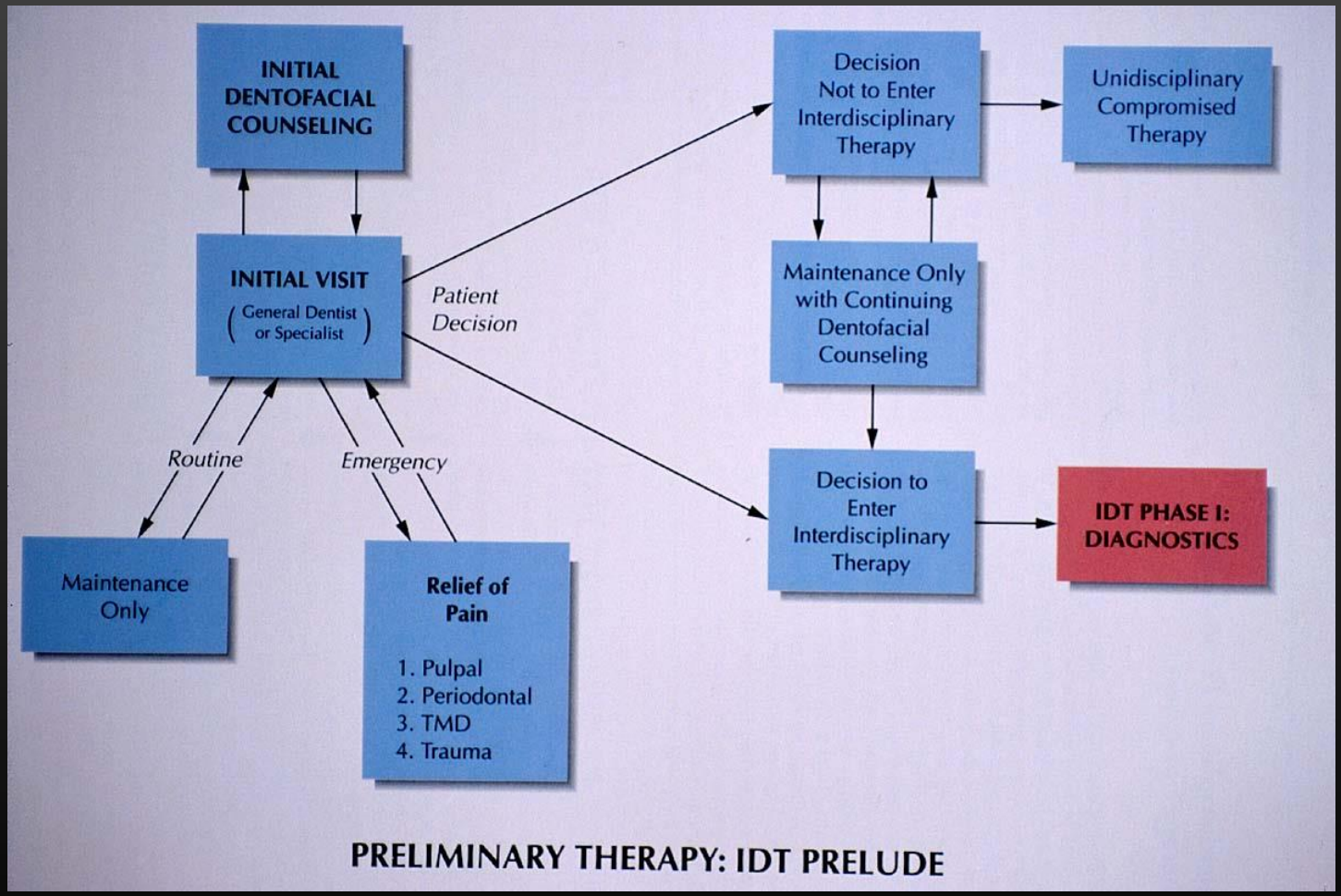
Diagnostics: Phase I of IDT

Treatment Planning: Phase II of IDT

Definitive Therapy: Phase III of IDT

Maintenance: Phase IV of IDT

Preliminary Therapy: Prelude to IDT

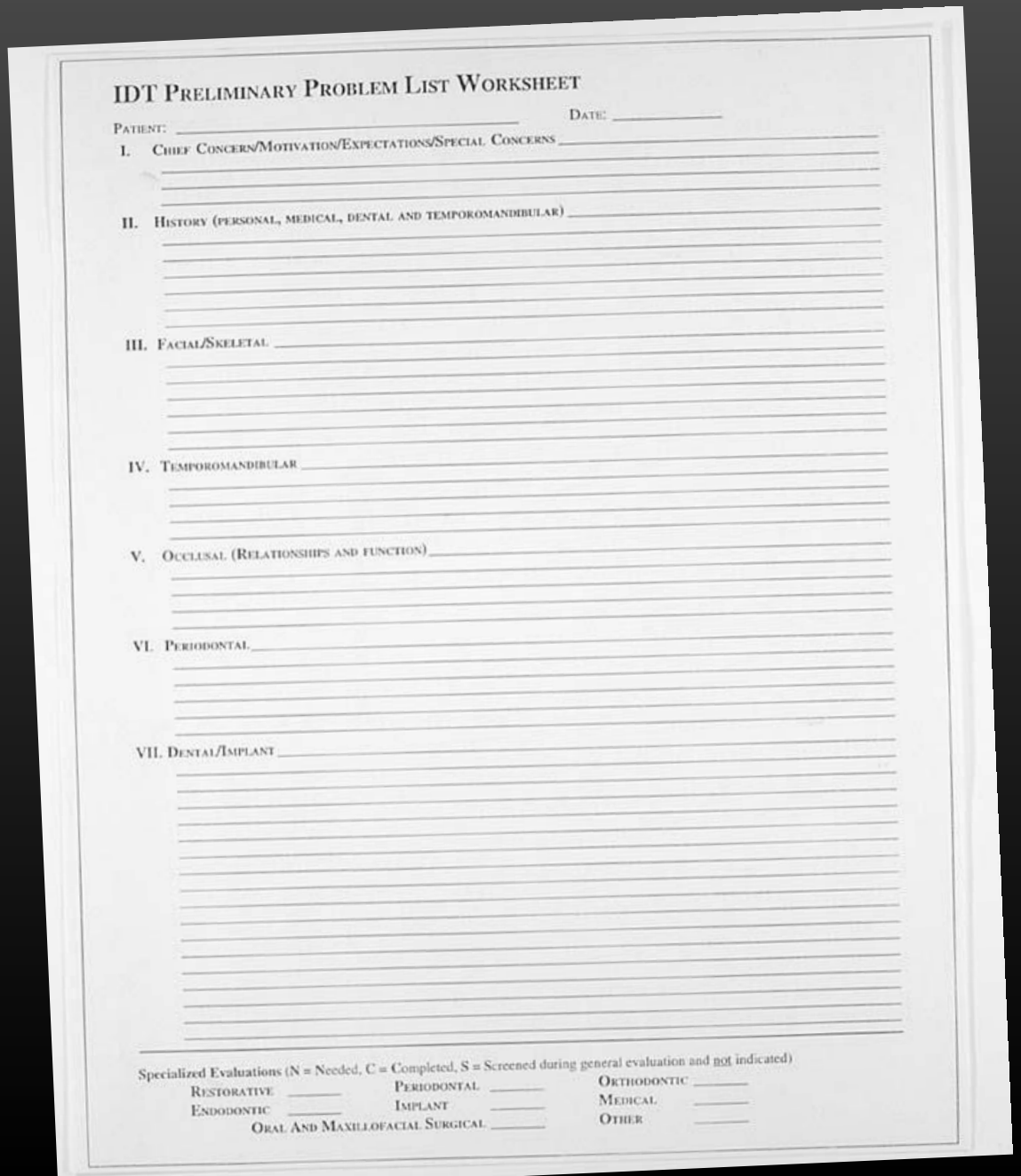


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Diagnostics Phase I of IDT

- General Dentofacial Evaluation
  - Patient History
  - Clinical Examination
  - Analysis of Diagnostic Records

Diagnostics Phase I of IDT



IDT Preliminary Problem List Worksheet

Patient: _____ Date: _____

I. Chief Concern/Motivation/Expectations/Special Concerns _____

II. History (personal, medical, dental and temporomandibular) _____

III. Facial/Skeletal _____

IV. Temporomandibular _____

V. Occlusal (Relationships and function) _____

VI. Periodontal _____

VII. Dental/Implant _____

Specialized Evaluations (N = Needed, C = Completed, S = Screened during general evaluation and not indicated)

Restorative _____ Periodontal _____ Orthodontic _____

Endodontic _____ Implant _____ Medical _____

Oral and Maxillofacial Surgical _____ Other _____

Preliminary

- Preliminary Database
- Preliminary Problem List
- Preliminary Treatment Plan(s)

Interdisciplinary Team Selection

Preliminary Patient Conference

- Referrals to Team Members

Specialized Evaluation

Prosthodontist
Restorative Dentist
Periodontist
Orthodontist
Oral and Maxillofacial Surgeon
Endodontist
Craniofacial Pain Specialist
Paediatric Dentist
Physician
Lab Technician
Psychiatrist
ENT Specialist
Plastic Surgeon

Unidisciplinary Databases

Initial Therapy

- Periodontal
- Pulpal
- TMD
- Psychological
- Systemic Diseases

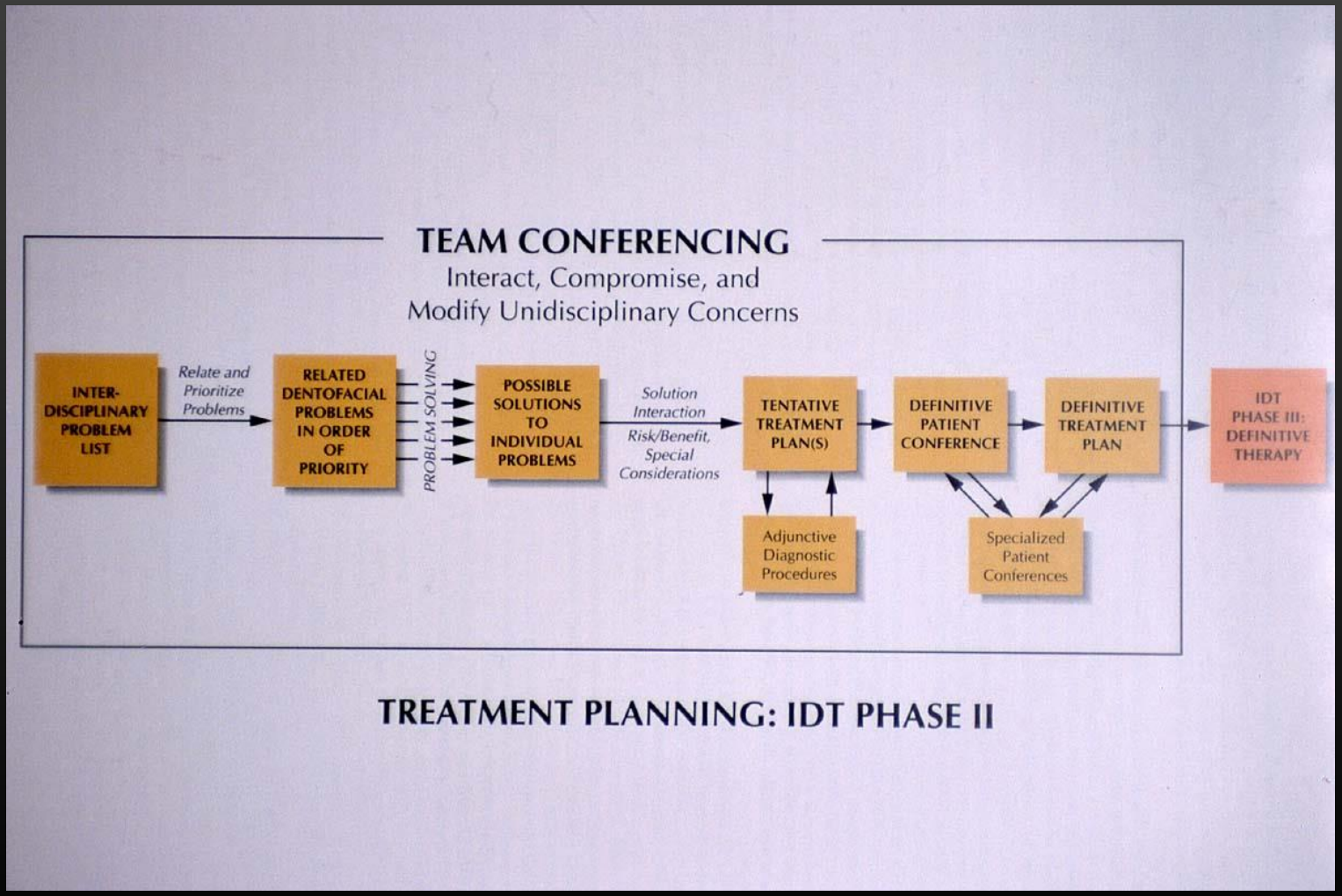
Team Conferencing

Multidisciplinary Database



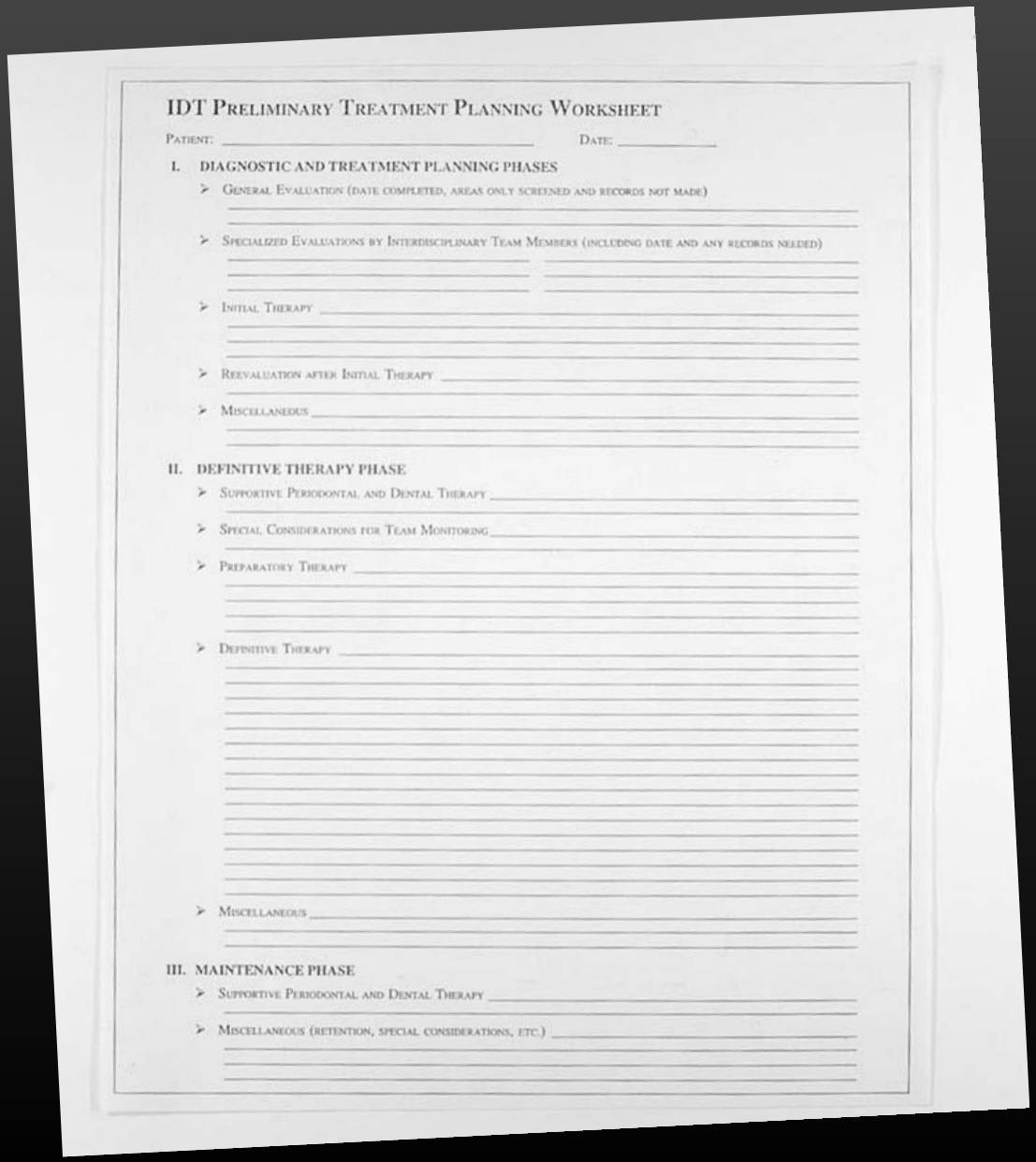
Interdisciplinary Problem List

Treatment Planning: Phase II of IDT



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Treatment Planning: Phase II of IDT



IDT Preliminary Treatment Planning Worksheet

Patient: _____ Date: _____

I. DIAGNOSTIC AND TREATMENT PLANNING PHASES

- General Evaluation (date completed, areas only screened and records not made)
- Specialized Evaluations by Interdisciplinary Team Members (including date and any records needed)
- Initial Therapy
- Reevaluation after Initial Therapy
- Miscellaneous

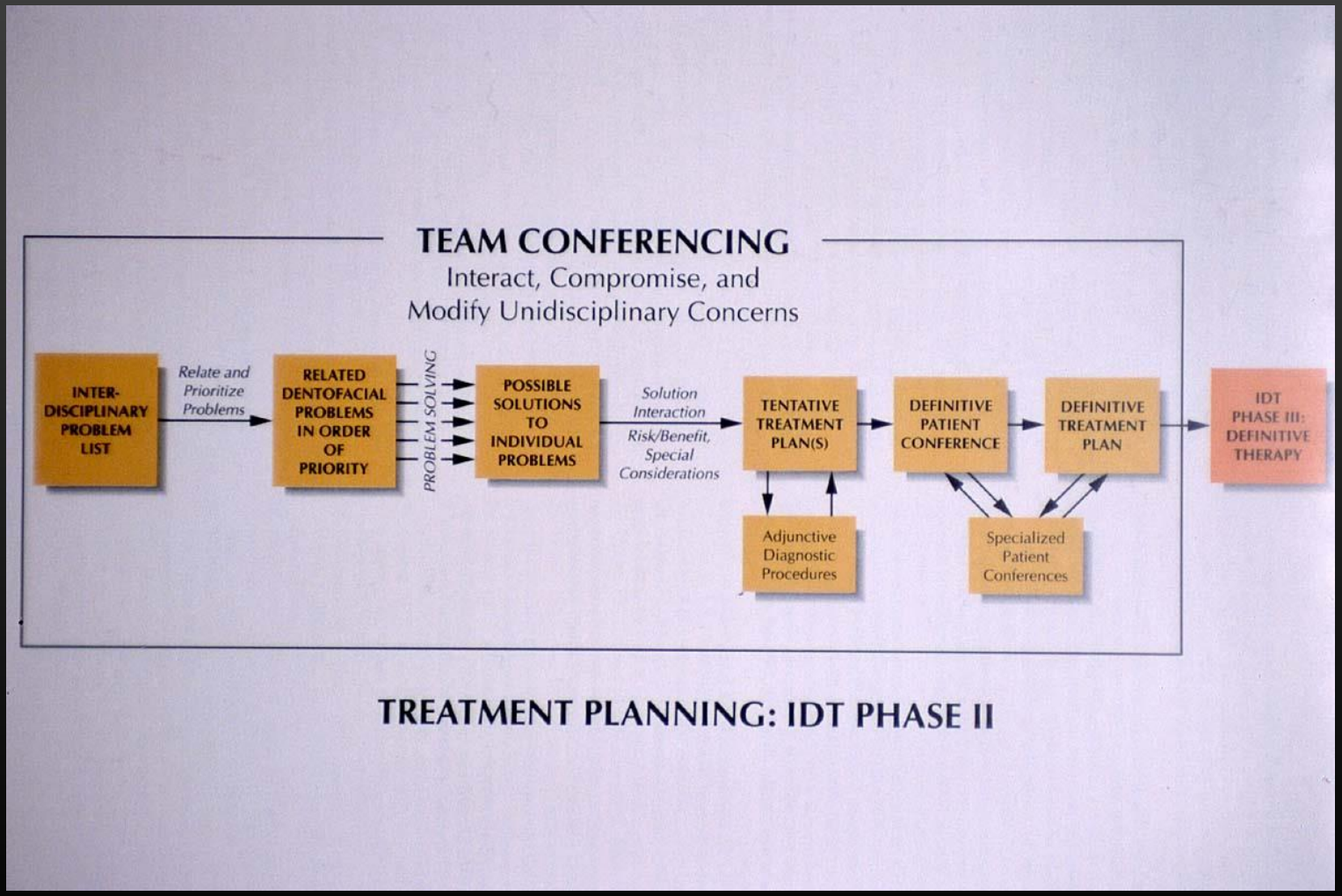
II. DEFINITIVE THERAPY PHASE

- Supportive Periodontal and Dental Therapy
- Special Considerations for Team Monitoring
- Preparatory Therapy
- Definitive Therapy
- Miscellaneous

III. MAINTENANCE PHASE

- Supportive Periodontal and Dental Therapy
- Miscellaneous (retention, special considerations, etc.)

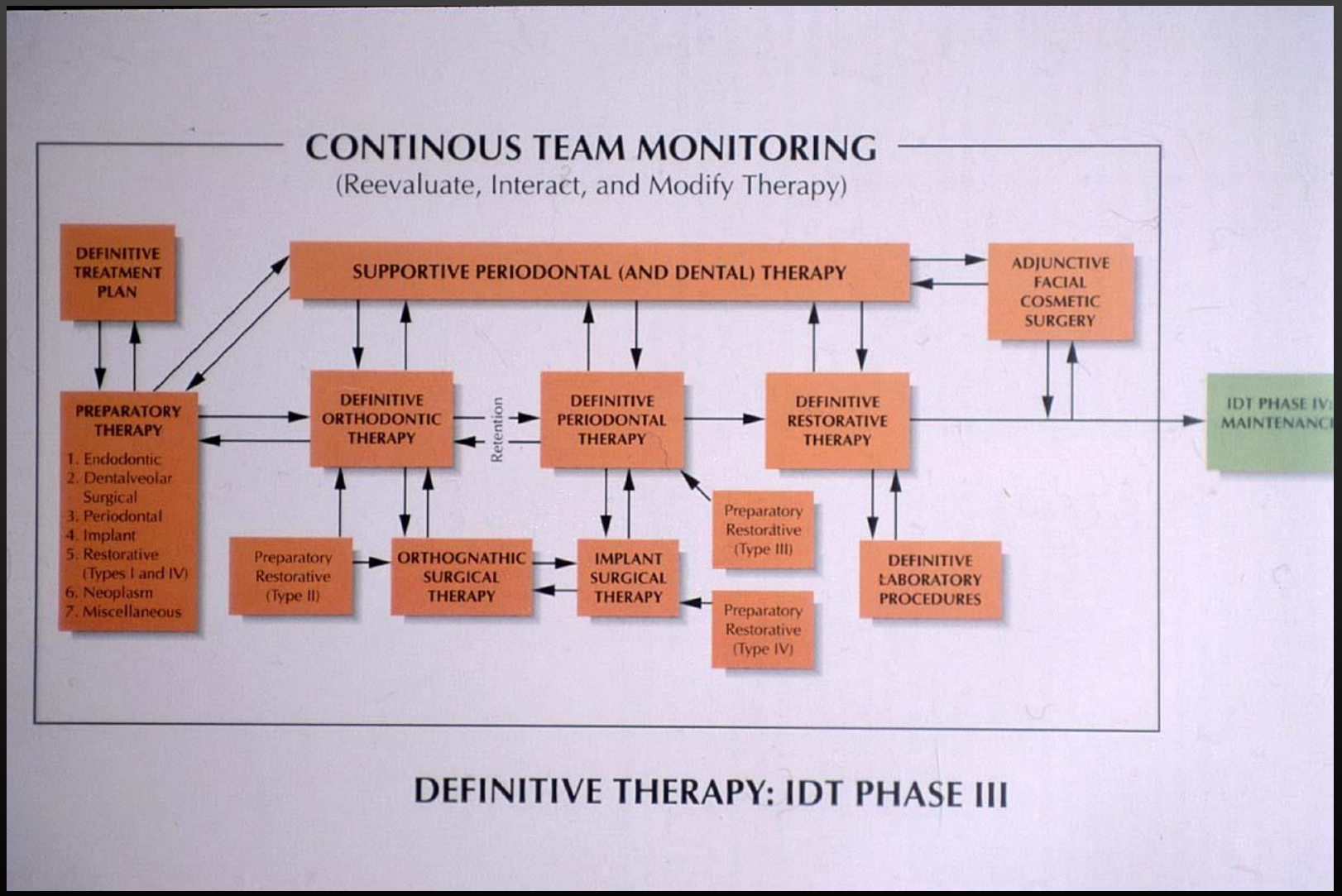
Treatment Planning: Phase II of IDT



TREATMENT PLANNING: IDT PHASE II

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Definitive Therapy: Phase III of IDT



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Definitive Therapy: Phase III of IDT

- Definitive Treatment Plan

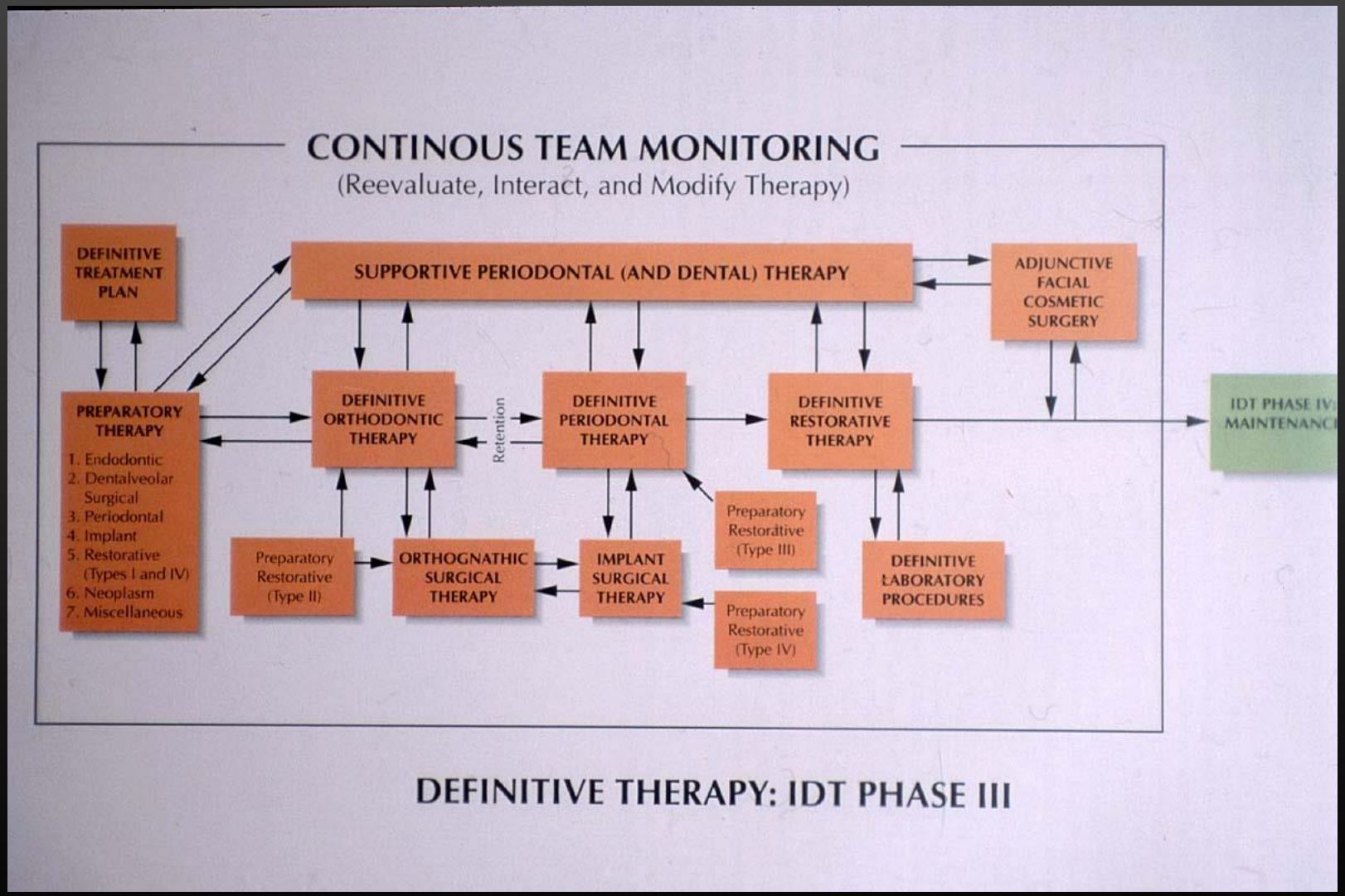


- Preparatory Therapy
  - Endodontic
  - Dentoalveolar surgery
  - Periodontal
  - Implant
  - Restorative
  - Neoplasm
  - Miscellaneous

Definitive Therapy: Phase III of IDT

- Ongoing Supportive Periodontal and Dental Therapy
- Definitive Periodontal Therapy
- Definitive Orthodontic Therapy
- Orthognathic Surgical Therapy
- Implant Surgical Therapy
- Definitive Restorative Therapy
- Definitive Laboratory Procedures
- Adjunctive Facial Cosmetic Therapy

Definitive Therapy: Phase III of IDT



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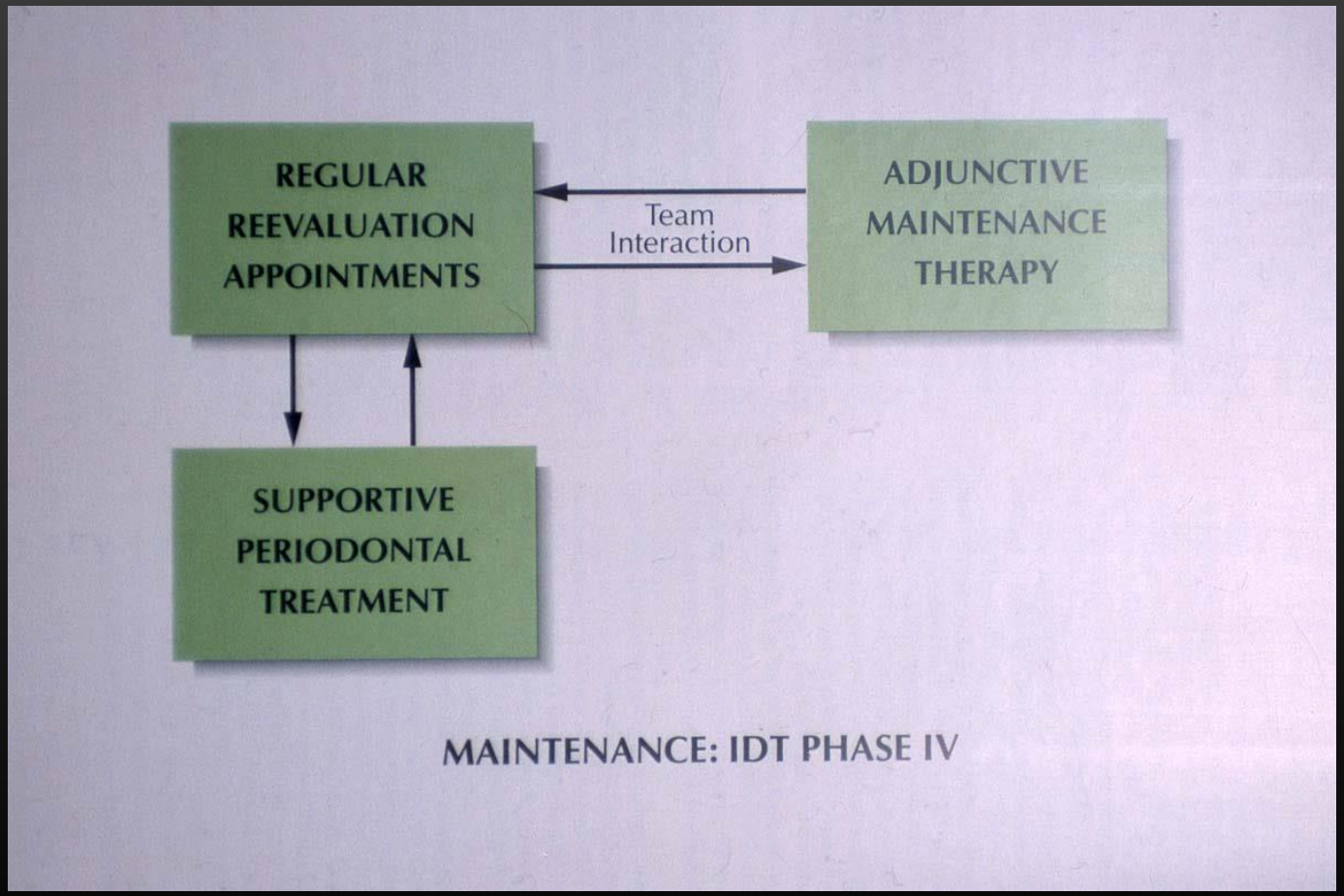
Maintenance: Phase IV of IDT

- Supportive Periodontal Treatment
- Regular Reevaluation Appointments

Team Interaction

- Adjunctive Maintenance Therapy

Maintenance: Phase IV of IDT



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Unidiciplinary Therapy Disadvantages

- Often Yields compromised results
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Class III compensated with restorative dentistry





Interdisciplinary Treatment

- Excellent communication between clinicians with several backgrounds
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Preliminary Therapy: Prelude to IDT

- Initial Visit
- General Dentist or Specialist
- *"I don't like the dark teeth"*







Preliminary Therapy: Prelude to IDT



Class I Malocclusion with **palatally displaced maxillary right and left canines** and **retained maxillary right and left deciduous canines**. **Missing maxillary and mandibular right second bicuspids** and **missing mandibular right first molar** with supraeruption of the maxillary right first molar.

Preliminary Therapy: Prelude to IDT

- Initial Visit
- General Dentist or Specialist



Preliminary Therapy: Prelude to IDT



Class IV type malocclusion with **multiple missing teeth (3.5, 4.5 4.6), significant periodontal issues including active periodontal pocketing and recession** and anterior crowding an malalignment.

Preliminary Therapy: Prelude to IDT

- Initial Visit
- General Dentist or Specialist





Class I malocclusion with **missing 1.2, 2.2 and 1.5 with retained 5.5**

Preliminary Therapy: Prelude to IDT



Hypodontia and Very small teeth
Tooth 1.2 approx 5mm wide





Don't Promise what you can't deliver

Definitive Therapy: Phase III of IDT





Definitive Therapy: Phase III of IDT

Palatally displaced canines delivered into dental arch



Three unit bridge to replace missing mandibular right first molar

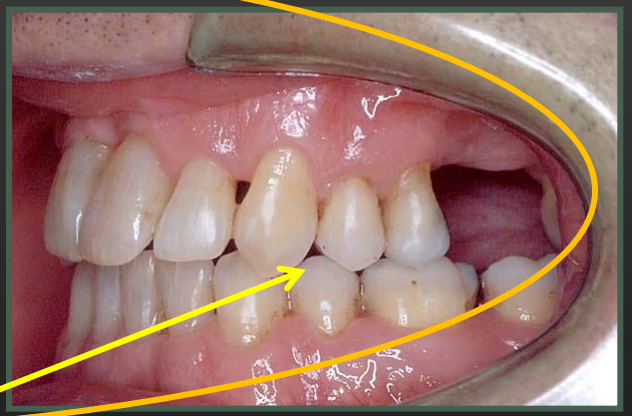
Note: design of bridge modified to best suit patient's occlusion

Definitive Therapy: Phase III of IDT

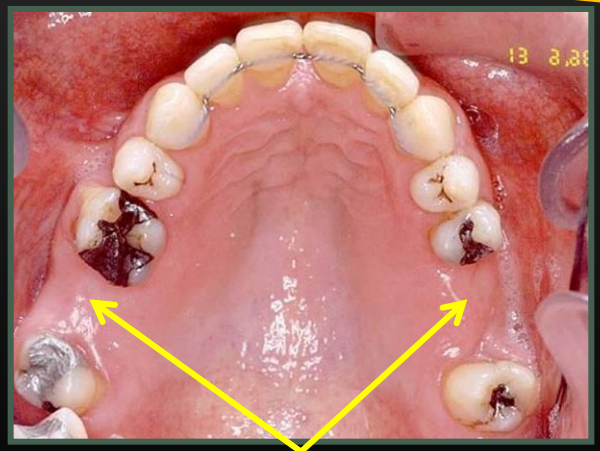
Periodontal condition stabilised



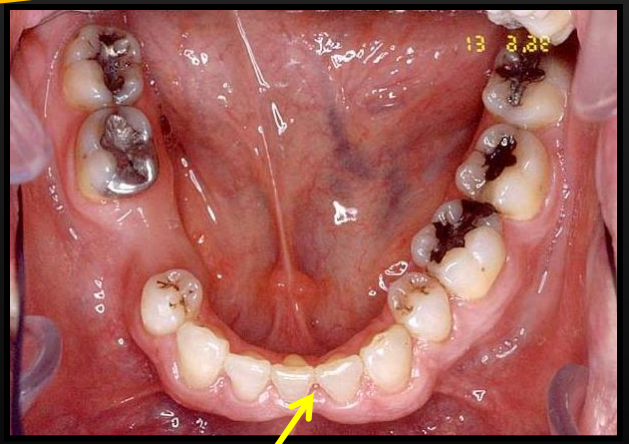




Functional occlusion established



Teeth with hopeless prognosis extracted



Tooth extracted crowding

Preliminary Therapy: Prelude to IDT

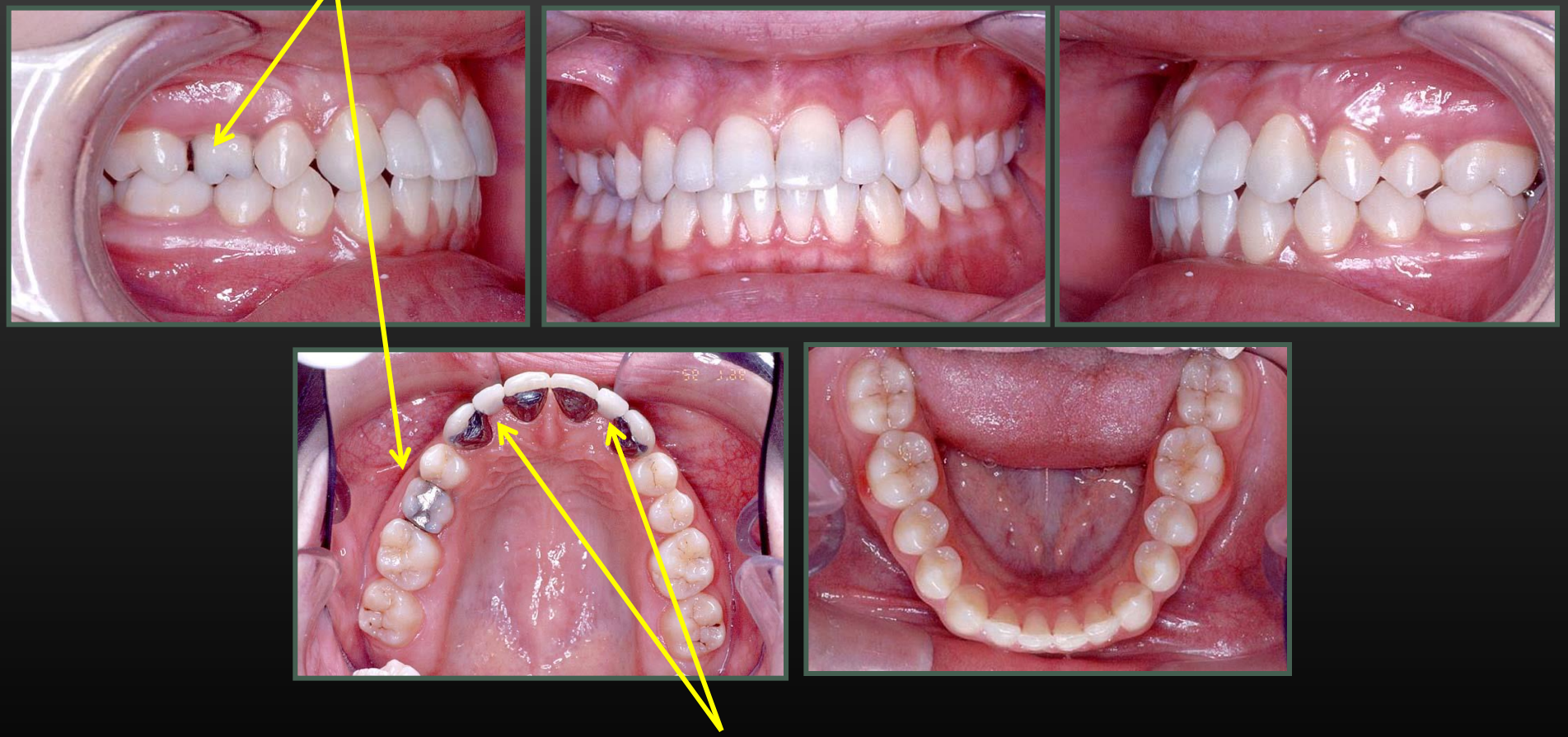




*Pre-treatment diagnostic set-up and radiographs indicated that implant placement not possible – space inadequate

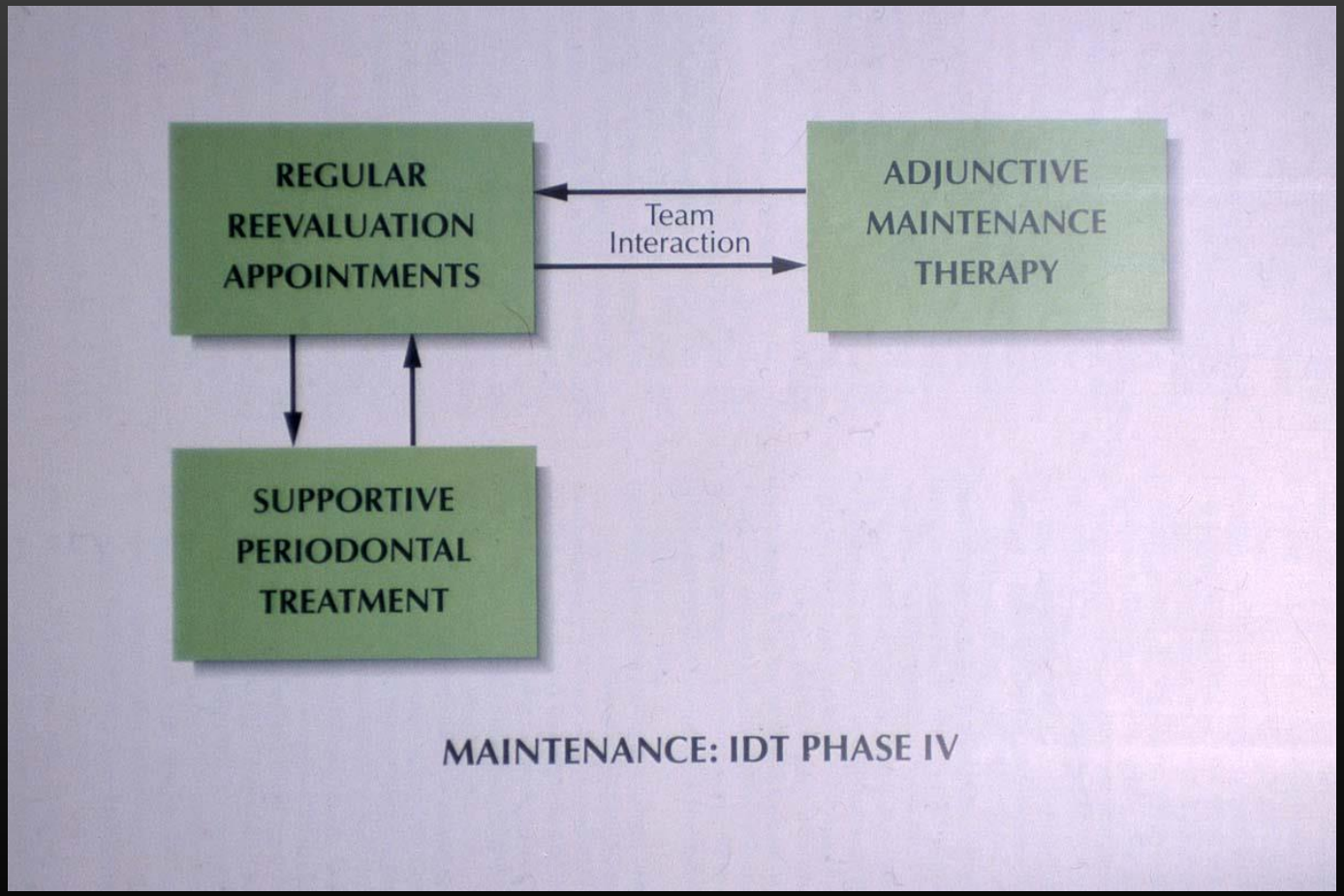
Definitive Therapy: Phase III of IDT

Maintained and reshaped (5.5)



Placement of two three-unit resin bonded bridges

Maintenance: Phase IV of IDT



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For the Final Examination

- Yes, material from DENT5310 and previous years will be included as all builds on required knowledge
- Red and Blue Pencils
- Small protractor (available from office works $0.45)
- 30% MCQ and 70% Short Answer
- Answering short answer questions