



# ***Diagnostic procedures***

- Diagnosis is the recognition and systemic designation of anomalies, the practical synthesis of findings, permitting therapy to be planned and indication to be determined, thereby enabling the doctor to act.

**Recognizing the problem**

**Formulating the problem**



**Carrying out necessary examinations**



**Interpretation of results**



**Diagnosis**



# Diagnostic aids

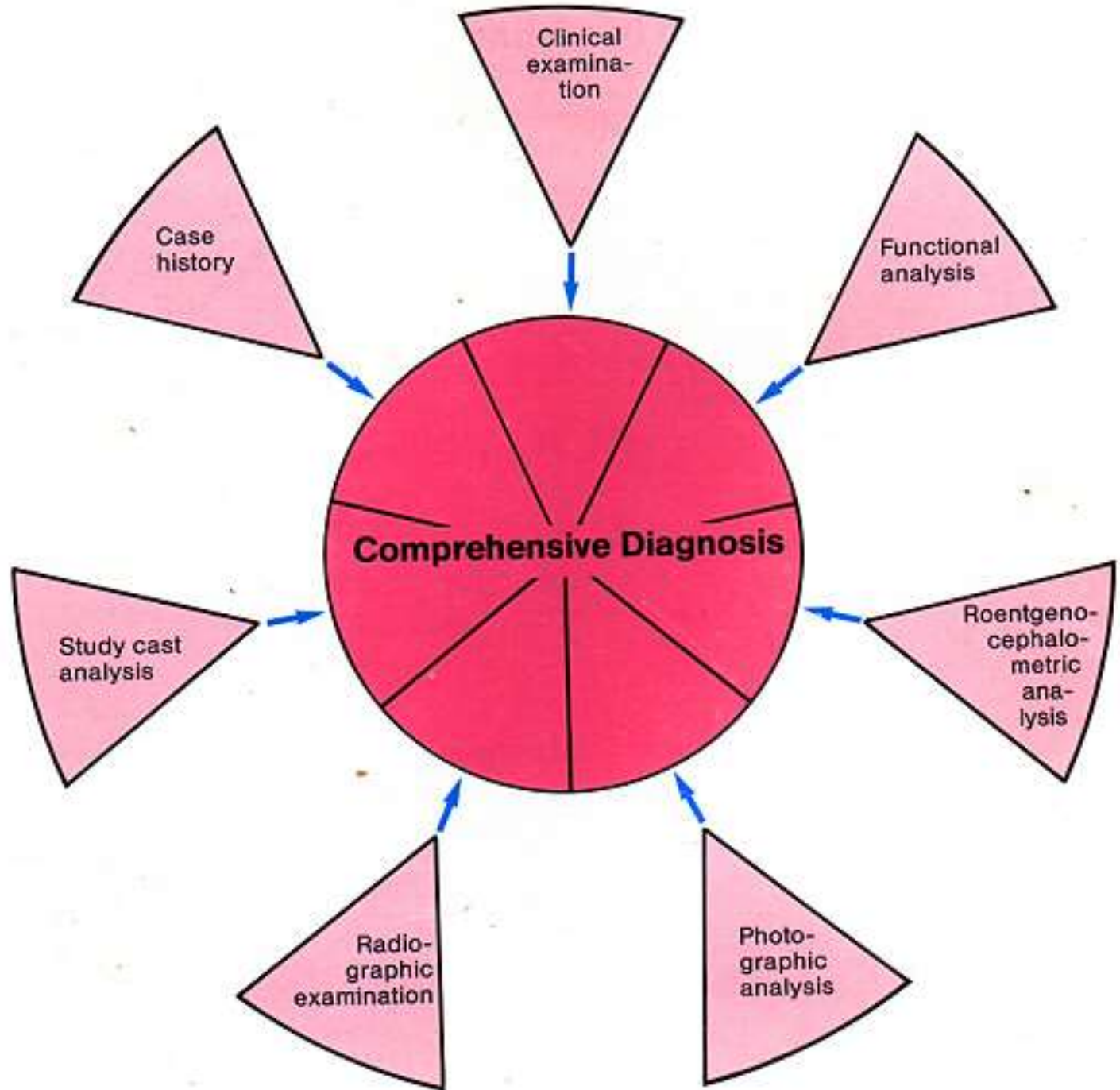
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graph TD; DA[Diagnostic aids] --> E[Essential]; DA --> S[Supplemental]; E --> CH[Case History]; E --> CXM[Clinical X/M]; E --> SM[Study Models]; E --> PH[Photographs]; E --> R[Radiographs]; S --> SRG[Specialized R/G]; S --> EMG[EMG]; S --> HW[Hand Wrist]; S --> ET[Endocrine Tests]; S --> BMR[BMR Estimation]; S --> O[Occlusograms];
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## Essential

Case History  
Clinical X/M  
Study Models  
Photographs  
Radiographs

## Supplemental

Specialized R/G  
EMG  
Hand Wrist  
Endocrine Tests  
BMR Estimation  
Occlusograms



# DEFINATION :

“ History can be defined as a planned professional conversation that enables the patients to communicate his symptoms, feelings and fears to the clinician so that the nature of the patients real or suspected illness and mental attitudes may be determined ”

# Case History

- Involves eliciting and recording of relevant information from the patient and parent to aid in the overall diagnosis of the case.
- Name
- Age
- Sex
- Occupation
- Address

# Name

- Establishing Rapport Patient
- Communication and identification
- Maintaining the records

# Age

1. Chronological age: Physiologic age after birth.
2. Dental age: dependant on eruption status of the teeth.
3. Skeletal age: dependant on skeletal maturity  
( Hand wrist radiograph )
4. Mental age: Measured by the Tasks examining Memory, Spatial relationship, Reasoning and variety of other primary mental abilities. By determining the average age required to pass each task.
5. Facial age: determined using anthropometric measurements.

**Functional appliance=Growth period >surgical procedure**

# Sex

- Growth spurts: precedes in females than males
- Puberty and pregnancy prone for gingival diseases.

# Address & occupation

- Communication and correspondence.
- Evaluation of socioeconomic status which helps in selection of appropriate appliances.

# Occupation

- Public figures and personalities, teaching professionals opt for tooth colored appliances.
- Contact sports personnel: chances of breakage.
- Stress related TMD problems

# Chief Complaint

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- **Helps the clinician in identifying the priorities and desires of the patient**
- **Esthetic or impaired function**

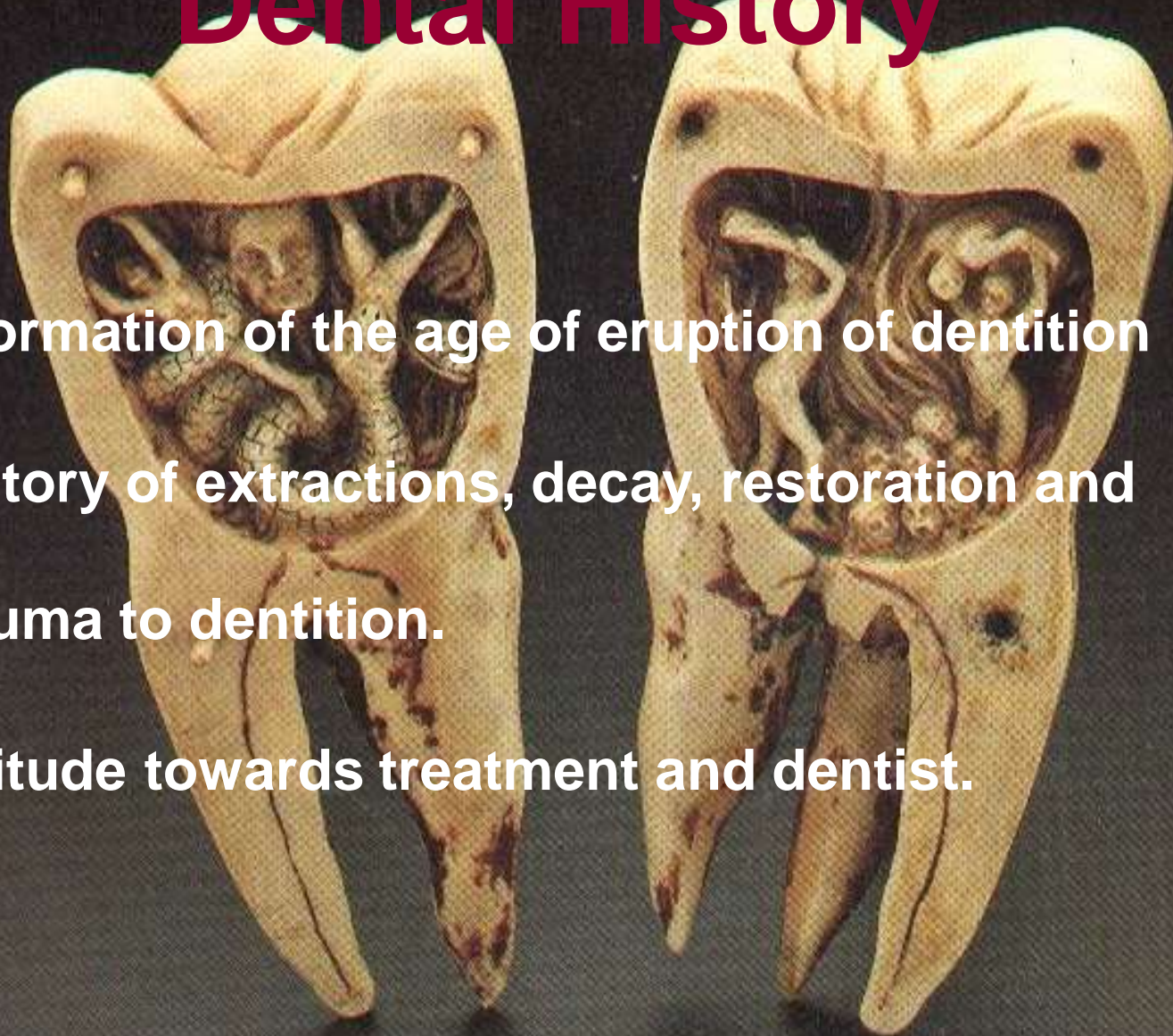
# Medical History

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- **CNS: Epilepsy, Mental retardation.**
- **Cardiac Problem: Rheumatic fever, Cardiac anomaly.**
- **Bleeding tendency: Hemophilia.**
- **Drug History: Aspirin.**
- **Acute debilitating condition such as viral fever**
- **Immuno-compromised status.**

# Dental History

- Information of the age of eruption of dentition
- History of extractions, decay, restoration and trauma to dentition.
- Attitude towards treatment and dentist.



# Prenatal History

- Condition of mother during pregnancy regarding infections, medications and type of delivery.

# At birth

- Delivery:
  - premature
  - Normal
  - Delayed
- Type of delivery:
  - Normal
  - Caesarean
  - Forceps

# Post Natal

- Type of feeding
- Habits
- Mile stones of normal development

# Psychosocial History

- School adjustment
- Habits
- Motivation
- Expectations

# Family History

- Hereditary diseases
- Cleft palate
- Malocclusion

# References

- Orthodontic Diagnosis :
  - ◆ Thomas Rakosi
- Oral diagnosis: the clinician guide
  - ◆ B Warren
- Orthodontics : Principles and practice.
  - ◆ T M Graber
- Handbook of Orthodontics :
  - ◆ Moyers

A photograph of a forest stream flowing over moss-covered rocks. The water is blurred, creating a sense of movement. The surrounding forest is dense with green foliage and large trees. The overall scene is serene and natural.

*THANK YOU*