

## EXERCISE NO. 4 AGE ESTIMATION

### Competency No. FM14.4

**Conduct and prepare report of estimation of age of a person for medico legal and other purposes & prepare medico-legal report in a simulated/supervised environment.**

**[Core Competency, Domain - Skill, Level - Knows How]**

SLO No.	SPECIFIC LEARNING OBJECTIVE	Domain	Level
FM14.4.1	The student should be able to document all the preliminary data of the case of age estimation and should be able to take consent of the subject & document two identification marks of case of age estimation in a simulated/supervised environment.	C	KH
FM14.4.2	The student should be able to describe general physical examination with secondary sexual characteristics in case of age estimation & deduce the approximate age from it in a simulated/supervised environment correctly.	S	KH
FM14.4.3	The student should be able to describe dental examination with its charting & deduce the approximate age from it in case of age estimation in a simulated/supervised environment correctly.	S	KH
FM14.4.4	The student should be able to analyze and decide to order relevant radiological examination, interpret the radiographs & deduce the age from the radiographs in a simulated/supervised environment correctly.	S	KH
FM14.4.5	The student should be able to incorporate findings of general physical examination, secondary sexual characteristics, dental parameters and radiological findings to estimate age of an individual in a simulated/supervised environment correctly.	S	KH
FM14.4.6	The student should be able to infer the opinion with particular date, signature, Name, designation, seal,) in a simulated/supervised environment correctly.	S	KH

## Age estimation in Male (12-14 yrs)

MLC No : XXXX

Place: SVP Hospital

Time : 10:00 am

Date: XX/YY/ZZ

Sex : MALE

Ref.No. !ZXRT

Name : MT. XYZ MALE

Age as alleged: 11-14 yrs

Address : AAA Street, Ahmedabad , Gujarat ,

Brought & Identified by (i) PSI , Ellisbridge Police station, Ahmedabad City

(ii) Parents/ Guardian

Consent (of Examinee / guardian):

I Mr. ABC(Parents/Guardian) here by voluntarily consent and agree to the following

- a) Medical examination and examination of genitals and also examination of other secondary sexual characters for the purpose of age estimation.
- b) Radiological and dental examination for the purpose of age estimation.
- c) Photography for the purpose of criminal investigation if required.
- d) All this has been explained to me in my mother tongue. English Language which I can understand

Marks of Identification: 1. Black Mole present over right cheek

2. Black color star design tattoo mark present over inner aspect of right forearm

Height **XXXcm** Weight **YY kg** General build & appearance : well built / Fairskin

Chest Circumference : XXXX

### [A] Physical Examination:

Scalp hair: Present , Black, 4-5 cm

Moustache: Present , Brownish, 1-3 cm

Beard: Present , Brownish, 1-3 cm

Pubic hair: Present , Black curly, 3-5 cm

Chest hair: Present , Brownish, 1-3 cm

Axillary hair: Present , Brownish, 1-3 cm

Pomum adami: NAD

Voice: No change

Arcus senilis: NAD

### Development of the external genitalia:

Enlargement of the scrotum, and testes, Lengthening of the penis

[B] Dental Examination (Palmer's Notation)

RIGHT								LEFT						
17	16	15	14	13	12	11	21	22	23	24	25	26	27	
47	46	45	44	43	42	41	31	32	33	34	35	36	37	

No of tooth : 28

Type of Tooth : Temporary / Permanent: Mixed Patterns

Total no of tooth : Temporary: 2(second molar) Permanent- 24

Spacing behind 2nd Molar: No

Any abnormality : No

[C] X-ray investigations and findings:

1	X ray Elbow Joint (AP & Lateral View )	At 12 yrs- Capitulum, trochlea, & lateral epicondyle centre appeared  At 14 yr – Composite epiphysis appeared
2	X ray Pelvis Joint (AP & Lateral View )	At 14 yr Triradiate cartilage obliterated
3	X ray Wrist Joint (AP & Lateral View )	No fusion

**Opinion:** From physical, dental & radiological examination of, Mt. ABC Male

I am of the opinion that the individual named as above is aged about 12- 14 Years.

Place:AHMEDABAD

Dated: XX/YY/ZZ

Signature & Name of the

Medical Officer

**(b) Age estimation in Female (25 - 30 yrs)**

MLC No : A#A# Place : AHMEDABAD  
Time : 9 :00 AM Date : XX/YY/ZZ  
Sex : FEMALE Ref.No. : @###  
Name : Mrs ABC Age as alleged: 26 yrs  
Address :

Brought & Identified by (i) PSI (female) Ellisbrige police Station

(ii) Parents & relatives

Examined in the present of: (Female attendant) Name & Signature

Mrs XYZ (nursing staff)

Consent (of Examinee /guardian):

I Mrs. ABC(herself ) here by voluntarily consent and agree to the following

- a) Medical examination and examination of genitals and also examination of other secondary sexual characters for the purpose of age estimation.
- b) Radiological and dental examination for the purpose of age estimation.
- c) Photography for the purpose of criminal investigation if required.
- d) All this has been explained to me in my mother tongue. English Language which I can understand

Marks of identification :

- 1.) Black Mole present over right cheek
- 2.) Black color star design tattoo mark present over inner aspect of right forearm

**General Physical Examination**

Height XXX

Weight YYYY

General build & appearance : well-built /Fair skinned

Pulse: 80 /min

B.P: 124/80 mm Of hg

[A] Physical Examination

Development of breasts : Fully developed ,

Date of menarche : Before 14 yrs

Date of L.M.P : AA/BB/CCCC

Hair: Axillary : Present/ Black/ 3 – 6 cm

Pubic : Present/ Black/Curly / 5 – 7 cm

[B] Dental Examination (Palmer's Notation)

RIGHT								LEFT							
18	17	16	15	14	13	12	11	21	22	23	24	25	26	27	28
48	47	46	45	44	43	42	41	31	32	33	34	35	36	37	38

**No of tooth : 32**

**Type of Tooth :** Permanent

**Total no of tooth :** Permanent- **32**

Any additional findings: NAD

[C] X-ray investigations and findings:

1	X ray Shoulder Joint (AP & Lateral View )	Fusion
2	X ray Elbow Joint (AP & Lateral View )	Fusion
3	X ray Wrist Joint (AP & Lateral View )	Fusion
4	X ray Pelvis Joint (AP & Lateral View )	Fusion
5	X ray Knee joint (AP & Lateral View )	Fusion
6	X ray Ankle joint (AP & Lateral View )	Fusion
7	CT scan of Skull for suture	Post 1/3 of sagittal suture not fused (ideally fused at 30 yrs)

**Opinion:**

From physical, dental & radiological examination of, Mt. ABC Female

I am of the opinion that the individual named as above is aged about 26 - 30 Years.

Place: Ahmedabad

Signature & Name of the

Dated:

Medical Officer