

TOPIC-

ANATOMICAL POSITION

AND PLANE

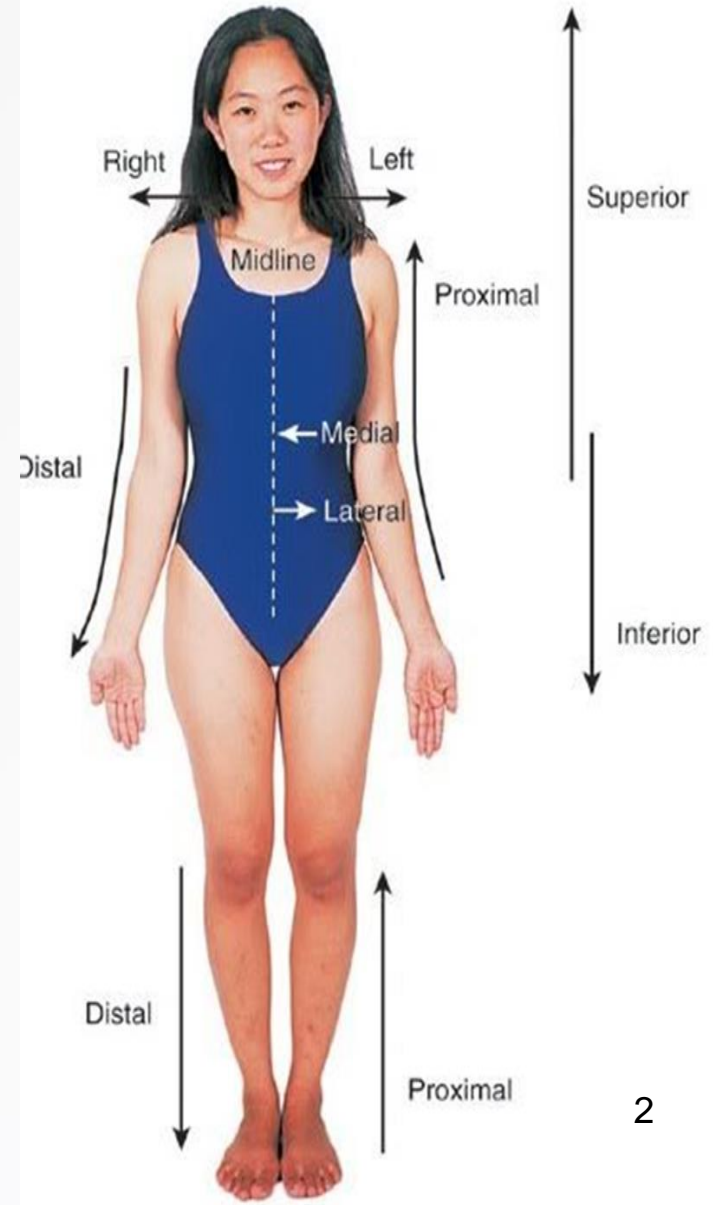
PRESENTED BY-

DR ABHILASHA

ANATOMICAL POSITION

➤ When a person is standing straight with-

- Eyes looking forwards
- Both arms by the side of body
- Palms facing forwards
- Both feet together

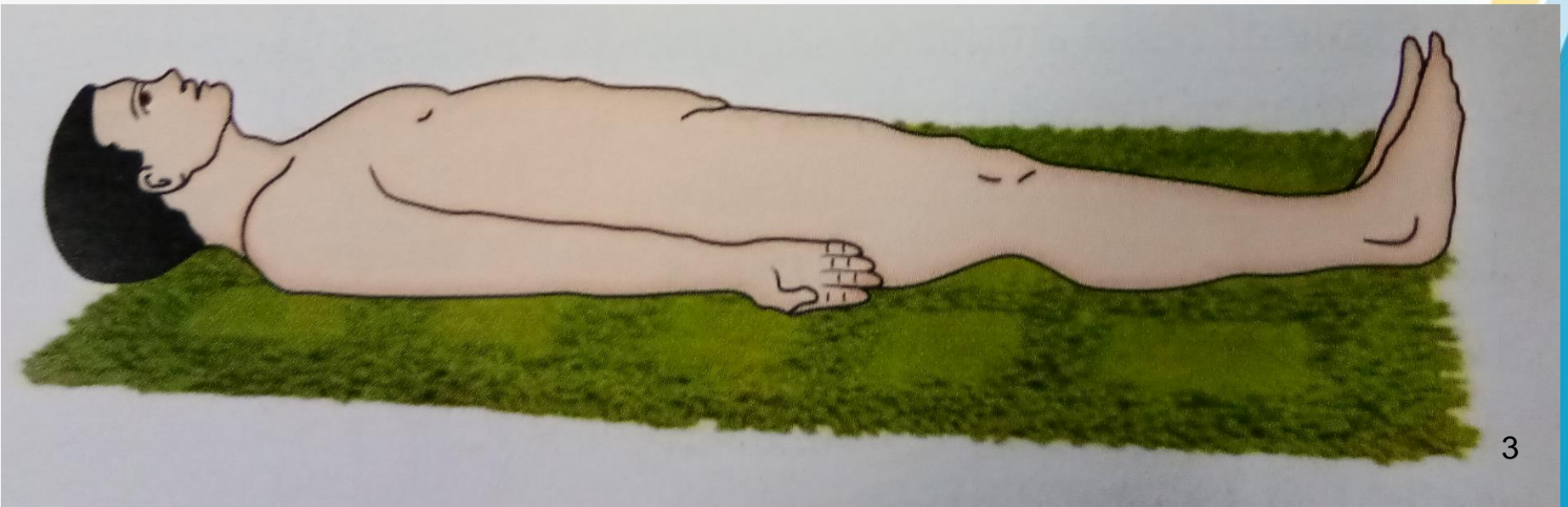


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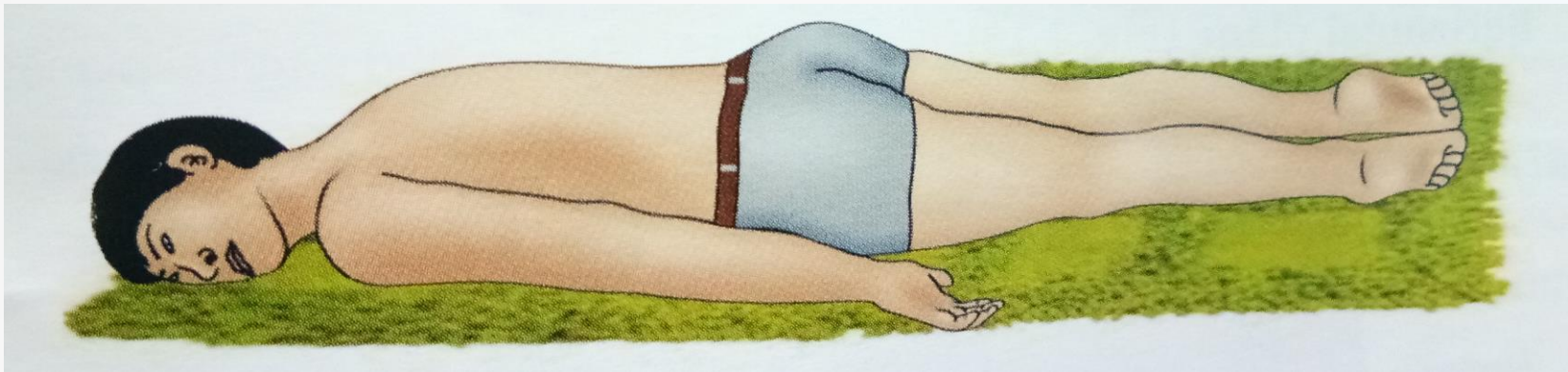
SUPINE POSITION

- When a person is lying on her/his back, arms by the side, palms facing upwards and feet put together.



PRONE POSITION

- Person lying on his/her face, chest and abdomen.



ANATOMICAL POSITION

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LITHOTOMY POSITION

- Person lying on her back with legs up and feet supported in straps.
- This position is mostly used during delivery of the baby.



ANATOMICAL POSITION

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IMPORTANCE OF ANATOMICAL POSITION

- The anatomical position is of importance in anatomy because it is the position of reference for anatomical nomenclature.
- Anatomic terms such as anterior and posterior, medial and lateral, abduction and adduction, and so on apply to the body when it is in the anatomical position.

ANATOMICAL POSITION

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PLANE

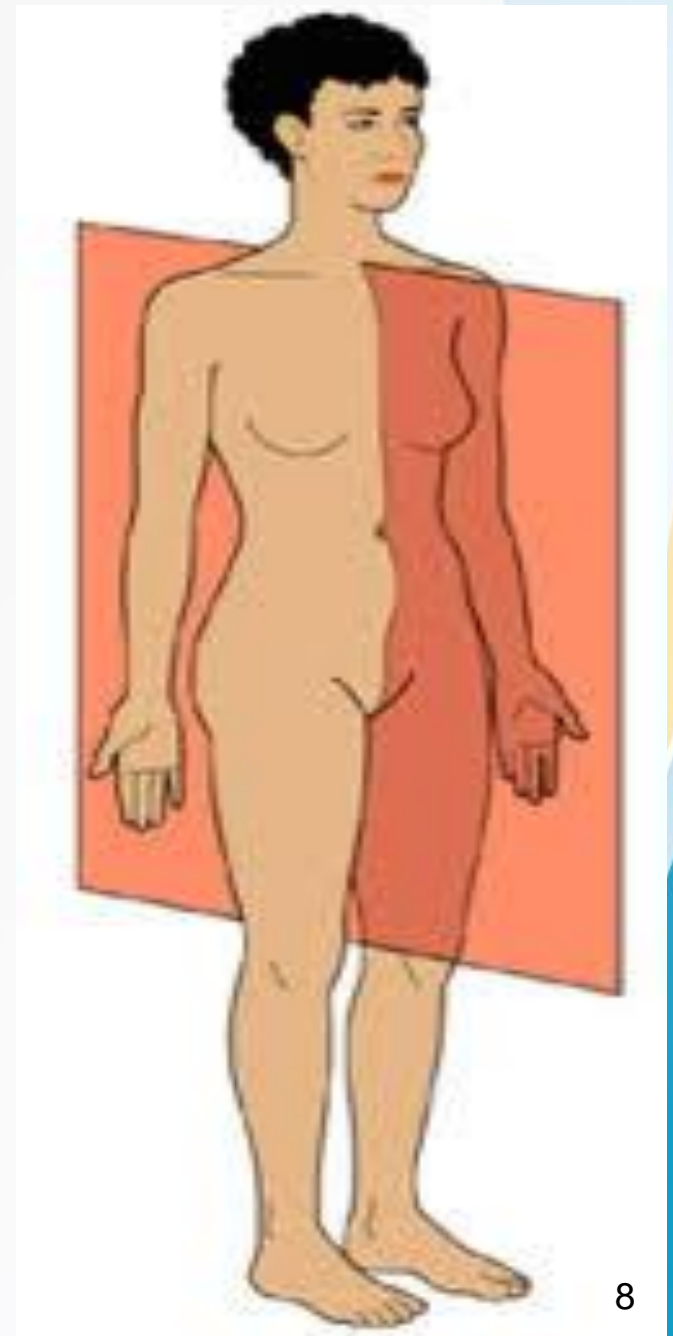
- The anatomical plane is a hypothetical plane used to transect the human body, in order to describe the location of structure or the direction of the movement.

ANATOMICAL POSITION

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➤ ***MEDIAN OR MIDSAGITTAL PLANE***

- A plane passing through the centre of the body.
- It divides the body into two equal right and left halves.

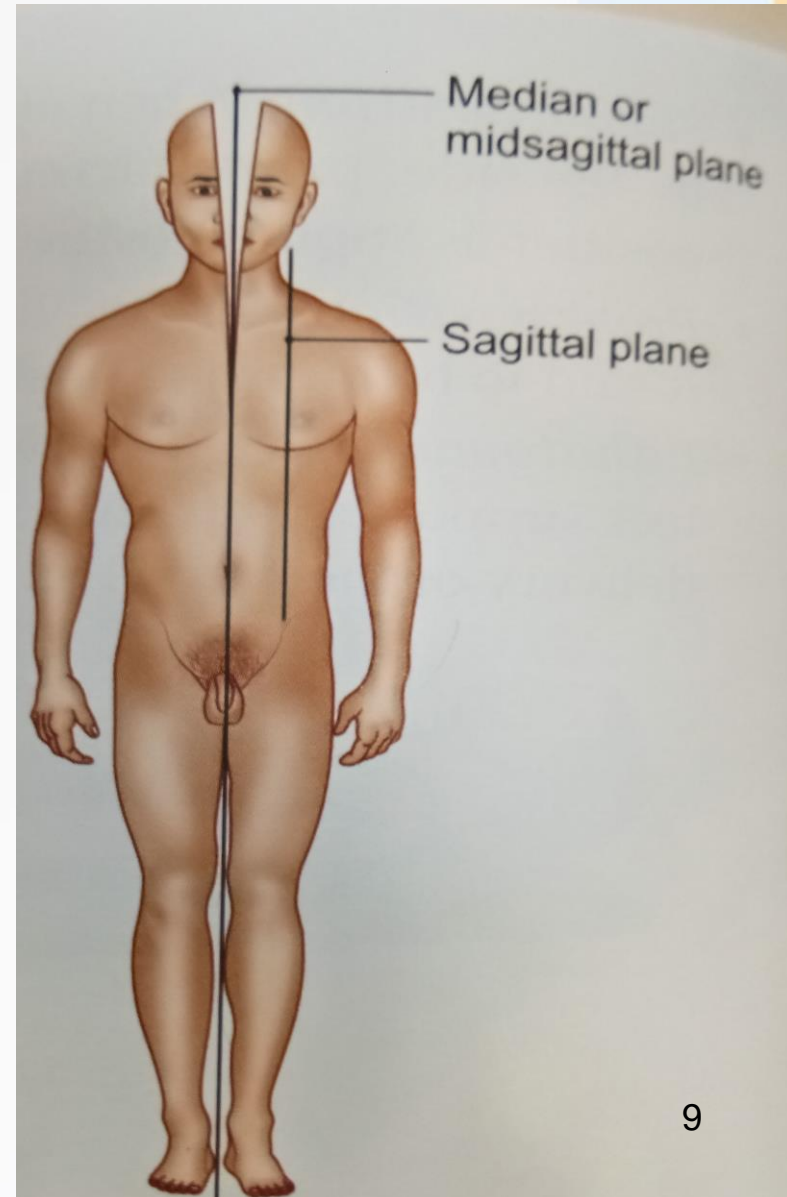


SAGITTAL PLANE

- Plane parallel to median or midsagittal plane.
- It divides the body into two unequal halves

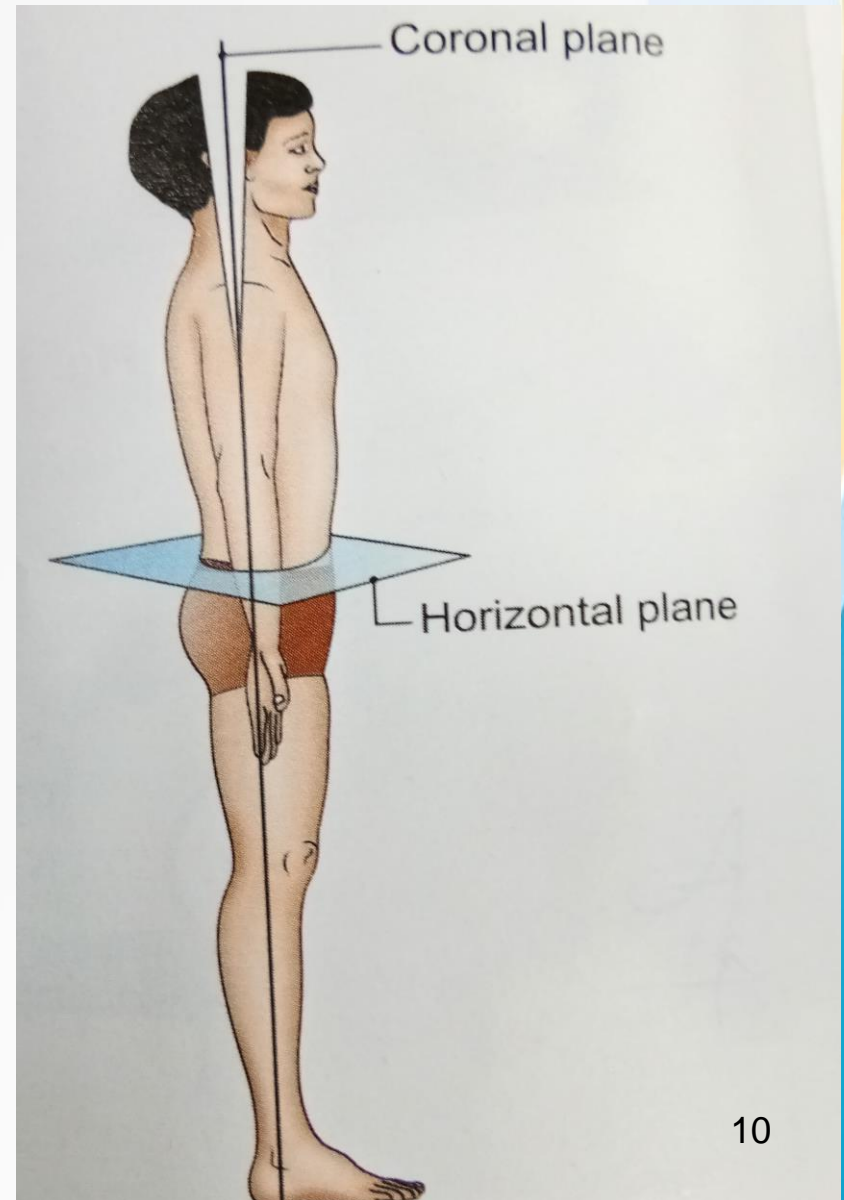
ANATOMICAL POSITION

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CORONAL PLANE

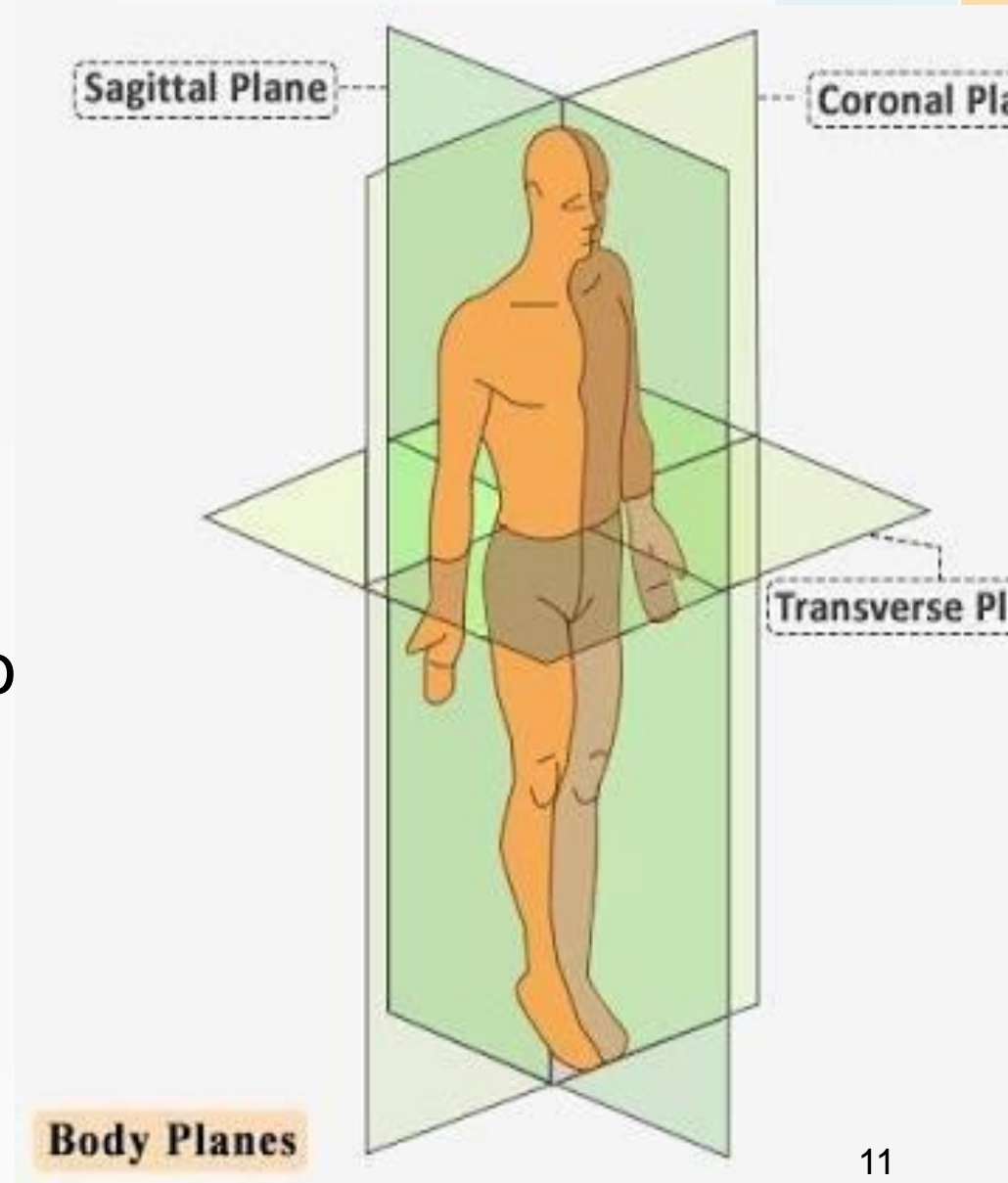
- A plane at right angles to sagittal or median plane.
- It divides the body into anterior and posterior halves.



ANATOMICAL POSITION
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TRANSVERSE PLANE

- A plane at right angles to both sagittal and coronal planes.
- It divides the body into upper and lower parts.

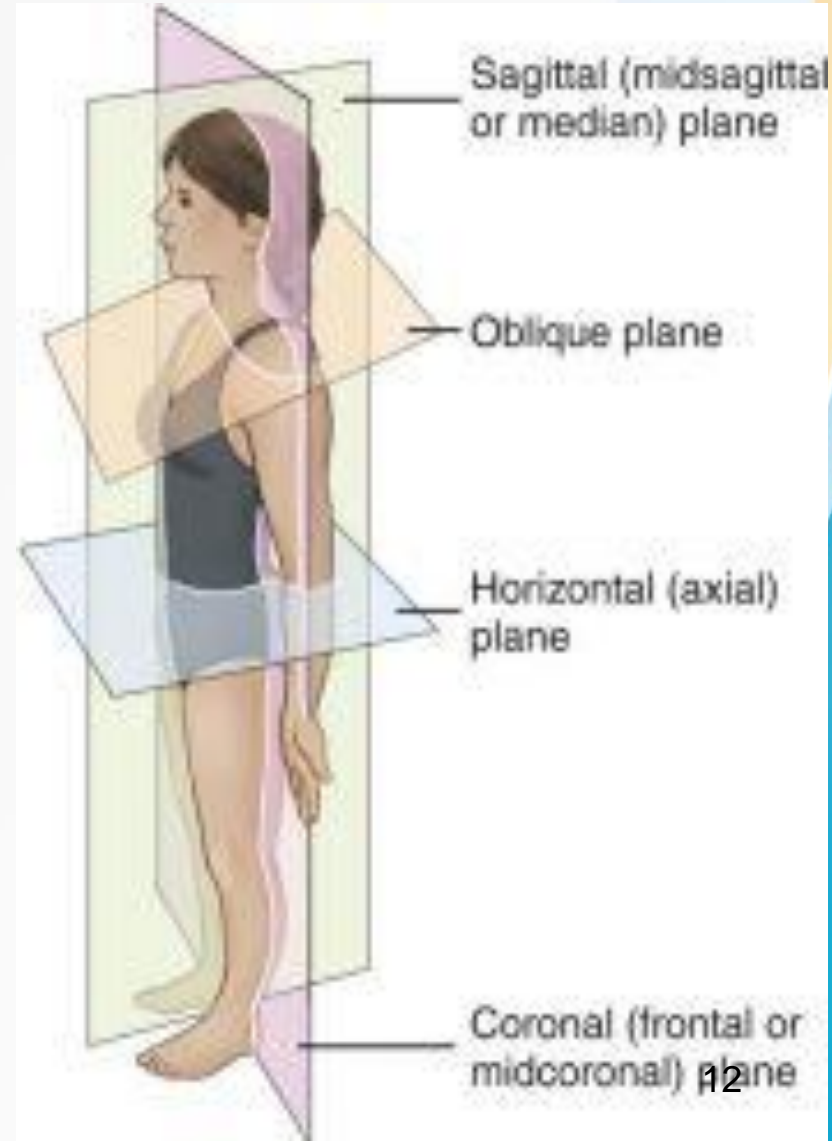


ANATOMICAL POSITION

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OBLIQUE PLANE

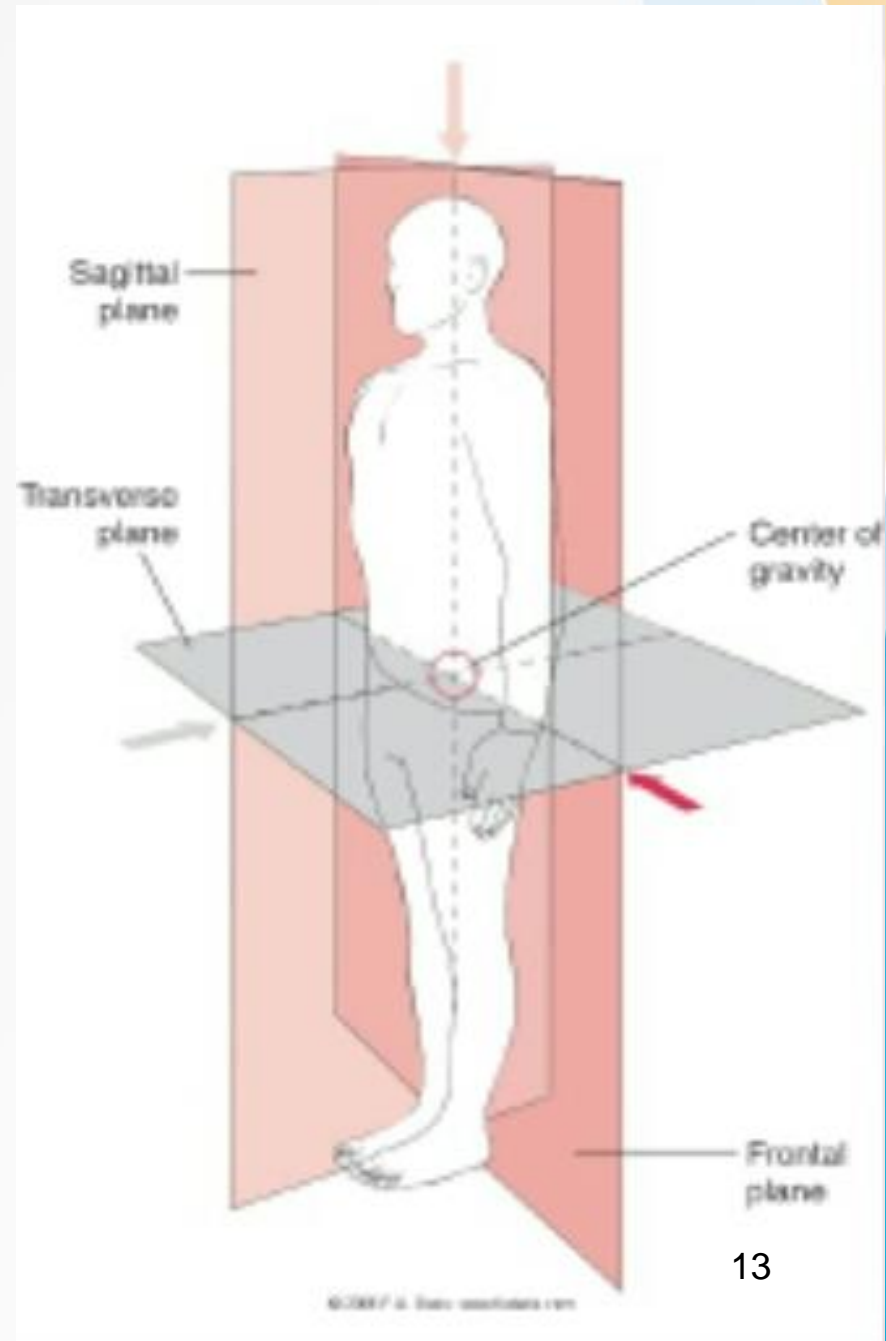
➤ Any other plane other than coronal, transverse and midsagittal.



**ANATOMICAL POSITION
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CARDINAL PLANE

➤ If any plane traverses the centre of body.



ANATOMICAL POSITION
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IMPORTANCE OF PLANE

- Provide a common method of communication which helps avoid confusion when identifying the organs.

- Used to describe position of body parts.

Ex.- Heart is medial to arm

- Used in movement terminology.

Ex.- Flexion of upper limb is done by anterior muscle while that of lower limb is done by posterior muscles.

ANATOMICAL POSITION

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THANK
YOU