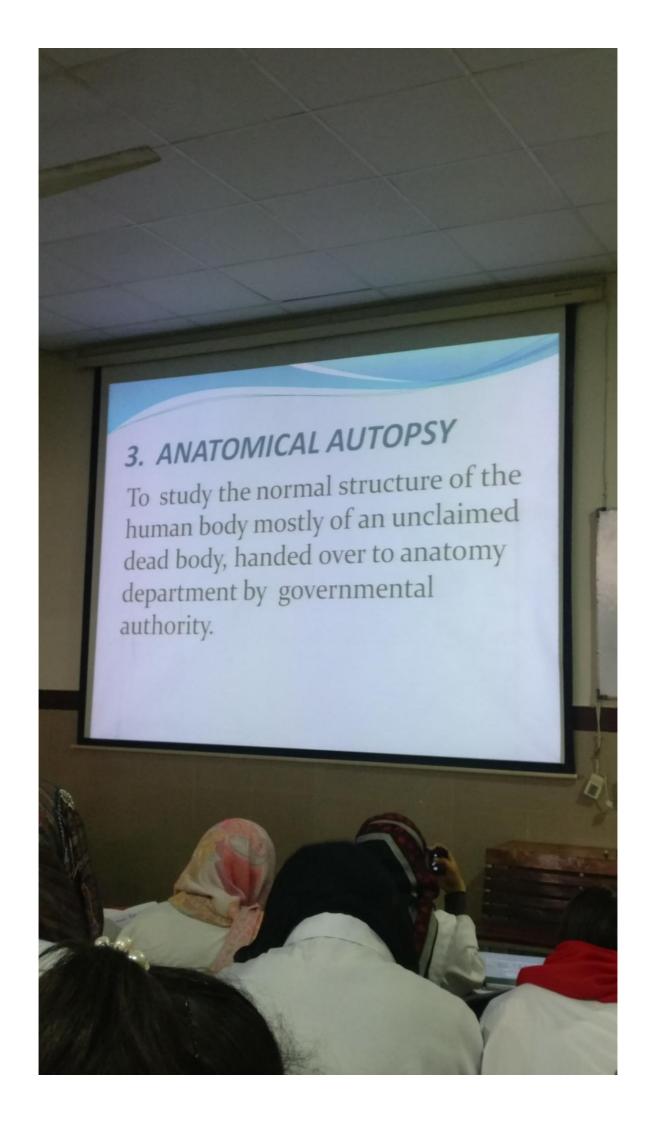


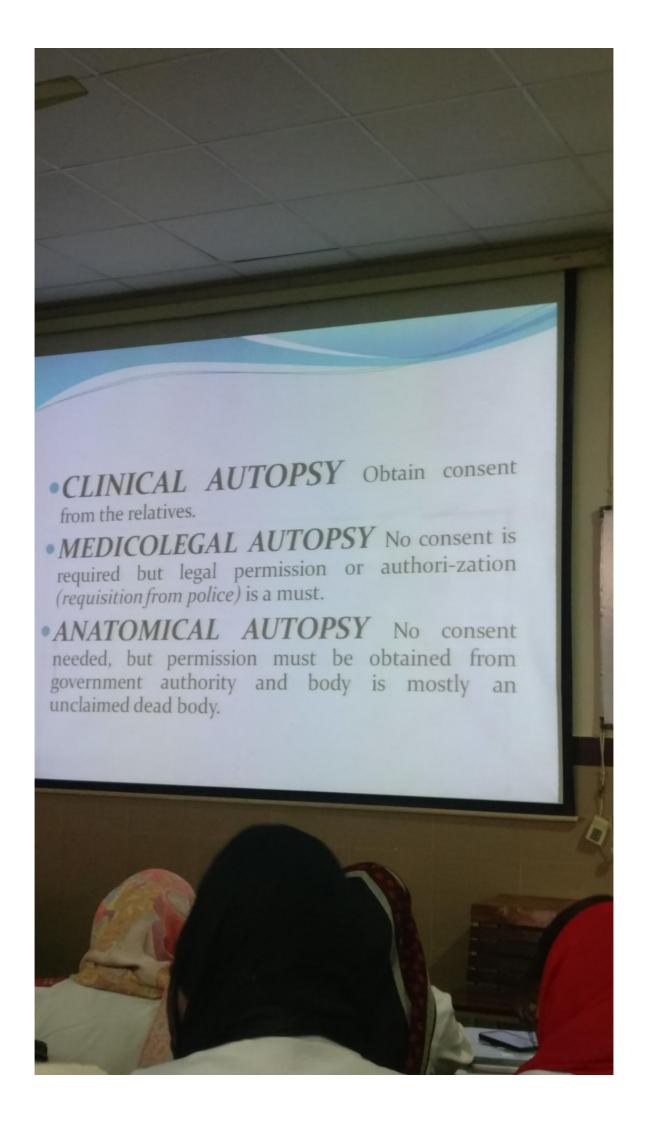
2. MEDICOLEGAL AUTOPSY

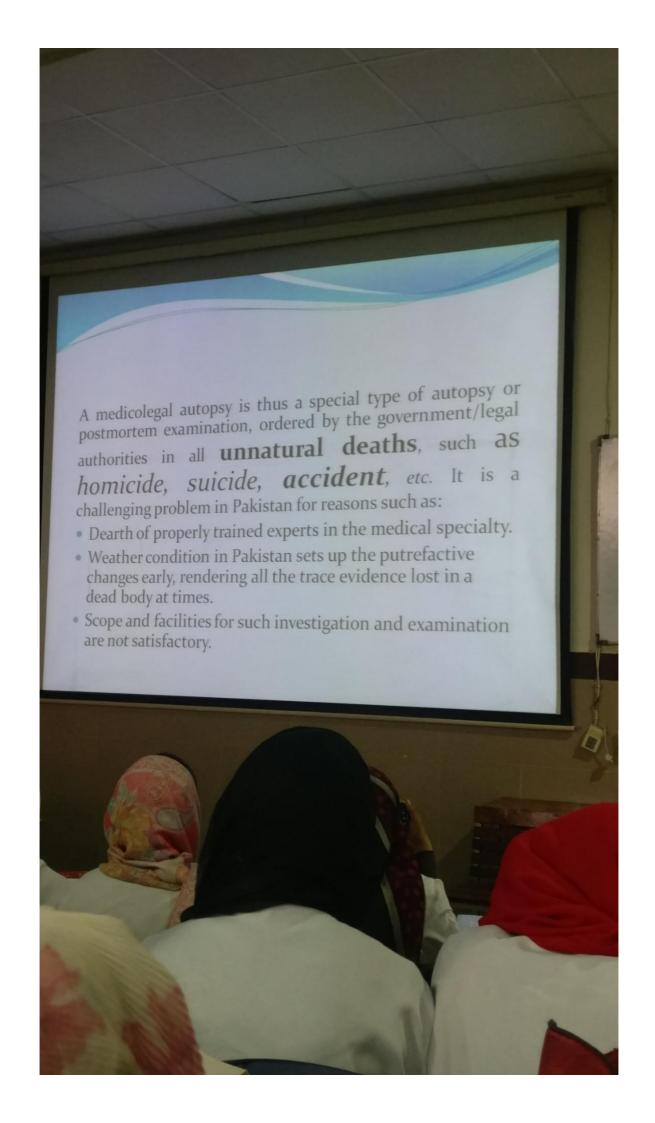
To solve mysterious unnatural death. Medicolegal expert does it preferably. However, due to lack of adequate qualified experts, all registered medical practitioners can also perform this with an authorization by State.

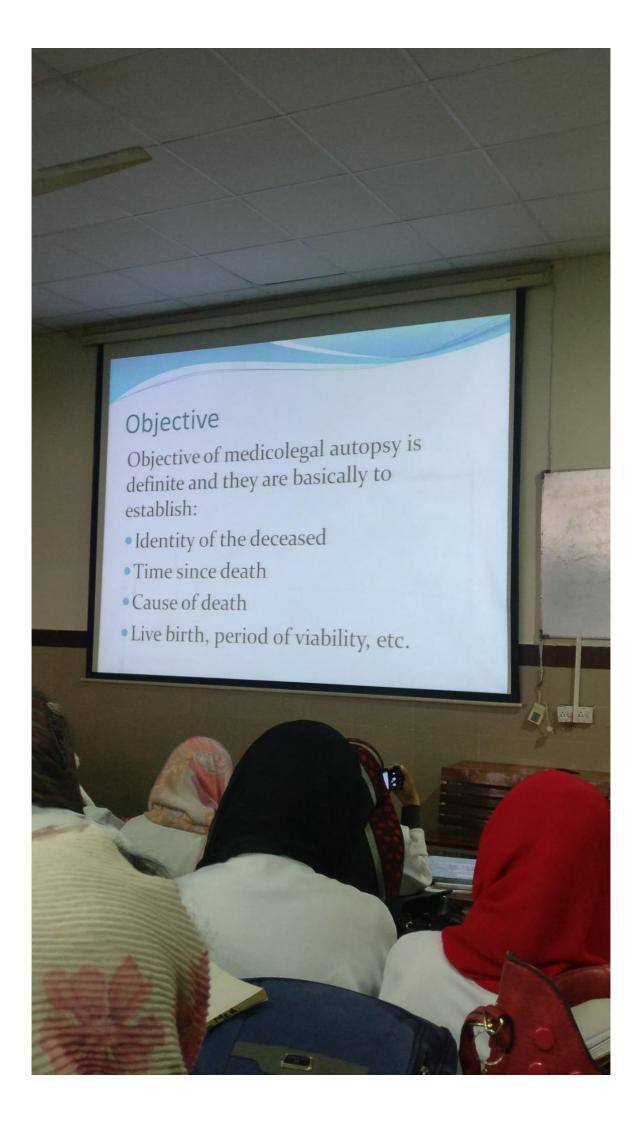


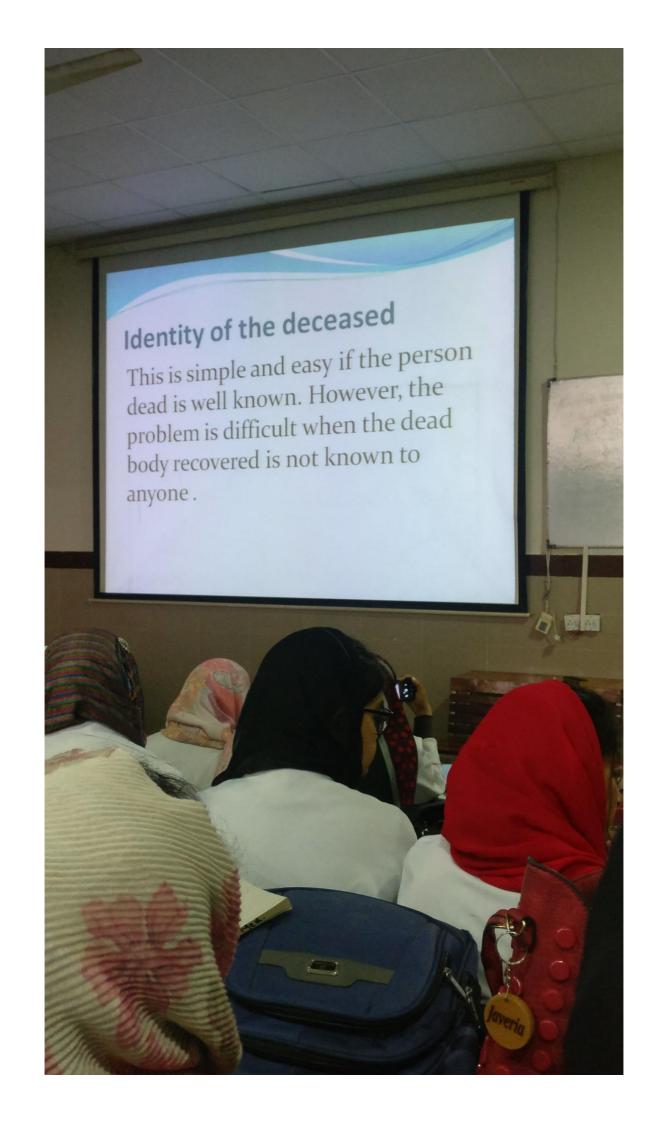


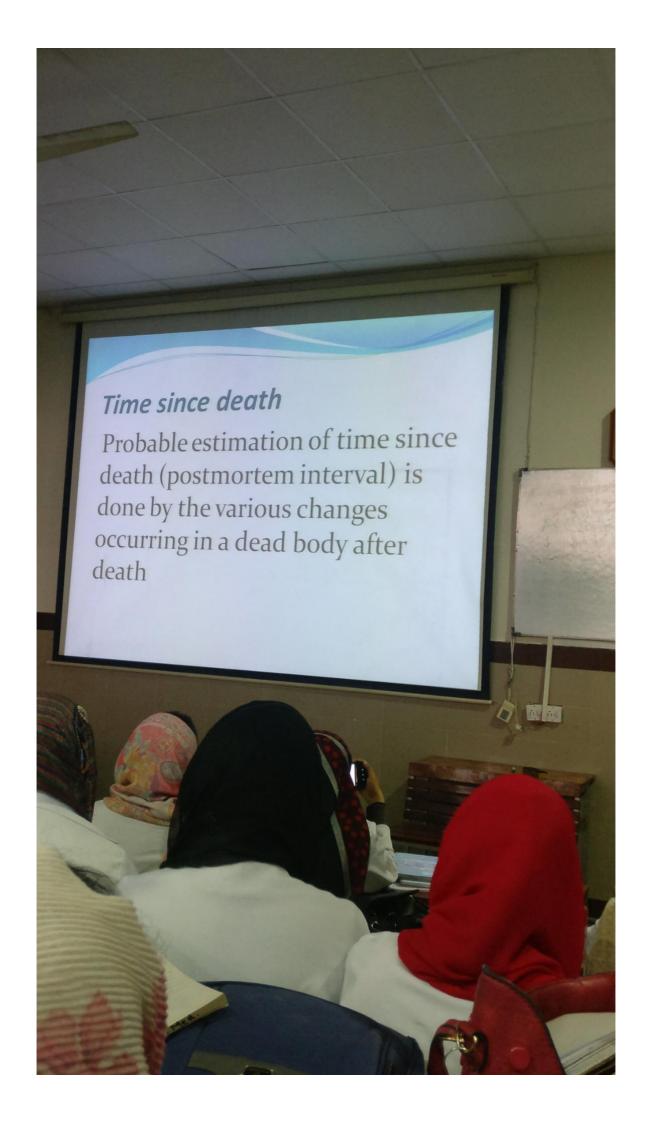


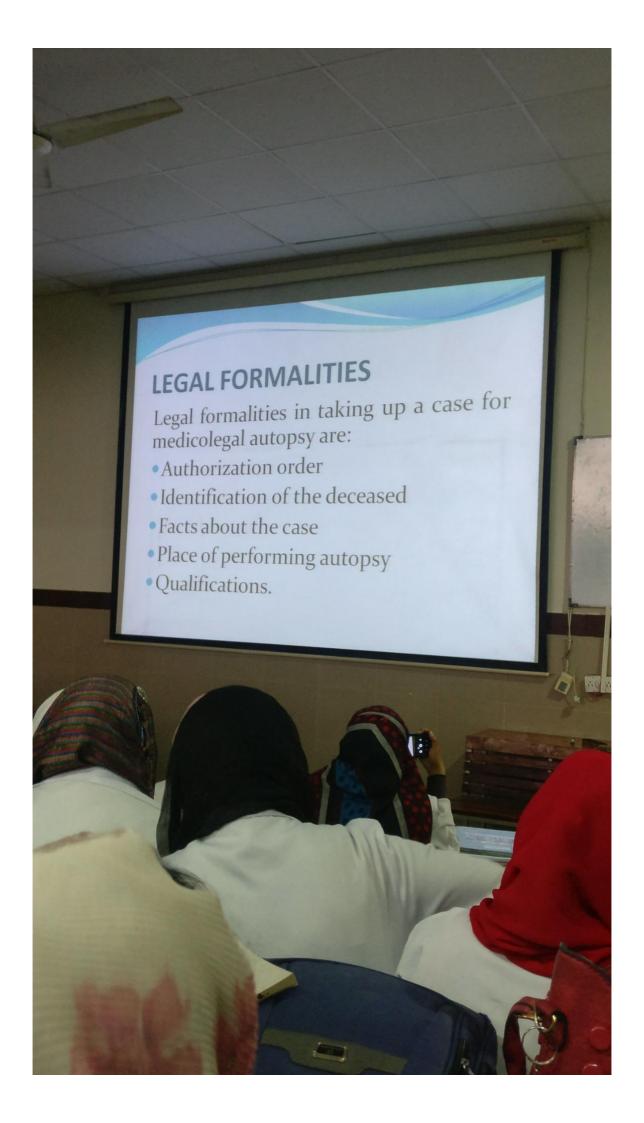


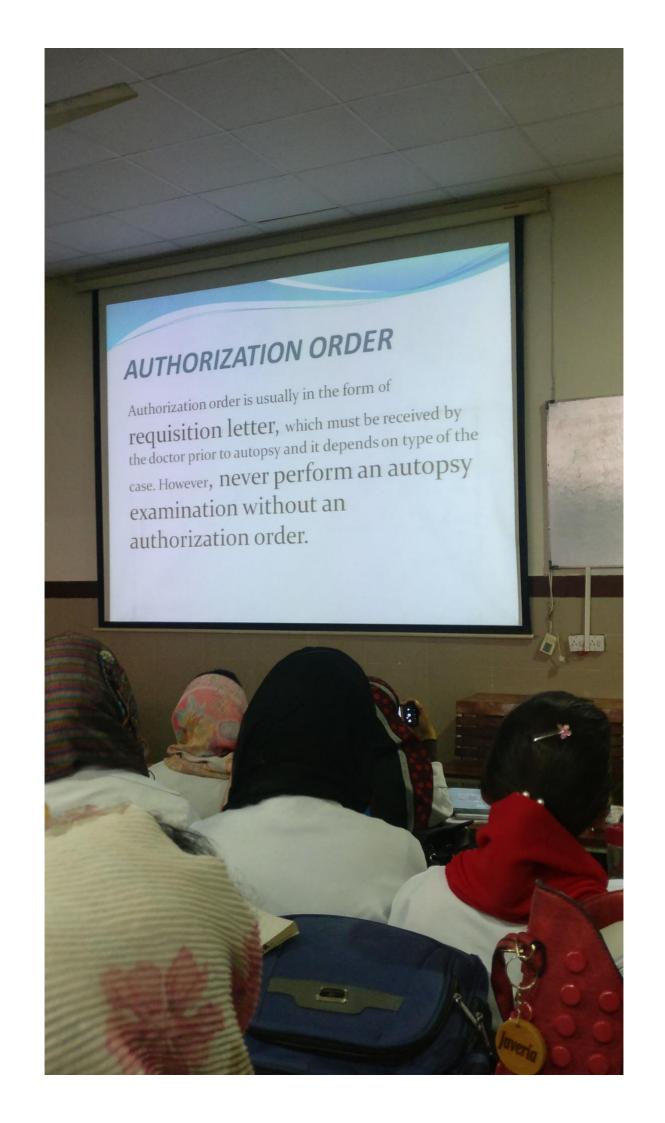


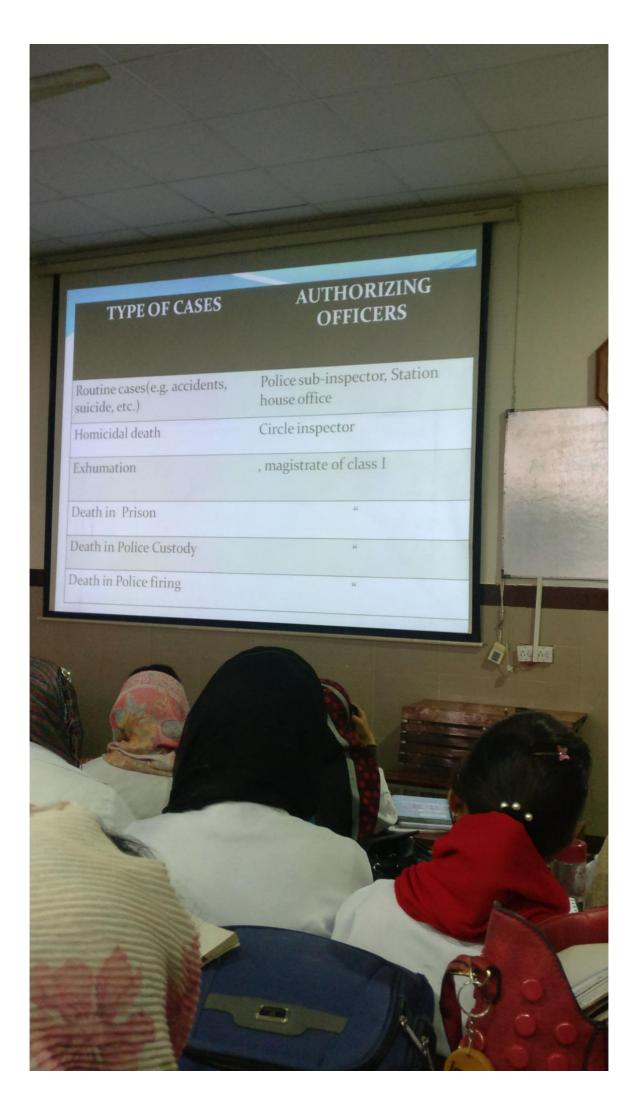


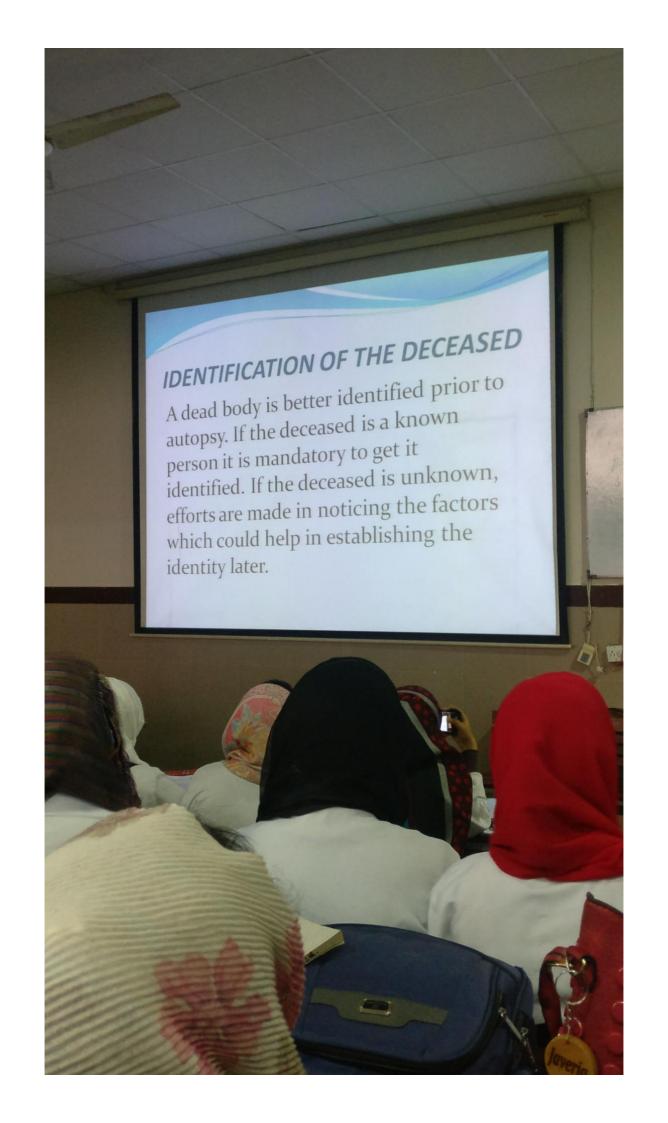


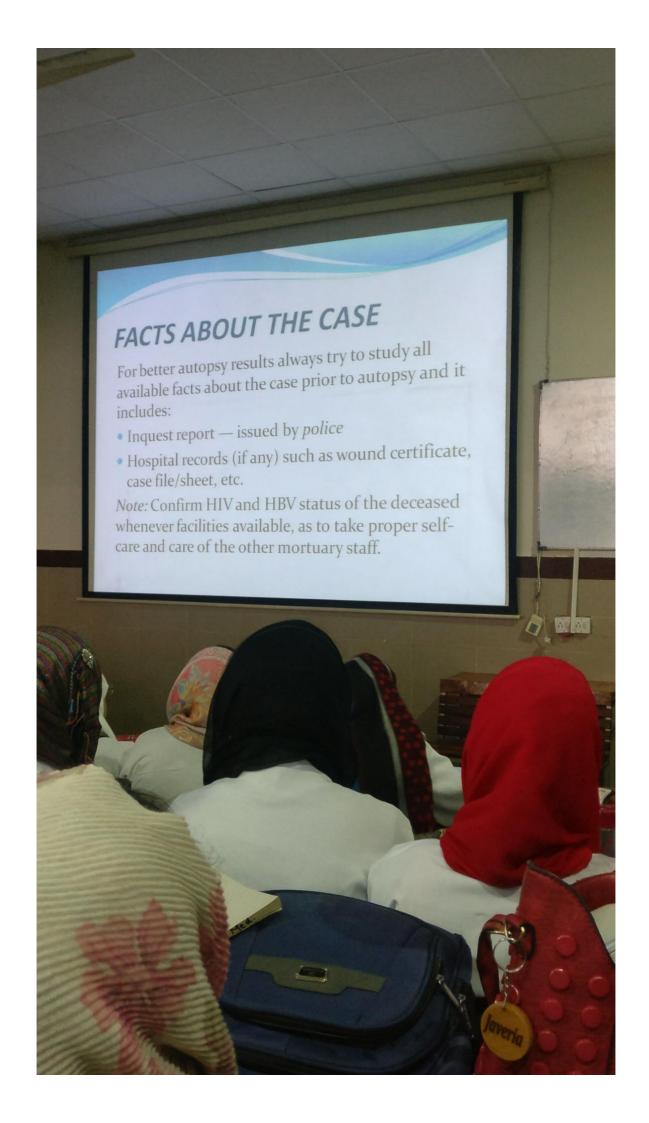




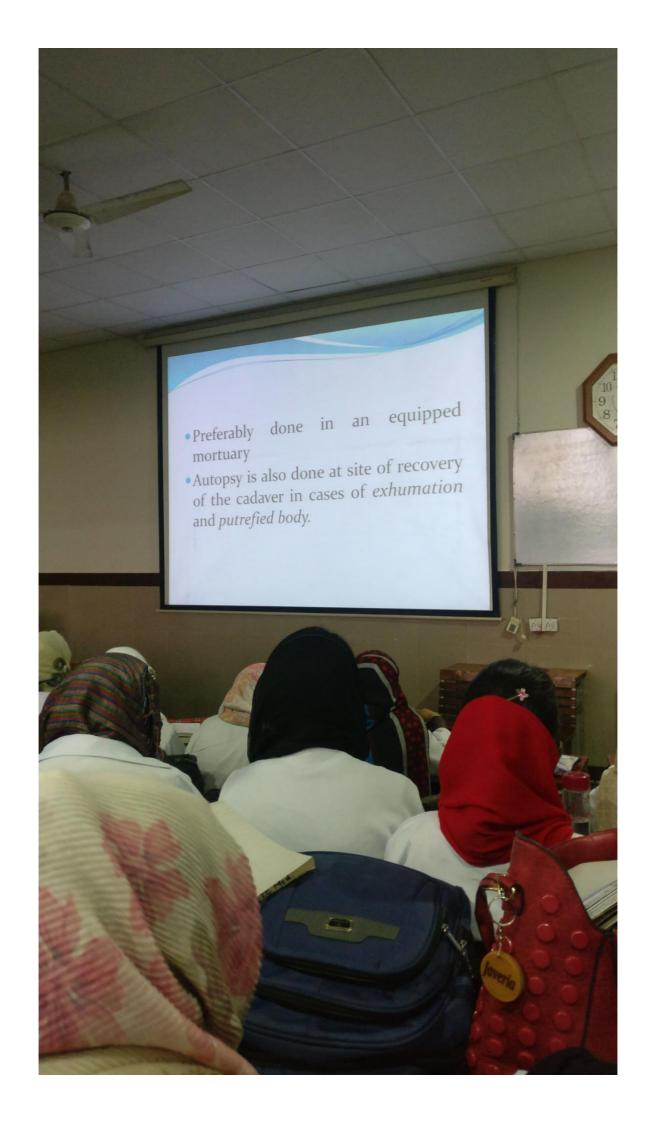


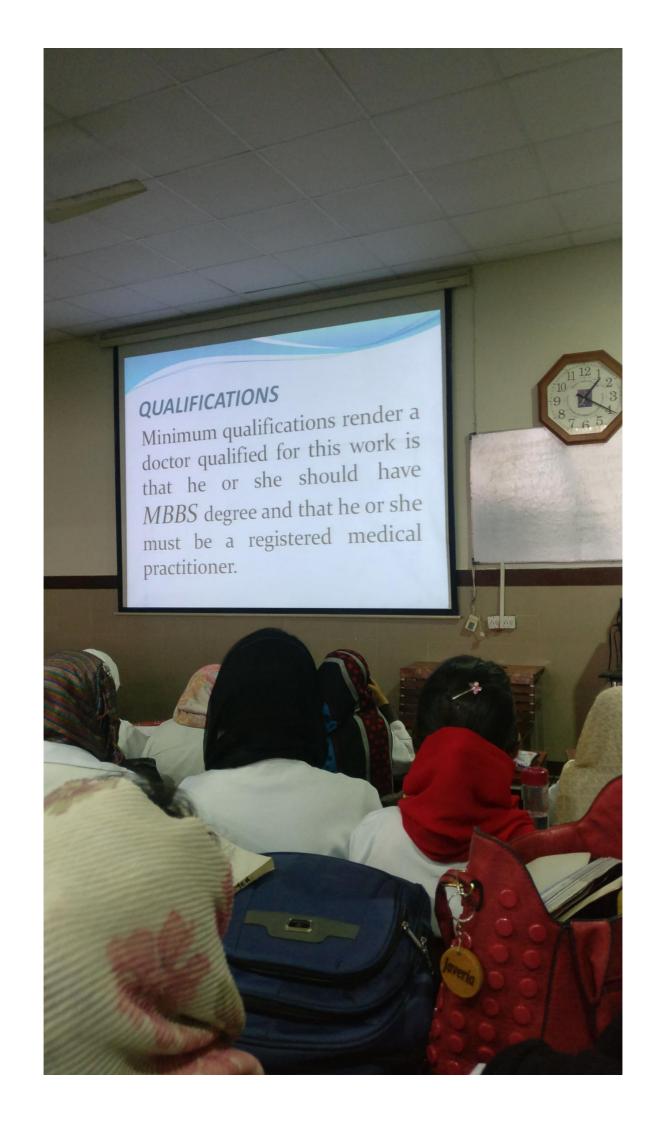


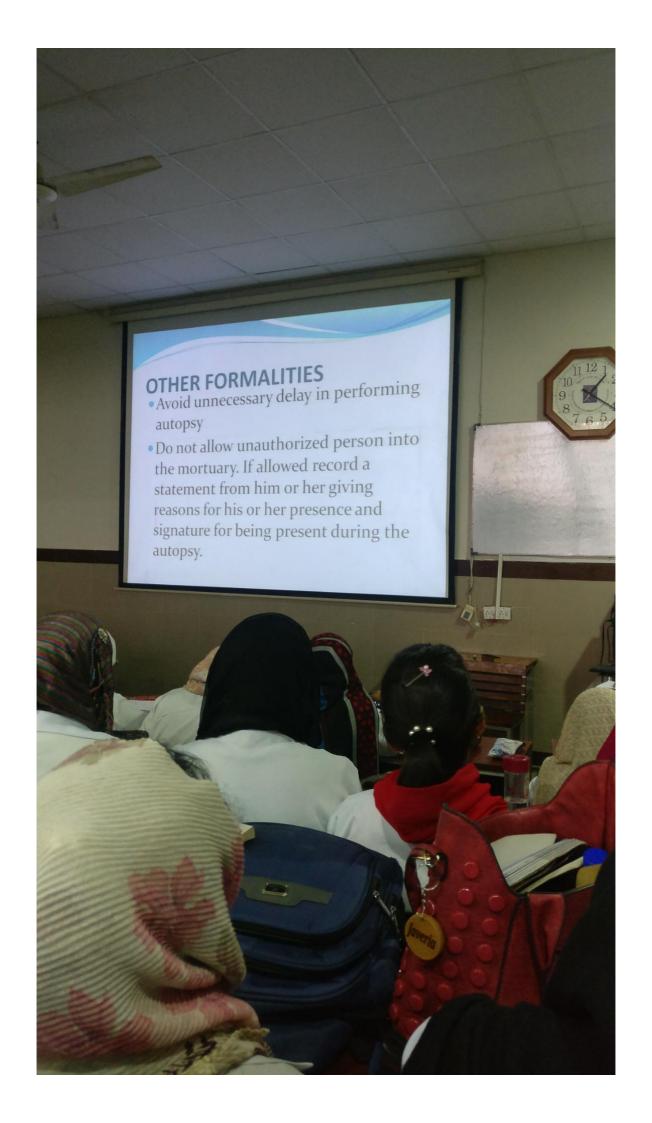


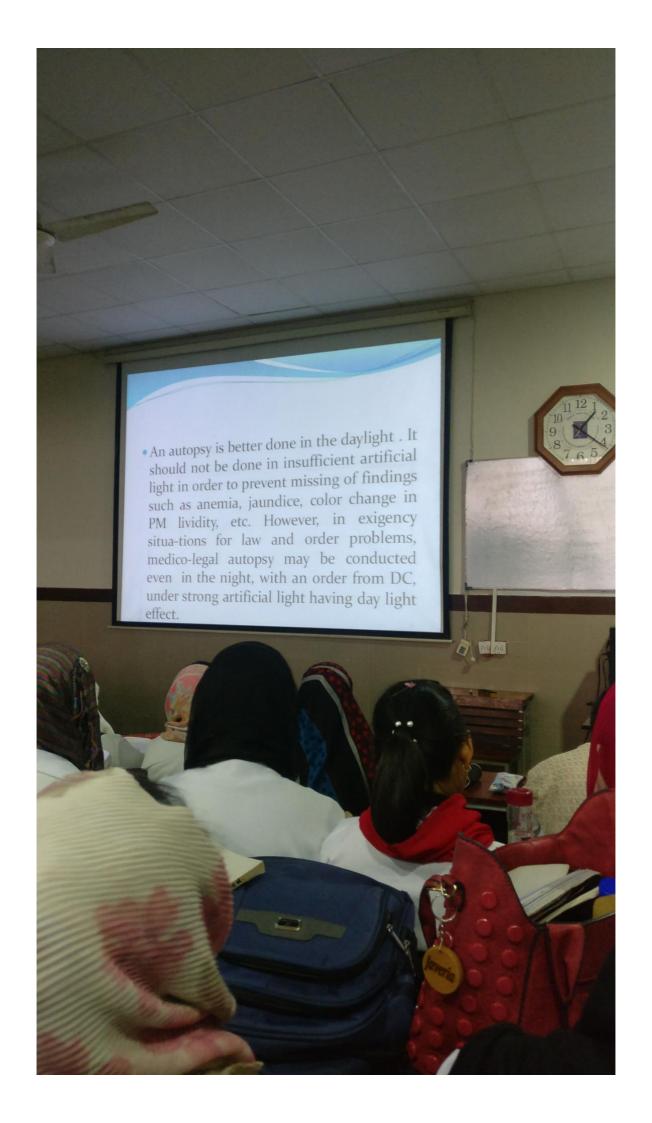


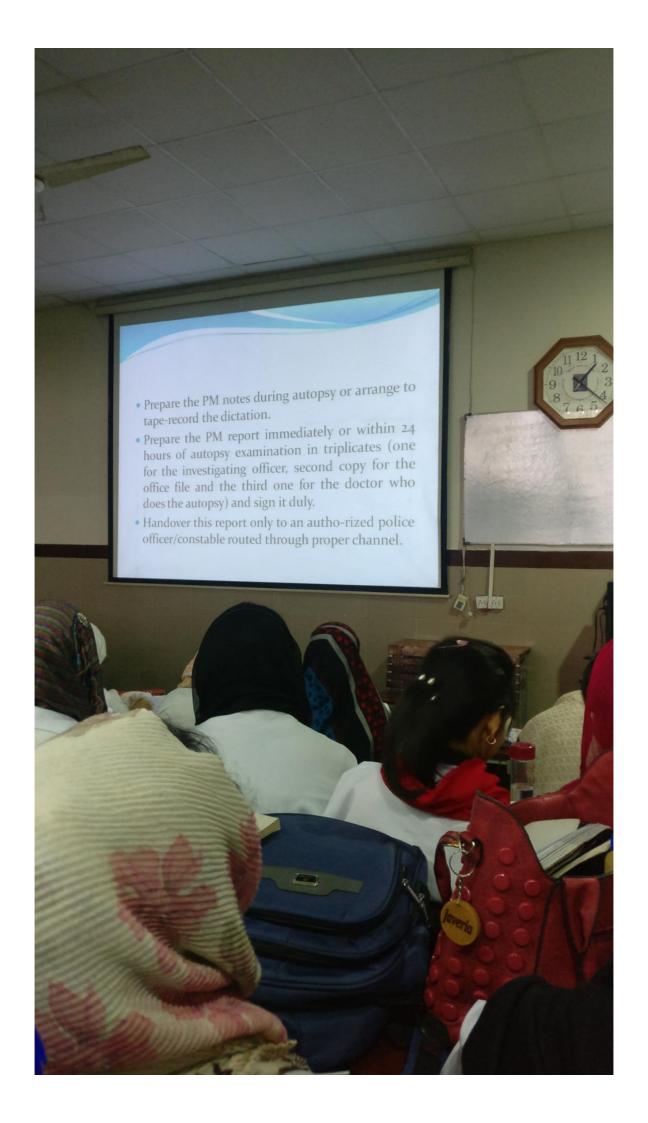


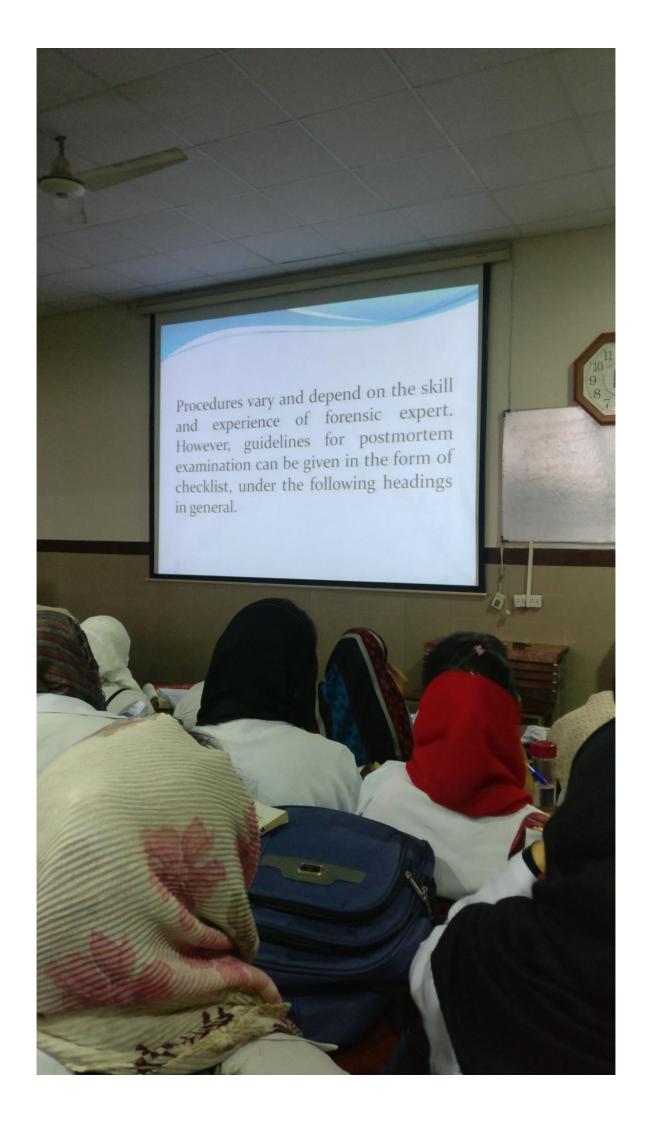


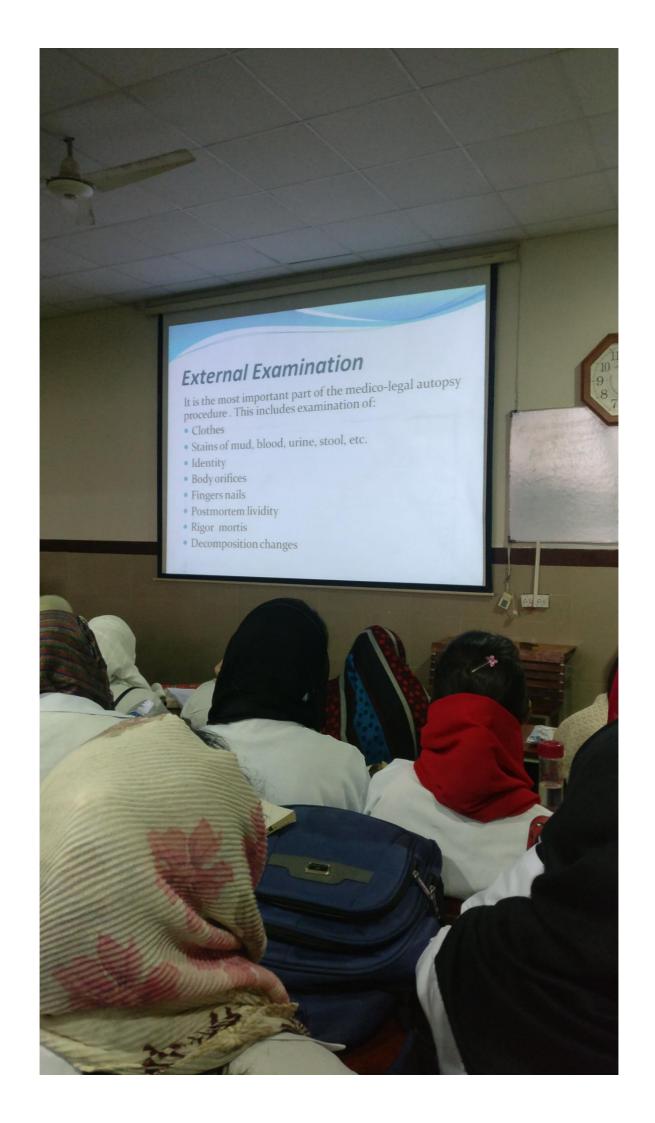


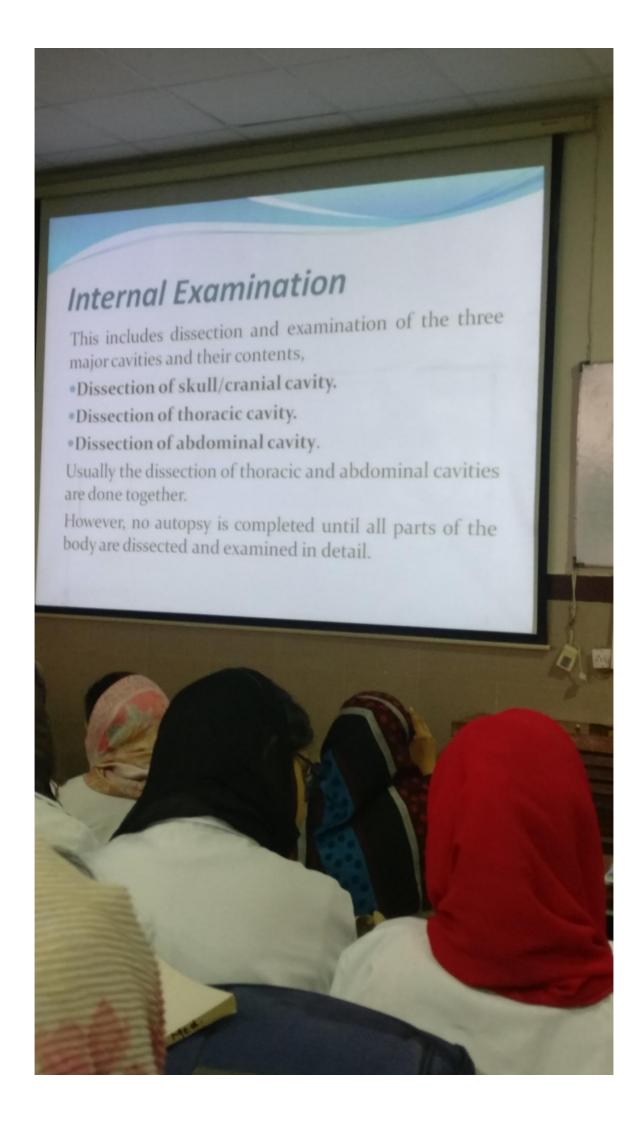


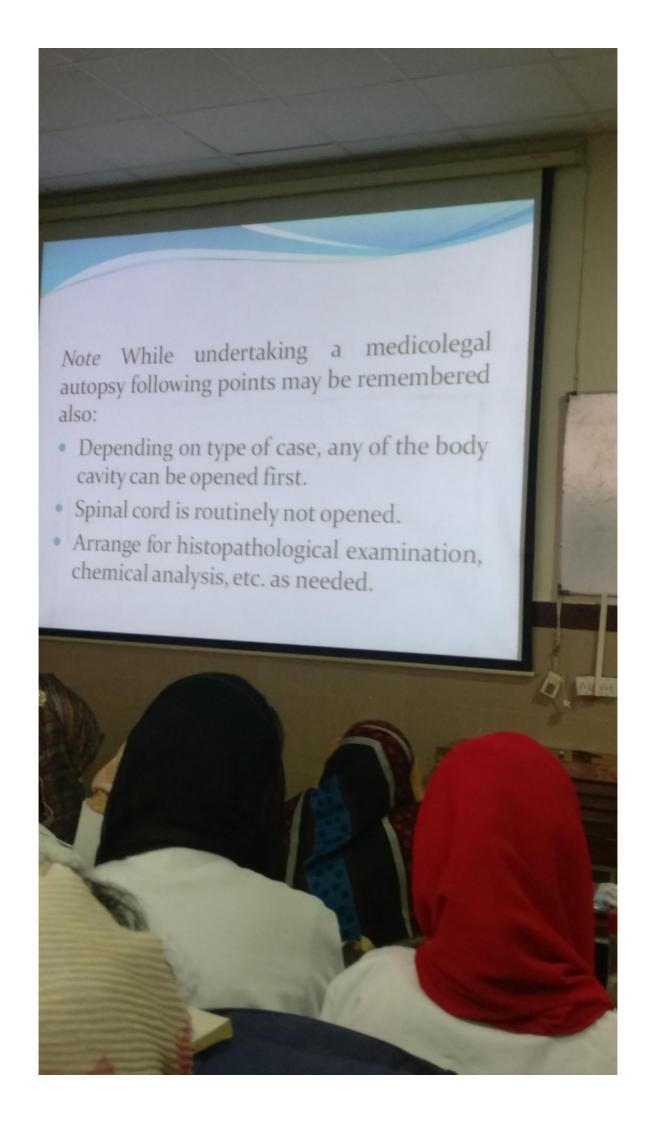


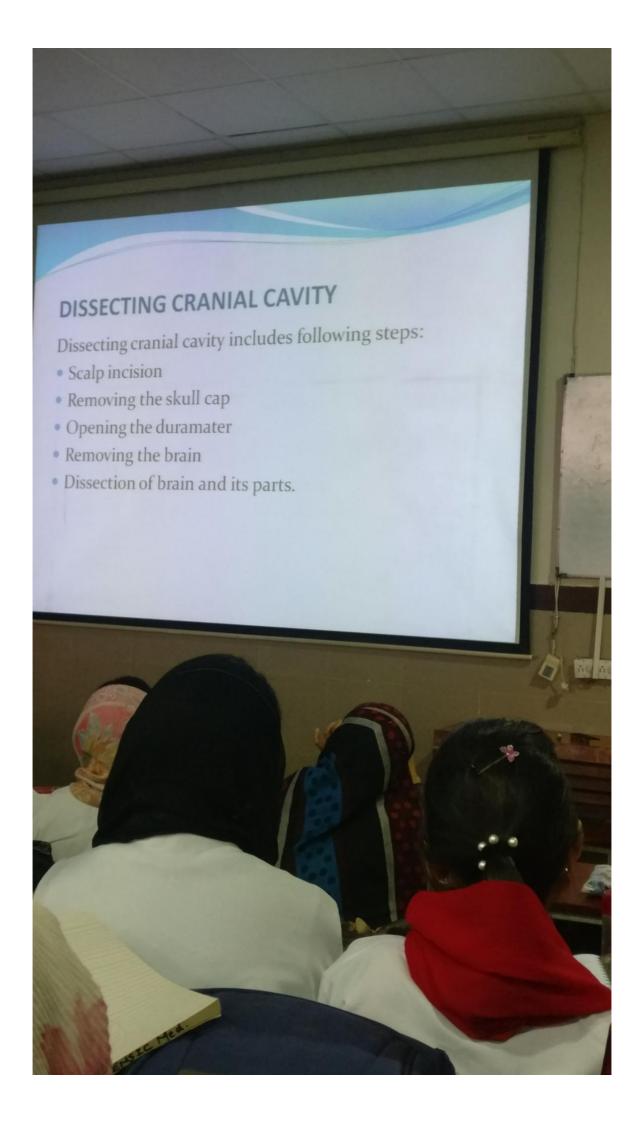


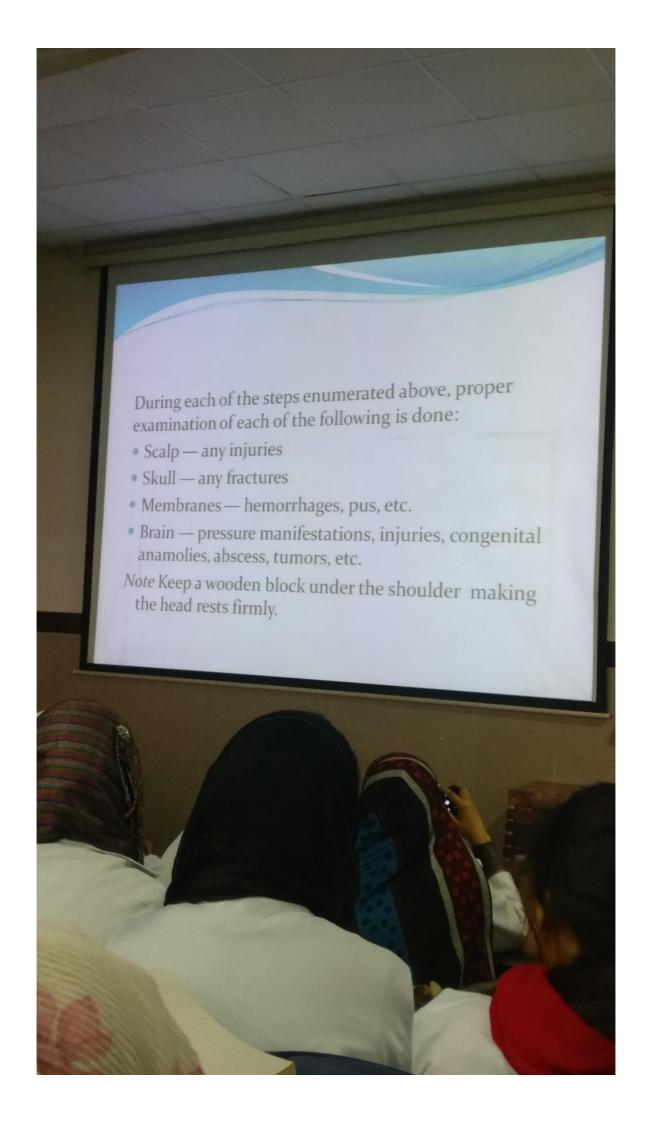






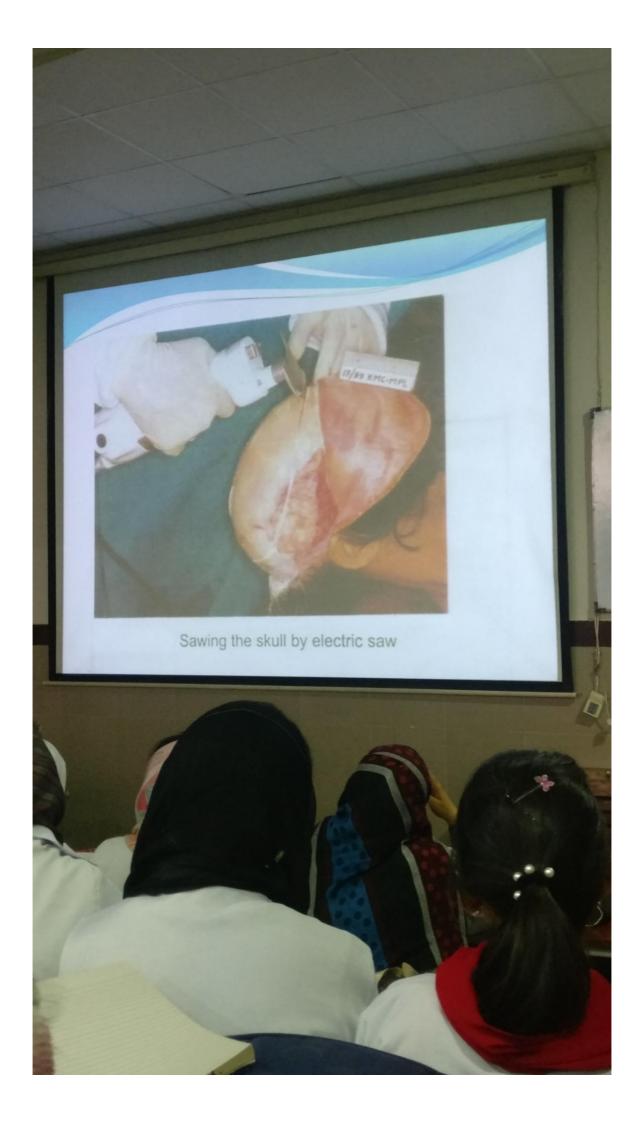




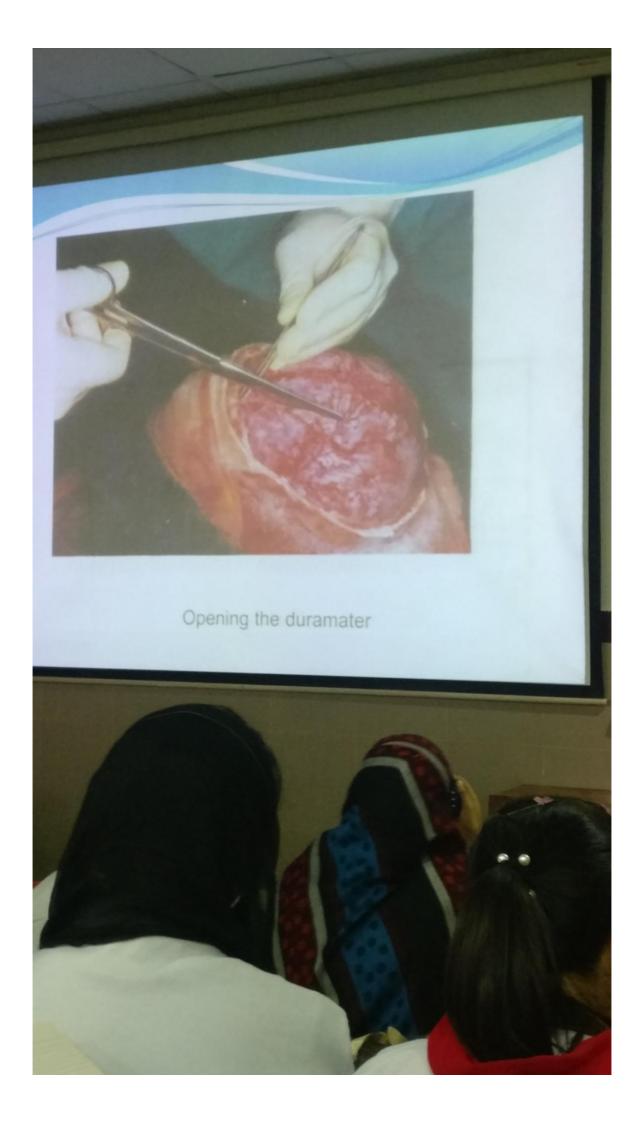


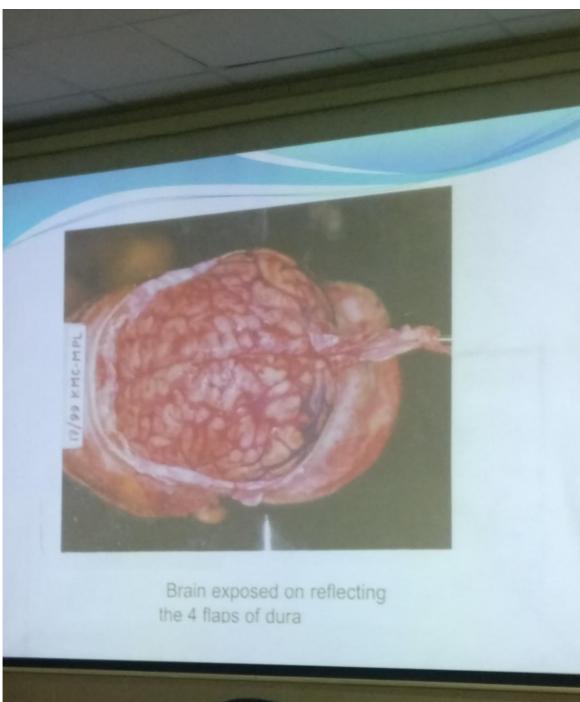




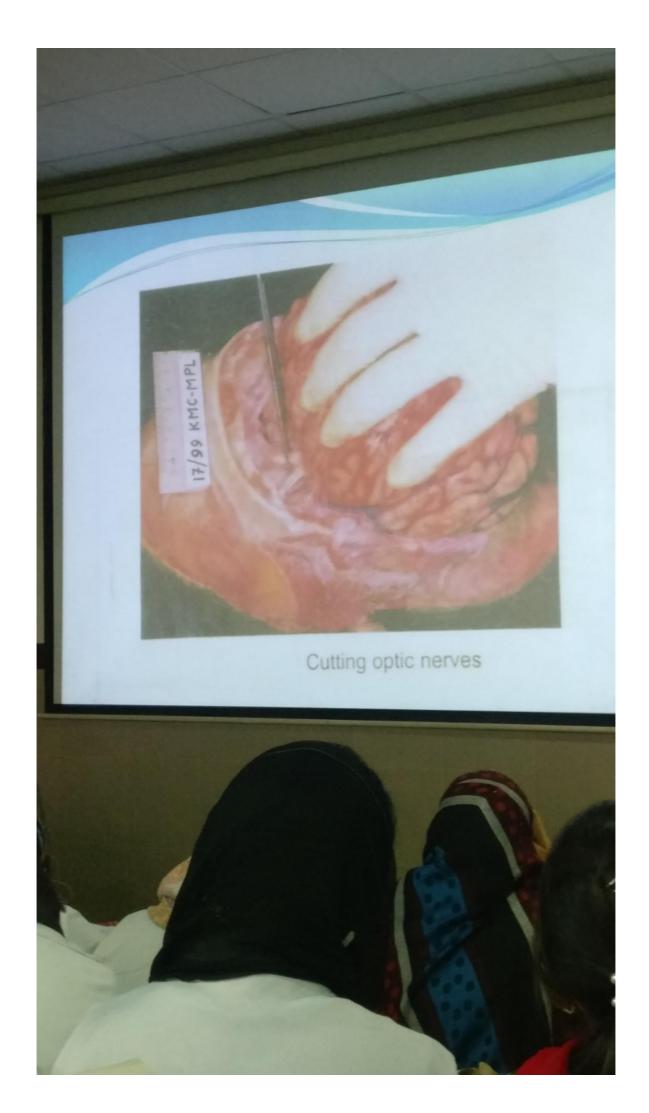


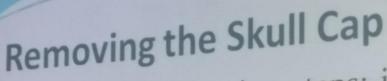






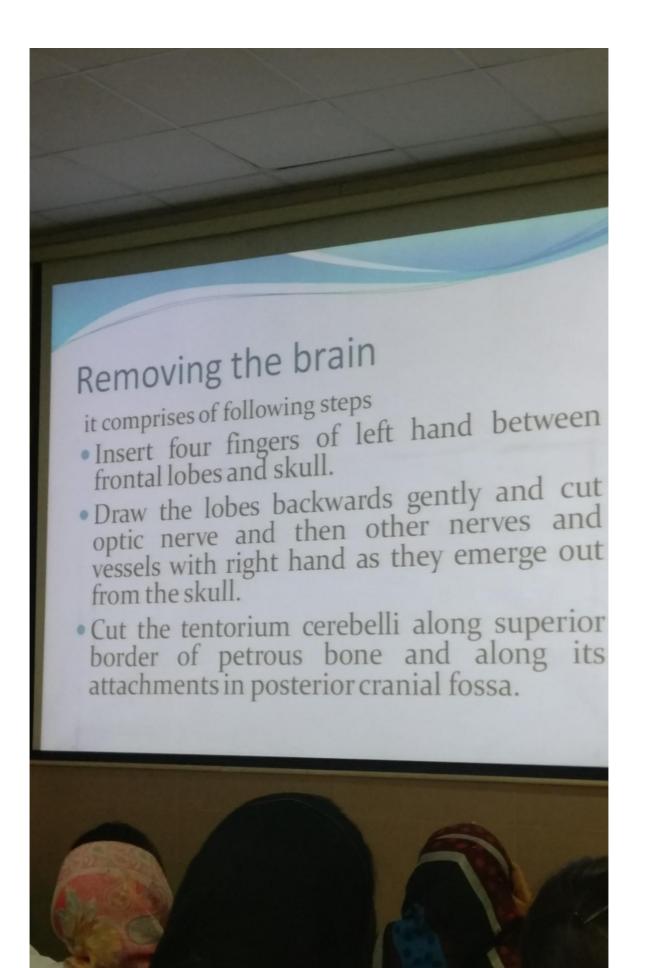


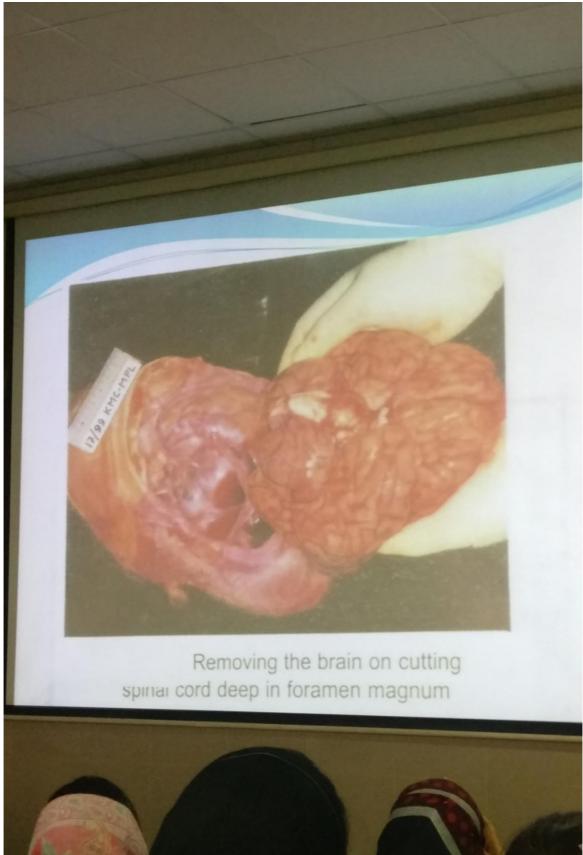




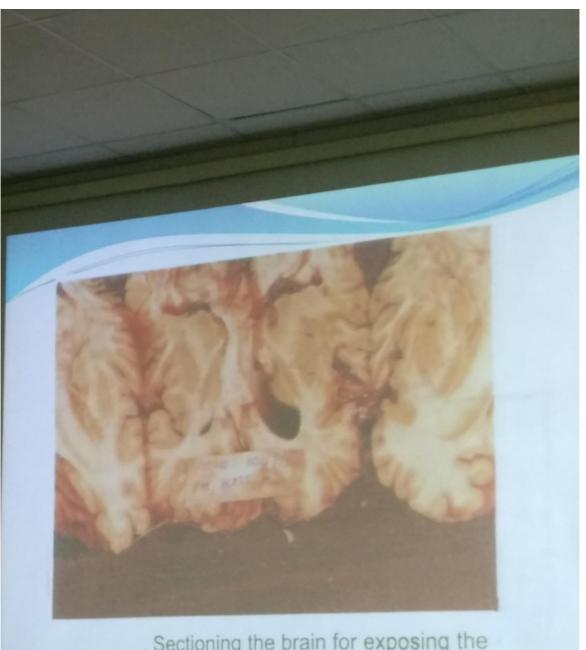
Comprise of following steps: incise the temporalis muscle and cut it along its origin and reflect down on both sides. Next, saw the skull bone a little above superciliary ridges infront and occipital protuberance behind.





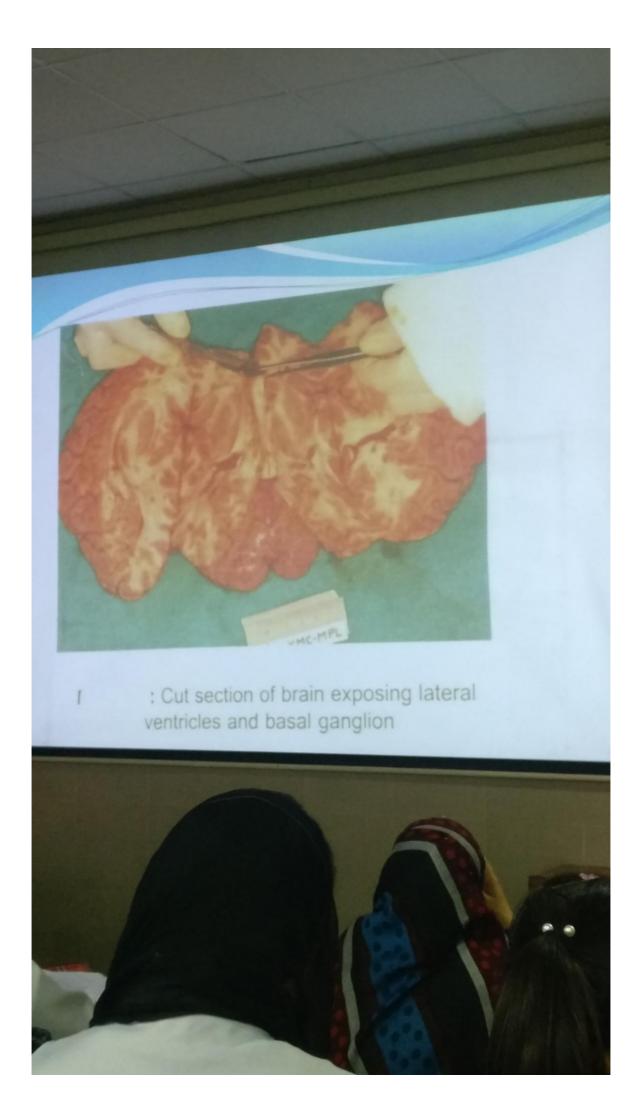


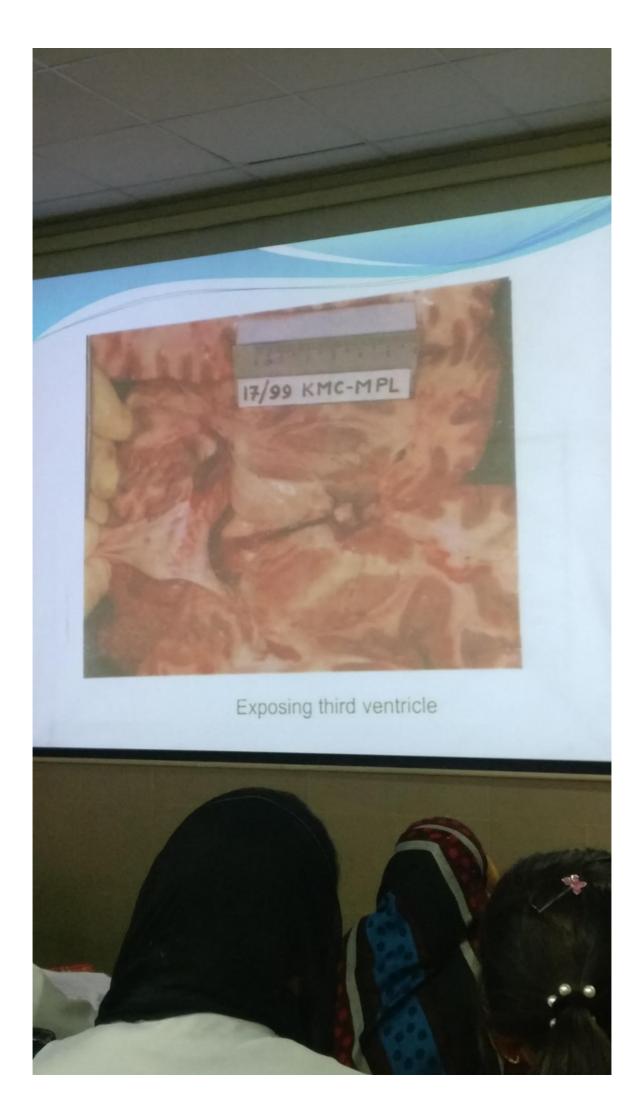


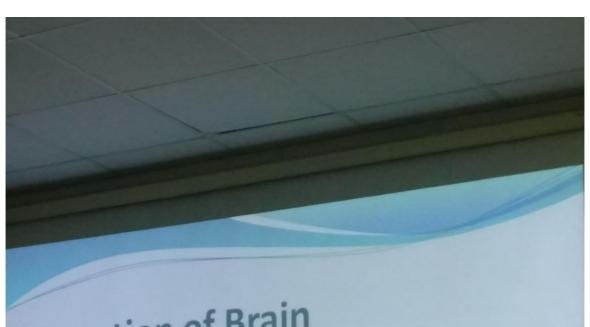


Sectioning the brain for exposing the lateral ventricle and basal ganglion





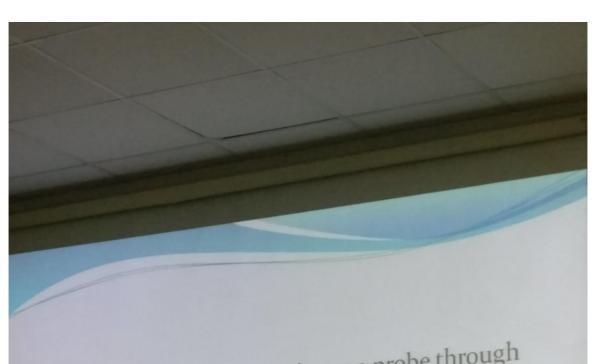




Dissection of Brain

- The cerebral hemispheres are separated first by left
- Using a brain knife, placing it in the longitudinal sulcus, cerebral hemispheres of brain is sectioned on either side, just above the level of corpus callosum, exposing basal ganglion, the lateral ventricles the choroid plexus and inter-ventricular foramen, are examined
- Next cut the fornices and corpus callosum and reflect it backwards. Examine thalamus and caudate nucleus.





• Third ventricle is now exposed, pass a probe through aqueduct of Sylvius

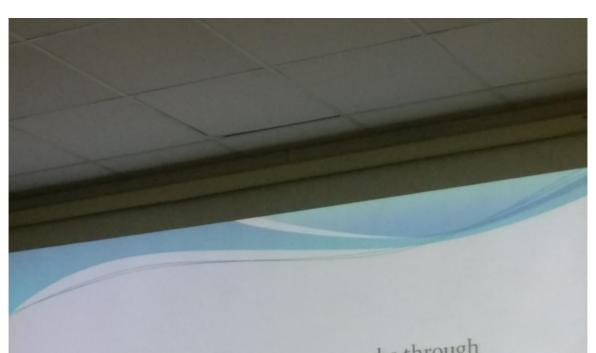
• Expose now fourth ventricle by cutting along vermis in midline by a scalpel.

• The internal and external capsule and basal ganglia are now exposed and examined.

 Remove cerebellum and brain stem now by cutting through cerebral peduncles.

 Make sections through the pons, medulla and remaining cord





Third ventricle is now exposed, pass a probe through
 wedget of Sylvins

• Expose now fourth ventricle by cutting along vermis in

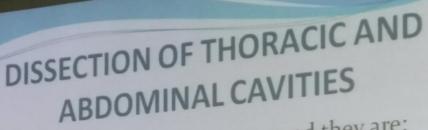
midline by a scalpel.
The internal and external capsule and basal ganglia are now exposed and examined.

• Remove cerebellum and brain stem now by cutting through cerebral peduncles.

 Make sections through the pons, medulla and remaining cord.

• Expose dentate nucleus by cutting the cerebellar hemispheres.

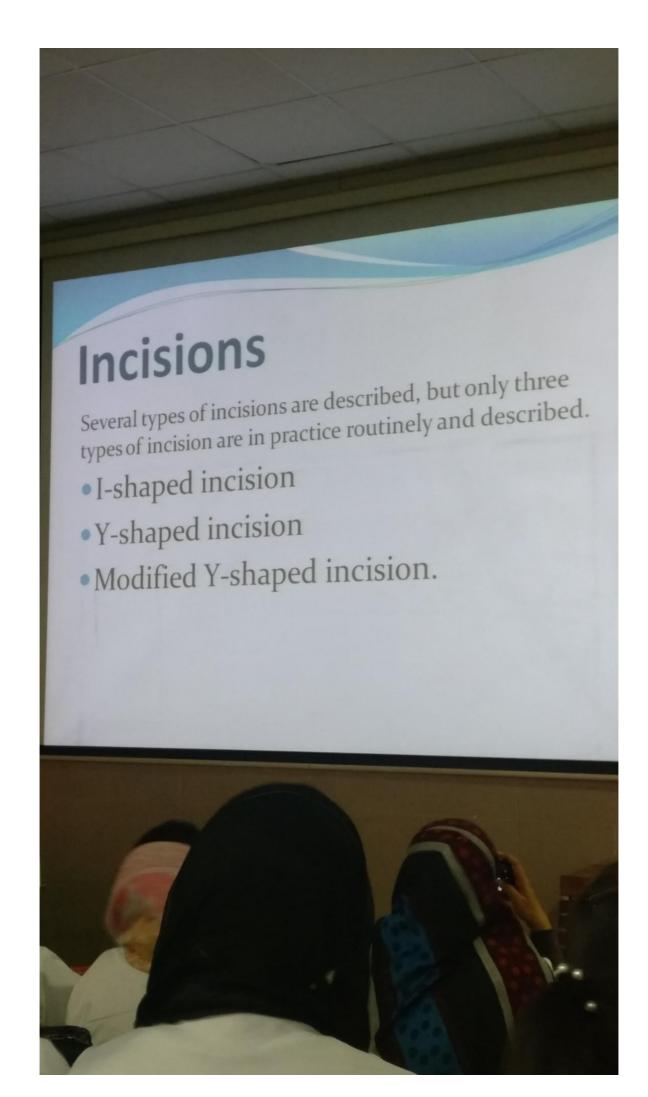




The procedure includes several steps and they are:

- Incisions
- Removing the abdominal and thoracic viscera
- Closing the body
- Handing over the body
- Preserving/dispatch of viscera to FSL or to other laboratories.



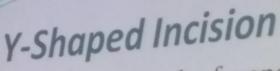


I-Shaped Incision

Extends from symphysis mentii to symphysis pubis taking curve towards left around umbilicus. It is used routinely in practice.

Advantages It is simple and convenient.

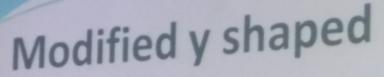




Commence at angle of mandible above on either side and the incision from both sides brought forwards, downwards to meet at the suprasternal notch and then run downwards as in "I" shape incision to symphysis pubis. This is preferred when a detailed study of neck structures required, e.g. asphyxial death due to neck compression.

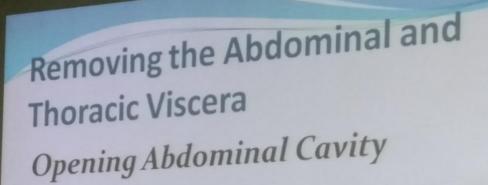
Advantages It has a better exposure and allows study of neck structures.





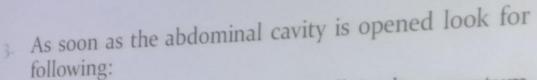
•In this method two incisions commence on either side of the chest from anterior axillary fold , curve under the breast to meat at xiphisternam , and continue as a single vertical incision down pubic symphasis





- The **rectus abdominis** muscle is incised first and then a small nick is made into the **peritoneum**
- Next, introduce the index and middle fingers of left hand into the peritoneal cavity, lift the abdominal wall and extend the cut upwards up to xiphisternum and downwards up to symphysis pubis and open the abdominal cavity





• Thickness of fat in abdominal wall, in the omentum and around kidneys

 Presence of fluid, pus or blood in the peritoneal cavity

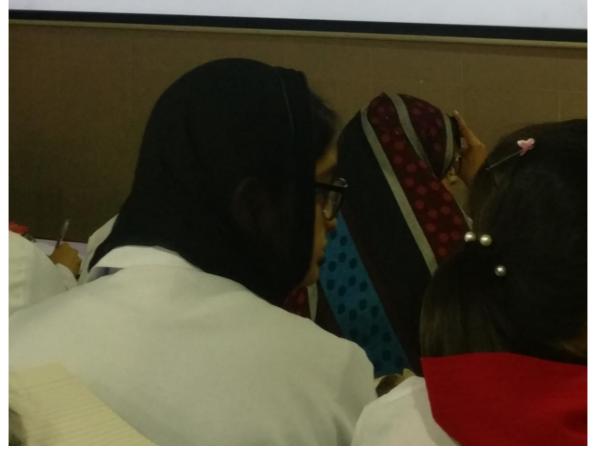
 Evidence of perforation, obstruction, twisting, etc. of gastro-intestinal tract

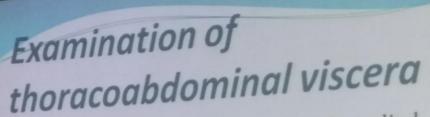
Mobilize the large intestine by cutting along peritoneal attachments



Opening the Thoracic Cavity • The skin, subcutaneous and soft tissues in the neck and chest are then reflected sideward (Bruising of the thoracic wall, fracture of ribs, etc. may be made note if present).

- Now cut along the costochondral junction, and reflect the chest plate.
- Introduce the hands into pleural cavities and look for blood/fluid collection.
- Disarticulate the sternoclavicular joints on either side, cut the cartilage of first rib and separate the chest plate and remove it.

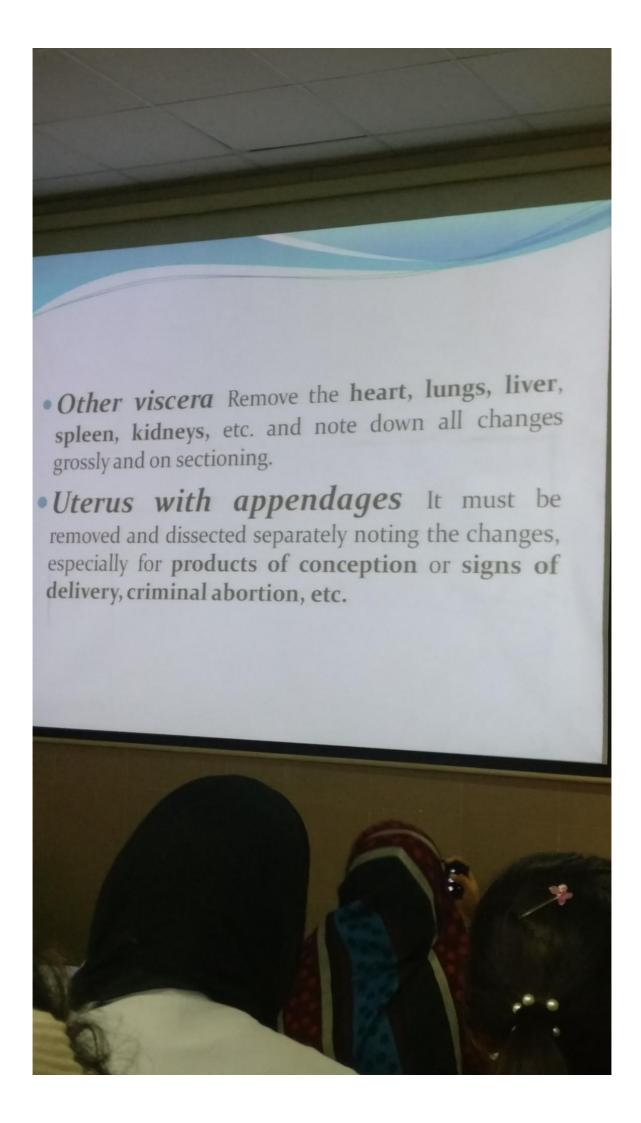


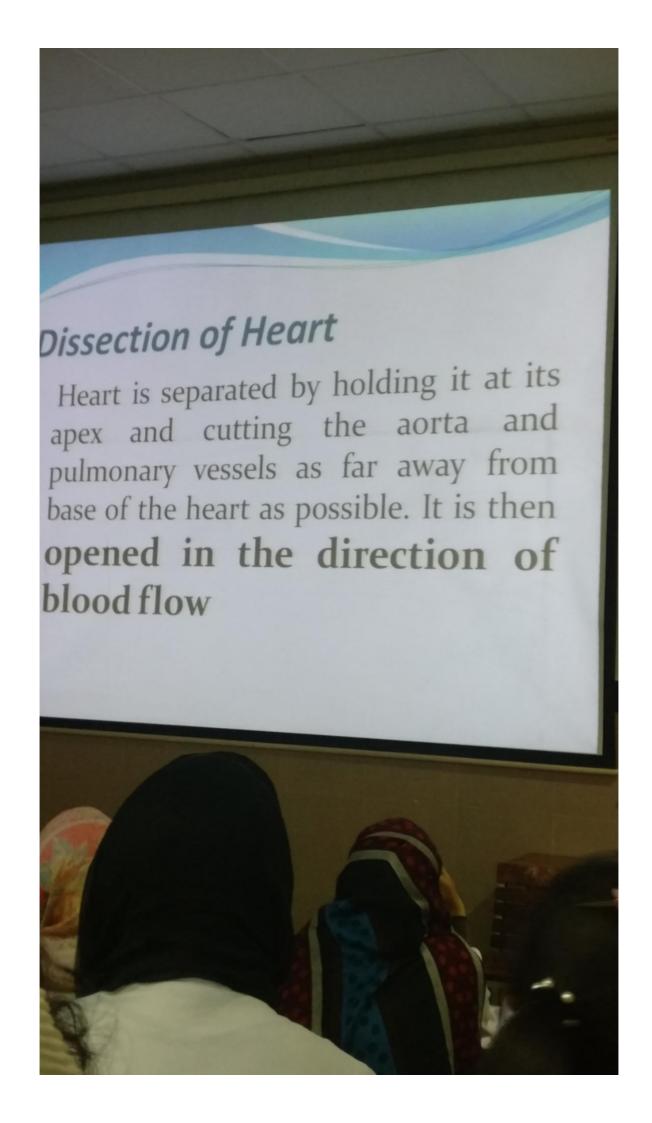


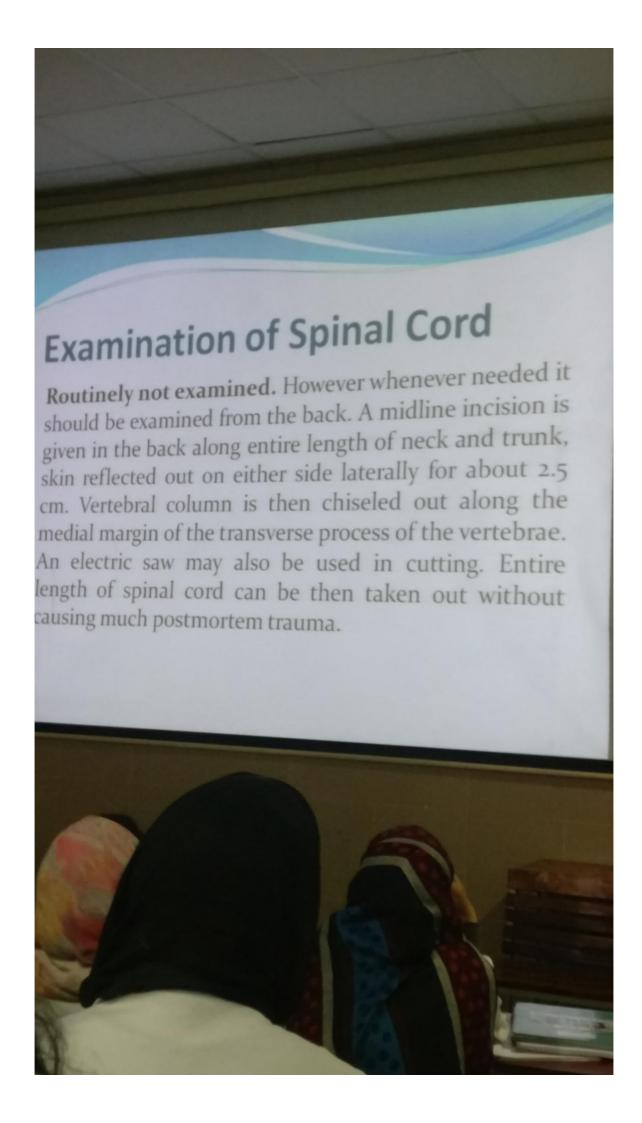
• Each viscera is then removed and studied separately for its weight, gross and cut section findings carefully before further dissection

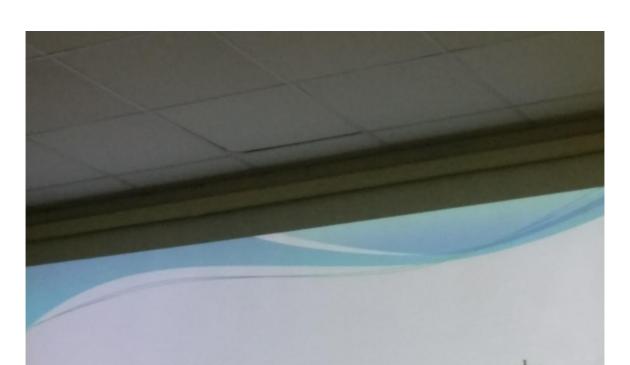
Stomach The stomach is first removed by cutting between ligatures at its cardiac and duodenal ends, and cut open along greater curvature studying the contents and changes of the wall. Smell the contents for any abnormal odor.











Closing the body After complete dissection study, put all the viscera into the trunk and the body is closed properly suturing along the incisions. Clean the body and dress it properly, handed over to police or deceased party.

Handing over the body to the police

Always handover the body to concerned police constable or officer who brought it for autopsy. Take a written statement for receiving the autopsied body from the police mentioning the actual date, time, etc. accurately.



