

# Anatomy Is a Misnomer to Aims of Its Study



The word "anatomy" originates from the Greek words "ana" meaning "up" and "tome" meaning "cutting". The dissection or cutting is a misnomer to the meaning of the science. Anatomy means the science dealing with the structure of the human body not its cutting. Dissection is not an aim but a mean of anatomy study. In the past, studies of anatomy have mainly depended on dissection, but nowadays, with imaging technology, it is easy to see the structure of the body without such dissection. Other means of study of anatomy include synthetic models simulating the structure of the human body. Imaging such as X-rays, CAT scans and MRIs is another mean of anatomical study. Human body photographs and movies are another method for anatomy learning. Moreover, attendance of surgical operations even through a screen could approximate the study to the mind of medical students. When the surgeon operates in the theatre in an anatomical manner, this means in the correct position.

Anatomy is the basic medical science. It represents the language and basis of medicine. This reflects the continued and fascination of its teaching. The word anatomy can mislead the science understanding and conflict it with other sciences such as forensic medicine. Such conceptions are common among general populations and even some members of medical staff. This leads to confusions about the aims from anatomical sciences' study.

Anatomist must have a clinical background. Therefore, the anatomist should be a medical graduate. Anatomy isn't a solid science i.e. its study isn't just learning knowledge; but such information must be organized to serve the clinicians in their different specialties. The anatomy represents the inlet for all clinical sciences. It includes many sciences such as histology and cytology collectively known as microscopic anatomy and naked-eye or gross anatomy, named as macroscopic or gross anatomy. Moreover, it includes science of inheritance or

genetics and study of the intrauterine life or embryology. It is also closely tied to comparative anatomy, anthropology, evolutionary biology and phylogeny. Without a good clinical orientation, the anatomists couldn't share in the applied research; and hence study of human anatomy loses so much of its critical importance in medical practice.

It is concluded that anatomy is the essential science for all other medical sciences either basic or clinical. Without a good anatomical knowledge, the clinicians are not so efficient. Also, the anatomists should have a clinical background to intensify the benefits of anatomy study and research.

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**How to cite this article:** Hegazy AA. Anatomy Is a Misnomer to Aims of Its Study. *Acad. Anat. Int.* 2017;3(1):1.

**Source of Support:** Nil, **Conflict of Interest:** None declared