

## Present outlook of anatomy in medical education

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### Abstract

An attempt has been done to bring some of the current facts related to the Anatomy, pertaining to its various issues linked with medical education. The article deals with deep concern about its position & wish this subject of Vesalius will be given more importance being the foundation of the medical sciences. Textbooks, Journals, reference books are all available in compact software. People will shift from dissection hall & class room to computer, holding the mouse in the hand shifting the knowledge here and there to find out what actually they want. It will be detrimental to hand over the complete human brain supremacy to the software material. Google's and other search system should be used with precise objectives and cautions. Let the brain to discover more by its fruitful exercise and study, otherwise the knowledge will be in process of losing its longevity. Search system should not be allowed to master over human brain.

Access this article online	
Quick Response Code:	Website: <a href="http://www.innovativepublication.com">www.innovativepublication.com</a>
	DOI: 10.5958/2394-2126.2016.00087.6

### Introduction

Hardly any medicose after graduation shows intention in joining the post graduate course in Anatomy. This is a hard fact, which one should accept & know especially who are planning the medical education and its manpower. Choice of joining in Anatomy could be virtually related to the circumstances based on either having appeared in entrance examination several time or due to economic constraints etc. I know some of the bright student opted ANATOMICAL career due to unavoidable circumstances or due to predetermined destiny of the life. Anatomy being essential subject of Learning of Medical Sciences, people attention for this subject appears to be negligible in the initial stage of the career. This is the reason why this subject is given step motherly treatment by the Institutions engaged in regulating the Medical Education, while planning the curriculum & syllabus of this subject. This is a fact that regulator treat this subject as a dead subject & gradually determined to convert this subject to an Anatomical model created by computer application. Anatomy in future likely to be seen in software and so its fabrics. It is purely a living subject and more emphasis should be given to its living characteristics. Why such ideas have been generated, its answer will be available in future of the medical sciences.

Anatomy is being taught in First Professional along with Biochemistry & Physiology with the duration of the 12 month. When these subjects are responsible for creating the atmosphere of pursuing the course of

Medical sciences. In such situation it is nothing an conspiracy to lay down weak foundation, so that knowledge related to Anatomy may be imported from outside in future.

Anatomy will be considered an animated learning material without realizing its importance as a foundation subject, what Vesalius said in 1543 in his monograph "de humanity corporis fabrica". If it happens people will not be able to see the dissection hall & glimpse of the real great teacher the Cadaver<sup>3</sup>. The duration of learning has been reduced in view to teach anatomy in coordination with the clinical teaching. However, this concept has never been achieved in majority of the Institution. The coordinated teaching do not take place, may be placed in paper of curriculum only.

When we go through the history of Anatomy, Vesalius contribution in 16<sup>th</sup> Century for the advancement of Anatomical Sciences could be well appreciated. Vesalius was opposed by Galen's followers & he struggled hard to bring the facts of ANATOMY for the benefit of the man kind<sup>5</sup>. One should read the history of the Anatomy. It is essential for basic knowledge of Anatomy as to how it has become a firm foundation to erect a progressive field of the Medical Science. Now, who will become future Vesalius to further enlighten the anatomy in glorious world having lamented Medical Technology.

Recent advancement in Modern technology in diagnostic tools<sup>2</sup> & further understanding of the disease process, has also developed another field of Corporatization. It appears that money is more important than the life of individual, which could be easily, assessed seeing the extensive money involvement in the treatment & diagnosis of the patients. India is still a poor country. Where do we stand today? It is still debatable, as to how much progress did we make in Medical & health services especially to find out the mechanism of the disease process and treatment.

Today, some of the Medical Problems have been clubbed as a Life Style disease & various nomenclatures have been evolved in expressing the situations in Medical Sciences, because we do have limitation to express in view of the Lack of definite knowledge. Similarly when patient dies, often a world multi-organ failure is used to decorate the understanding of Medical Sciences in present scenario.

I still feel a good Medical Education with dedicated people is needed to serve the Community, otherwise the contribution of human being will remain unappreciable. Dedication by the workers in this field will be able to provide sympathy & affection to the ailing patient & would be able to serve the community in real sense, moreover nobody is going to be immortal<sup>4</sup>.

Ultimate aim of the medical education is to provide medical care to the person suffering from disease for their speedy recovery. You know that while making the discharge certificate often doctors community write a safe words that patient has been relieved & discharged with certain suggestions. No body / institutions can give a certificate for the permanent health cure so that individual will never suffer from illness in future too.

Nowadays when we do not find any suitable answer, than we take the help of the genetic knowledge to finally put the blame transferred to the DNA & RNA material & its activities. If this is present status than how could we say about the progress in Medical field.

The above story once again gives us an understanding that nothing much have been done to find out the knowledge of this fabrics of human body. Therefore, again we come down to the foundation that is ANATOMY to think why this subject has not been given a due importance as compared to the other discipline of the Medical Sciences. As usual the foundation of medical science remains covered by sophisticated & glorious super structure of medical science to enlighten the status without realizing the fact that foundation is still weak. This is our main concerned as to how to improve the basic knowledge of human body.

### **Taking career of anatomy**

At last the Medical graduates enter in the Corridor of ANATOMY. The job problem is much serious these days. Appointments are usually done on contractual basis without future stability security & hopes for its continuity, although several Medical Colleges started in Private Sector. The reduction in faculty positions is also alarming as done by MCI without giving any reasons in this regards. This will give further disappointments in newly admitted post graduates of ANATOMY. After the MD degree, some of them may get difficulties in obtaining appropriate jobs. This will give stress to the workers & there are chances that further progress of this branch may be restarted. This will alone affect the progress of Medical Sciences in future. It is going to

block the anatomy career to the medicose, where as in the clinical subject will provide lot of job opportunity.

This is apparent discrimination in the medical science fraternity. The clinical people can earn bread & butter by opening a clinic or could get job in hospitals. Anatomists have limited jobs & that to in only Medical College although growing in number but the faculty position has been reduced without realizing the foundation of Medical Science. Future will not forgive them. Sushruta said that without Anatomical Knowledge and its perfection, one would not become a good doctor<sup>1</sup>.

### **Planning of the teaching in anatomy**

The status of the syllabus/ curriculum has become a mall culture, where a Quick knowledge could be delivered without emphasizing the consciousness and importance of its utility for the mankind. Every time some experiment is done to introduce something new in curriculum & for that guidelines are given by Medical Council of India. Individual Universities & Medical Colleges are asked to adhere to the principles as directed by the MCI on the contrary the AIIMS have been amended as an autonomous. Why this discrimination in system exist in country. It is amazing.

You know the MCI is regulatory body. It simply counts the heads & material while inspecting for the recognition. Once inspection is done then, what happen that reverse rotation takes place for original position & the drama finishes. MCI for this takes adequate money from Medical Colleges. How could MCI assess the quality of the Medical Education in such a short period? Institutions are asked to arrange Medical Education programme but its reality is well known to every person engaged in this field. We have to go back again on the selection criteria, only those people who are committed to provide best possible services to the ailing, should be taken in Medical Education. Person who have devotion, dedication, sympathy, and honesty could do the best for this profession. Such people could also do something in research activities. Unless the process & mechanism improve to provide the best Medical services to the needy person, the utility of such institution may not be sustainable and therefore credibility is not determined. This is how people move towards the corporate sectors organization to fulfill the aspiration of getting best possible medical care.

### **Research in anatomy**

It is essential part of the academic life. It gives feedback of the understanding & provide wider platform to update once self with the recent advancement in the Medical Sciences. Publication in research is must so that let the people know & work could be critically analyzed for how much it could be useful for the future. Financial support, peaceful environment, good sustainable laboratory, manpower, library etc. are needed. A good laboratory with essential

equipment's could provide smooth running of the hypothesis designed<sup>4</sup>.

Quality in research comes after fruitful devotion towards efforts and innovation in the subject. Thesis is submitted by Post Graduate should be well supervised and basic exposure of research and its methodology should be framed and given before the start of project. Work must be standardized & preliminary hypothesis of the topic needs frequently review to avoid multidirectional results. A good & authenticated results requires sufficient time & it should not be time bound. Otherwise piece meal papers will be presented or published comparing the data of the various workers. A good exposure & interest will create attraction towards probe / research in future. A high fi research topic is not very important topic suitable to contribute for the mankind should be the ultimate goal.

The department should be liberal in promoting the atmosphere by supporting infrastructure of the research. A good generous atmosphere & cooperative attitude will certainly help to generate fraternity which will also very important for the encouragement of the workers in this efforts in achieving something in his / her mission. Research is a continuing process & often people get setback however, there should be full scope of the redressal process, with optimistic approach.

### Conclusion

Once again, I move towards the history of Anatomy & wish to keep a hope that we will have more Vesalius of 16<sup>th</sup> Century to take challenge of ANATOMY to unearth more basic/ fundamental aspect, which could help the Medical Science to evaluate some of the issue of the mechanism of disease process<sup>3</sup>. Basic Science could only explain & its research is only needed to augment the collaboration with clinical subject. Science should not be politicize, it is independent. All are looked after by same nature. The ultimate aim should be directed to provide best possible care to the ailing & suffering humanity.

### References

1. Sinha D.N. (1986) ANATOMY in its recent perspective IJME:25(2):1-3.
2. Sinha D.N. (1992) Anatomy. The foundation in Medical Technology and its role in Medical Education. JIMA 90(8):210.
3. Sinha (1995) clinically oriented learning of Anatomy. Indian Journal of Clinical Practice 6(3):29-30 & 33.
4. Sinha D.N., M.A. Khan, A.K. Singh & Niranjana Richa (2016) Present Trend in Medical Research in Anatomy. Annals of International Medical & Dental research Journal Vol2, issue 2:73-75.
5. Sinha, D.N. (2015) Ancient Human Cadaveric dissection. National Journal of clinical Anatomy. Vol (1),53-57.