

## Research in Post graduate Programme.

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### ABSTRACT

Research orientation in postgraduation is must to understand the natures gift which has become unknown. Interpretation of the outcome further ignite the brain to nurture the event of awareness towards the human benefit is more important. Training, information and laboratory discipline results in innovative work. Honesty in work following protocol could lead towards real attempt of scientific understanding. Determination, devotion and transparency will lay the result for the documentation of the research.

**Keywords:** Research, PG Thesis, Publication.

### INTRODUCTION

Research is an integral part of the education. it is needed to update the knowledge in the particulars field. Medical education being biological science therefore rapid change in seen due to advancement in Technology and in view of changing scenario of disease process & its mechanism. Research may be considered as a process to get our self-aware, which is often not understandable. So, it is a part and partial of the event of unearthing awareness, which one wants to bring to the notices of the faith in the Process of enhancement of the knowledge. Medical education being a humanitarian science work for the prevention of disease & for the treatment of suffering. It is bigger challenge that as yet we have not been able to putfourth the acceptable & concrete solution of the cure of the patient. In view of this, research orientation, research & thesis programme has been introduced in postgraduate curriculum in both clinical & non-clinical subjects. This is aimed to learn the research methodology & a kind of scientific exposure to pursue the research if opportunity is available to conduct research in future. This thesis submission has become essential in curriculum & first part to be cleared for the appearance in MS/MD examination. After the acceptance of thesis, by the appropriate examiners, the individual is permitted

to appear in final examination of post-graduation. I remember, the thesis used to be rejected or advised for modification before 1975. The examiners used to read carefully & proper review of Thesis's was done. These had also created pressure over the candidate to do the thesis as per the norms of research methodology & results used to be good, to be documented in journals of repute. During past, the reprints of research used to be presented during promotion or selection. These also required to be submitted for the selection of faculty post & even marks were also allotted for this. Therefore, a person who used to desire to enter in the academic life, often had taken enough care of their thesis for the future prospects. People during those days published good papers in the national & international journals for the documentation of research proficiency.<sup>[1]</sup>

#### Research Topics

Post graduate course in clinical science did not face much problem in selection of thesis topics because enough clinical materials are available with other supports. But research, its topic in Anatomy is still difficult because of shortage of the cadavers and prevention of the animal experiments. It is difficult to go through the ethical committee and huge expenditure is also involved in the maintainance of good scientific animal house. These days either on fetus or at places where skeletal materials are enough people do research related to the osteology. Problem of shortage of staff, Lack of sufficient research grant and other obstruction do not allow better system to run, however, people do it any how because it is must & needed to be submitted in time for the award of post graduate degree. Inter disciplinary research create problem due to lack of coordination in busy schedules of the person. It is good, but often did not come well. Clinical subject

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they do get sufficient grants in name of the hospital services so that enough research is done in the period without hampering other work.<sup>[2]</sup>

#### **Laboratory Equipment**

A good research laboratory with technical support are much required. Laboratory must be standardized for the research activity. It needs devotion, dedication and adherence. It needs adequate time so that person may involve in real sence because time is limited for the research work in view of classes which required to be taken for under graduate teaching & readings of the prescribed books. If one is totally involved in the research, he or she may not read the books for their course study as per curriculum.

It is desired that laboratory must be seen by people those who are conducting inspection of the PG course. Institutional head must pay attention to encourage research on basic sciences. Repeated counseling is needed to boost the working conditions.<sup>[2]</sup>

#### **Supervision of Thesis Work**

Adequate staff (faulty) members should be there for the coordination amongst staff member and this will enhance the research activity. Frequent discussion on the problem of research must be prevailed with active support of literature, reprints & computer are also needed. One should follow the proper direction of research methodology. Due encouragement for all must be there for cordial atmosphere. Supervisors must read the topics carefully so that candidate should be supervised properly. Cut short should be avoided. If laboratory is not standardized the results will be variable and it will create problem during statistical analysis. The common postgraduate program which includes lectures on statistic, photography, biochemical studies, animal experimentation, animal up keep, how to write thesis, use of library, & immunity & preliminary pathology should be given to the postgraduate students. Medical ethics should be also taught to avoid problems. Work must be planned properly and should be accountable for material & infrastructure. OfCourse a individual is using money of the public exchequer. One should ensure that the aim of research must be always towards the utility of the human suffering. Any how the result should be extrapolated for the knowledge of curing illness directly or indirectly. A good pathological understanding will help in histological activity and its interpretation in the animal experimentation. In my opinion some relaxation should be provided in animal experimentation. Postgraduate student must be also directed to use text books & journals besides google for updating the unknowledge with computer help.<sup>[3]</sup>

#### **Documentation of Research**

Each work needs to be documented in the journals to invite the scientific interaction & let the people

to generate their opinion on the subject. These days people write their Email & mobile which can be early used to communicate their views. Ensure that the articles must be scientific so to occupy a good place in the minds & library. These would be used by scientific world.

Economically research should be viable. It should not utilize huge. money. A good hypothesis must be there in the beginning but entire working and results may be near to the facts. Sometime deviation may be assessed and modification of research design may be needed. Always some possibilities of future probe should be open to invite innovative ideas in research activities and psychologically people remain free from obstruction and stress Credibility in research arguments the motivation. However, the failure may create depression some time. The counselling is needed by the supervisors & faculty members. Encouragement must be done to post graduate, but should be advised to present papers in conferences & publish paper, if something relevant to be documented. Financial constraints should not have become the obstacles. Residency is only for three years, there is limited time for research, therefore more stress cannot be imposed to do a great work. However, the candidate must be given opportunity to pursue the research in future, Therefore, research should be considered as a continuous mission to understand the reality of existence of scientific temper. Departmental advisory board for research is needed for frequently review the work.<sup>[3]</sup>

### **CONCLUSION**

Importance of research in postgraduate course of medical science is emphasized. Both supra and infrastructure must be smooth & congenial to make the suitable atmosphere of the research. Coordination and supervision could give a right direction and encouragement. Selection of the topic in view of the time bound activity is much required. However, human brain should be kept alert to probe further if opportunity of research is available & one who go for academic career in medical profession in future.

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