

# Anatomy Post Graduation as Career Option: A Situational Analysis

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## Research Article

**Abstract:** Medical graduates often have confusion after PG entrance while selecting Branch for Post graduation. Large numbers of medical colleges facing difficulty in getting anatomy faculty. Situational Analysis is one method to understand situation in simpler manner. **Research Question:** What is the present scope of Anatomy Post-graduation as career option? **Aims & Objectives:** 1. To carry out situational Analysis of Anatomy PG Seat in Medical colleges, 2.To Suggest suitable recommendation based on study findings. **Methodology:** Present situational analysis based on data of official web page of Medical Council of India (On March 2012) [www.mciindia.org](http://www.mciindia.org). in which we use PG college database and faculty database, All these data were entered in Microsoft excel sheet and analyzed by using statistical software SPSS version 16. **Situational Analysis:** Total number of Medical colleges in India 335(till March 2012) of which only 198(59.1%) colleges having PG seat in Anatomy Discipline. Annual Anatomy PG seat intake in all colleges was found to be 610.Total MBBS seat intake Yearly 40525, the ratio of MBBS to Anatomy PG seat is 100: 1.5. Karnataka is having highest number of anatomy PG seat annually 92(15.1%), followed by Maharashtra 91 (14.9%), Andhra Pradesh 70 (11.5%). These three state namely Maharashtra, Karnataka, A.P is contributing about 42.7% PG seat in India. In Last Five year 42.8% colleges are in process of increasing PG seat. Till now 21% college PG seat intake permitted in 10(A) section of MCI. Total numbers of Anatomy faculty in India are 3774.

## Introduction

The first Medical College in India started in 1835 at Madras(1). The Medical council of India came in existence in 1934 later amended by Indian Medical Council Act 1956. Till date 335, Medical colleges in India having 40525 MBBS seats intake capacity(3). For Post-graduation more than 30 entrance examinations conducted by various state, Universities & Autonomous institutes. As per MCI 55 MD/MS courses along with 41 diploma courses available for aspirant Medical graduates(3), which create large number of confusions. Changing Trend has been observed among the Medical graduate in selecting their career. Better prospects in pre-clinical has attracted the student toward Anatomy Post-graduation. Various management technique are used in medical science to have better understanding of problems or situations and situational analysis most commonly used(2). The current situational analysis

highlighted the status of anatomy post graduation as career option.

**Research Question:** What is the present scope of Anatomy Post-graduation as career option?

**Aims & Objectives:**

1. To carry out situational Analysis of Anatomy PG Seat in Medical colleges
2. To Suggest suitable recommendation based on study findings

## Methodology

Situational analysis is a method managers use to analyze both internal and external environment of organization in order to understand firm's own capabilities, customers and business environment. As described by the American Marketing association, a situational analysis is "the systematic collection and study of past and present data to identify trends, forces and condition with potential to analysis consist of several method(2)

Present situational analysis is based on data of official web page of Medical Council of India (On March 2012) [www.mciindia.org](http://www.mciindia.org). The information about numbers of MBBS teaching colleges with Postgraduate facility in Anatomy PG and other relevant information from MCI web pages, by using PG college database and faculty database(3). Thorough literature search were made to find out various status report published by Ministry of health and Family welfare, Government of India(5). The variable used is numbers of college with Anatomy PG facility, Annual PG seat intake, their recognition status by Medical Council of India. All these data were entered in Microsoft excel sheet and analyzed on by using statistical software SPSS version 16. The statistical method used percentage and proportion

## Situational Analysis:

In India a total of 335 medical colleges with MBBS intake of 40525 yearly was observed till March 2012, of which 198(59.11%) colleges having PG seat in Anatomy Discipline. Out of 198 colleges, 48%

colleges are owned by Government and 52% private institution ( Shown in Table No.1). Annual Anatomy PG seat intake in all colleges 610.Total MBBS seat intake Yearly 40525, the ratio of MBBS to Anatomy PG seat is 100: 1.5. Karnataka is having highest number anatomy PG seat annually

92(15.1%) followed by Maharashtra 91 (14.9%), Andhra Pradesh 70 (11.5%). These three state namely Maharashtra, Karnataka, A.P is contributing about 42.7% PG seat in India. Anatomy Total numbers of Anatomy faculty in India are 3774

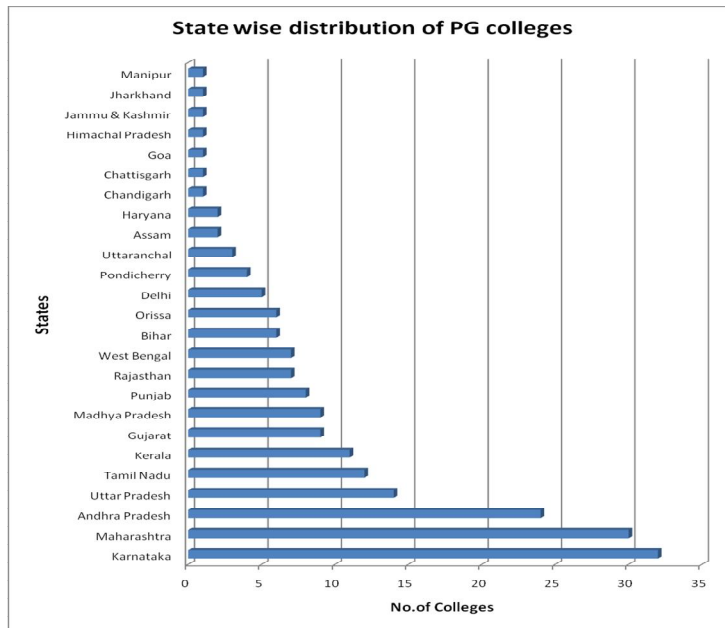


Fig 1. State wise distribution of Medical Colleges in India

(Figure No1) Karnataka state has maximum number of colleges offering PG seat in anatomy followed by Maharashtra, Andhra Pradesh, Uttar Pradesh, Tamil Nadu , constitute about 60% of total PG Medical colleges. This there is uneven distribution of Colleges across the India

Table No.1 Distribution of PG Colleges according to type of Management

Management	Frequency	Percent
Government	95	48.0
Private	103	52.0
Total	198	100.0

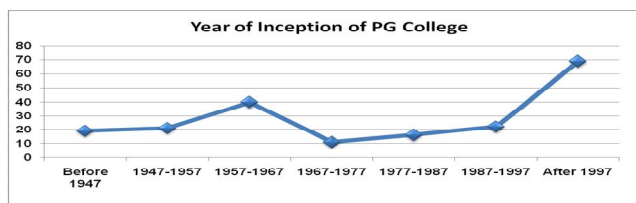


Figure No 2. Distribution colleges according to year of inception

Said figure show distribution Medical according to their years of inception. The line diagram show there is sudden increase in number of Medical colleges in last two decade.

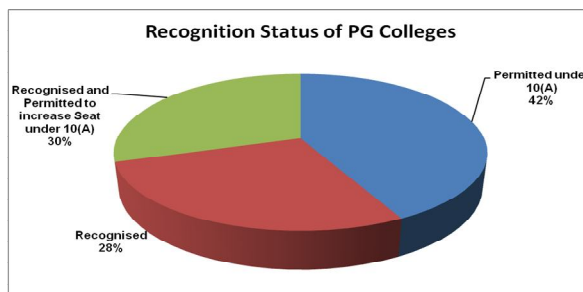


Figure No 3. Distribution of Colleges according to PG recognition status

According to recognition status of PG Colleges only 28% are recognized. While 72% colleges are already permitted to increase or start new PG seats under 10 (A) section of Medical Council of India. This pie diagram suggest there is tremendous demand for Anatomy PG seats

**Table No 2:** Distribution of Colleges according to annual PG intake and Type of management

Annual Intake of PG (Seats)	Management of College				Total PG seats
	Government		Private		
	Colleges	PG Seats	Colleges	PG Seats	
1	10	10	4	4	<b>14</b>
2	31	62	50	100	<b>162</b>
3	18	54	22	66	<b>120</b>
4	13	52	19	76	<b>128</b>
5	9	45	4	20	<b>13</b>
6	6	36	4	24	<b>60</b>
7	5	35	0	0	<b>35</b>
8	2	16	0	0	<b>16</b>
10	1	10	0	0	<b>10</b>
<b>Total</b>	<b>95</b>	<b>320</b>	<b>103</b>	<b>290</b>	<b>610</b>

(Table No 2) Among 610 Anatomy PG seats 52% from Government colleges and 48% from Private Medical Colleges. The maximum colleges having annual intake of 2-4 seats

### Discussion

The situational analysis look at both the macro-environment factors that affects many firms with in the environment and micro-environmental factor that specify affect the firm(Sources Situational Analysis). Now situational analysis is most common management technique used for assessing problem extent to summarise it planner or stake holder(2). The result shows only 59% colleges having PG facility but if we look data retrospectively initially only government colleges having PG seat. It was observed that student admission and retention was very poor. This fact contribute for large numbers faculty deficit in past(5).

The number of students enrolled in medical education has increased by around 85 per cent in the last ten years, from 1,88,187 in 1995-96 to 3,48,485 in 2005-06. However, enrolment in medicine as a proportion to total enrolment in higher education has barely increased – it has changed from 2.9 per cent in 1995-96 to 3.1 per cent in 2005-06 (4).

As last five years almost 100 new medical colleges came existence which lead to large deficit and problem faced by management of Private Medical College, simultaneously due to attractive packages from Private Medical College, there major drain of faculty from Government to private(4).

In present study show that Karnataka has highest number of anatomy PG seats followed by Maharashtra, Andhra Pradesh, Uttar Pradesh. These contribute about 60% of anatomy PG seats. This issue highlight regional equality about college, same finding observed with Colleges with Undergraduate.

Total number of anatomy faculty as per Medical Council of India figures 3774, which also include post graduate student and Tutor, Demonstrator. This show still large numbers of Human Resource will required for Meeting norm laid down by Medical Council of India(5).

As per Planning Commission and Ministry of Health and family welfare, India is still not reached to Doctor population ratio norm as lead down by World Health Organization(5). So in future there more new Medical colleges will come.

Anatomy Branch is unique in nature, it essential for Medical, Dental, Physiotherapy, Occupational Therapy, Nursing, paramedical Sciences. Available output of new Anatomy Postgraduate very less, hence there vast scope for new Medical graduate selecting anatomy as career option.

### Conclusion

Very limited numbers of Anatomy PG seats were available in last 10 years which causes major faculty deficit. Large number new Medical colleges coming now days which has demand for new anatomy faculty

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