

Evaluation of Span of House Job and Amount of Experience by Anesthesia House Officers in Lahore

Evaluation of
Span of House
Job Experience
by Anesthesia

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ABSTRACT

Objective: Our research study was conducted to evaluate span of house job and amount of experience by anesthesia house officers in Lahore.

Study Design: Cross-sectional quantitative descriptive study.

Place and Duration of Study: This study was conducted at the Teaching Hospital of Amna Inayat Medical College Lahore from May 22, 2023 to November 22, 2023.

Methods: Those house officers who had experience of one month and consented were engaged providing them a self reporting questionnaire. From 53 house officers, a total of 34 surveys were completed out of which there were 25 females (73.52%) and 9 boys (26.47 %), hence making a rate of response 64.15%. Questionnaires filled by them got collected in person.

Results: In our study 15 respondents (44.11%) agreed on the best possible time span for house job in anesthesia to be three months. Eleven officers (32.07%) agreed that anesthesia experience obtained during house job was ample. Twenty two house officers (64.70%) disagreed that anesthesia experience obtained during house job was ample; one house officer (2.94%) gave vague answer.

Conclusion: House officers in anesthesia generally agreed on three month time period of house job in specialty. However they disagreed on the amount of experience achieved.

Key Words: Span, Amount, Anesthesia, Lahore, House job, Evaluation, Experience

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INTRODUCTION

Understanding of the perceptions by house officers for different specialties could be of significance for leaders in health care system for promoting distribution of specialties in order to match increasing requirements of population. In addition institutional management required allied disciplines like anesthesiology to be involved.¹ To understand these perceptions from grass root level we started from a level of house officers. Their perceptions were required to determine that what they thought about time period of their house job whether it was sufficient or not and whether the amount of experience achieved by them was also adequate or not?

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Because at local level we did not see any survey like this and because literature review showed a deficient data in this respect; we conducted this research with the aim to evaluate span of house job and amount of experience by anesthesia house officers in Lahore. Although anesthesia and intensive care units have put a great clinical, administrative and research contribution, very little is acknowledged for practical environment of this subspecialty. There are cognitive and physical restrictions in human beings making them fallible.² Therefore current evaluation of clinical practice is mandatory to understand challenges and opportunities faced by critical anesthesia care, satisfaction, patterns of staffing optimization, assessment of sustainability and strategic planning for scope, training and future activities.³ Six career domains were pointed out to be: sense of wellness, satisfaction of career, leadership and promotion, networking, mentoring, to conceptualize and complete the projects.⁴ Increasing training span for trainees in early stage could enhance future recruitments in subspecialty.⁵ That is why we focused on time period provided to house officers in the current research that what they comment in this regard. Those policies which increase satisfaction of job should be developed by health leaders simultaneously implementing relation related work practices.⁶ To determine satisfaction about amount of experience we focused on it as commented by house officers of

anesthesia department. Anesthesia house officers and trainees are usually under command of multiple senior anesthesiologists. Thus they develop multiple educational relationships with them during their tenure of training. Scarce data is available which described maintaining and developing such kind of relationships.⁷ Our research will provide evaluation of house job by house officers themselves in anesthesia in terms of its time span and in terms of amount of experience achieved.

METHODS

Ethical approval obtained from institution to conduct this cross-sectional quantitative descriptive survey. Study was performed from May 22, 2023 to November 22, 2023 on fifty three house officers of teaching hospital of Anna Inayat Medical College Lahore. Those house officers who had experience of one month and consented were engaged providing them a self reporting questionnaire.¹ Number of months in training, age and gender were to be written. Questionnaires filled by them got collected in person. To evaluate span of house job, perceptions were sought. Participation in study was voluntarily and assurance given to keep their responses confidential while no harms and compensatory things assumed. From 53 house officers, a total of 34 surveys were completed out of which there were 25 females (73.52%) and 9 boys (26.47%), hence making a rate of response 64.15%. ANALYSIS OF DATA was performed by the use of SPSS.25. Responses frequencies derived and mentioned in graphs.

RESULTS

In our study 15 respondents (44.11%) agreed on the best possible time span for house job in anesthesia to be three months. The rest of the numbers and percentages are given in the Figure 1.

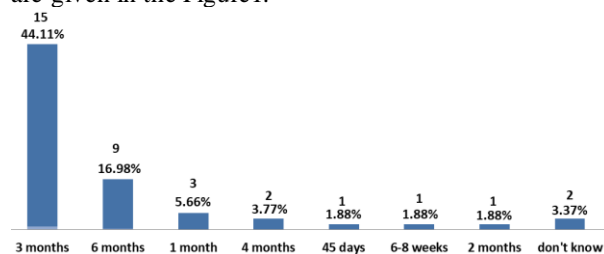


Figure No. 1: Responses of house officers in numbers and percentages about best possible time span of anesthesia house Job

Eleven officers (32.07%) agreed that anesthesia experience obtained during house job was ample. Twenty two officers (64.70%) disagreed; one officer (1%) given vague answer as mentioned in figure 2.

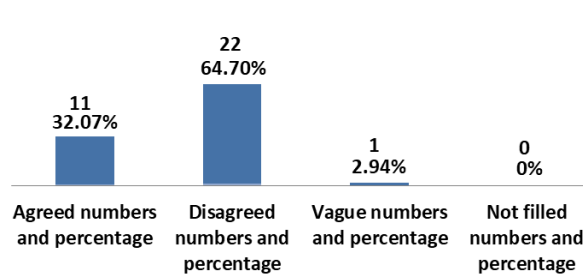


Figure No. 2: Responses of house officers in numbers and percentages about ample amount of anesthesia experience

DISCUSSION

In our study 15 respondents (44.11%) agreed on the best possible time span for house job in anesthesia to be three months. Changed from three months, a six months internship in family medicine was introduced in South Africa in 2021 in 2nd year of a two year program of internship for fresh doctors. This extended the internship platform up to primary health care and small district hospital levels where no interns were sent ever before. A study was also conducted to ascertain its effect on health facilities at district levels in the province of Western Cape. Majority of interns, directors and supervisors commented positively on this change which not only enhanced community health care quality but also likeliness to consider its career in this district.⁸ A qualitative study was also performed on nurse anesthetists to determine opinions about enhancement of their clinical reasoning and satisfaction of teaching during their training program.⁹ Reasonable efforts were put to shape up specialty through launching innovative programs to address professional difficulties in mentoring forthcoming generations.¹⁰ Skills of literature review, participation in journal club, quality enhancement, critical appraisal and presentation were named to make anesthetist a research “scholar”.¹¹ But in Pakistan, house officers are generally not engaged in these domains of knowledge. Perhaps it may be due to this reason that house officers engaged in our study did not agree on the ample amount of their experience achieved during their house job. Unsustainable behaviours should be addressed via planning and coordination of health care innovations to improve health care effectiveness, outcome and efficiency.¹² Practical scheduling problems of academic anesthesia could be addressed. That required deployment and planning of anesthetists to meet protocols of institution.¹³ Factors were also observed for female leadership in anesthesiology.¹⁴ In another study of a medical college, most of the residents wished to join anesthesia career. Interests in traditional subject fellowships were uncommon. Perceived matters were psychological dissatisfaction, changes in health system and competitiveness with none-physician- providers.¹⁵ In our current study house officers too were in

disagreement with the amount of experience they achieved. Similarly resident medical officers were also subjected to research study that explored areas of improvement in their training.¹⁶ Introduction of Entrustable professional activities (EPAs) was an innovation which optimized assessments at workplace-base but even those could not suffice challenges of getting necessary feedback. Anesthesia residents were subjected to EPAs through mobile app and their impact was determined on feedback culture.¹⁷ Common competencies like endotracheal intubation were assessed by evaluation and initial proctoring and renewal on yearly basis with the least number performances to inculcate proficiency.¹⁸ In France anesthesia residents are trained to perform their duties in operation theatres as well as in intensive care units.¹⁹ Studies were also conducted to assess initiatives which promoted diversity and inclusion in anesthesiology academics.²⁰ A particular research examined how anesthesiologists could potentiate their role in health care systems.²¹ A review summarized current use of the popular app in anesthesiology and the inherent challenges in its implementation for a modern anesthesiologist.²² In another study house officers mentioned fatigue to contribute professional errors. Anesthesia providers should be aware of it.²³ All above mentioned factors should be taken into account in this regard. Our study obtained a kind of requisite feed-back from the important most stake holders that are the house officers themselves.

STUDY LIMITATIONS: Our research was limited in the sense that sample of only one teaching hospital of the city was taken. It would have been more elaborative if sample was taken from all teaching hospitals.

CONCLUSION

House officers in anesthesia were generally agreed on three month time period of house job in specialty. However they disagreed on the amount of experience achieved.

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Conflict of Interest: None to declare

Author's Contribution:

Concept & Design of Study: Ghulam Murtaza Hiraj
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 Revisiting Critically: Ghulam Murtaza Hiraj,
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 Final Approval of version: By all above authors

Conflict of Interest: The study has no conflict of interest to declare by any author.

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