

## EDITORIAL

# SIGNIFICANCE OF THE SUPER-SPECIALITIES IN DIFFERENT BRANCHES OF MEDICAL FIELD

Muhammad Shafiq Khan & Muhammad Ali Shah

Department of Orthopedics, Gomal Medical College, D.I.Khan

Medical field is among one of the most respectable careers since long and its importance and demand will never decrease till the end of humanity. All this is due to changing life styles of people and an increase in the global population. For that reason advancements and up gradations in medical field occurs with the passage of time. Therefore after completing graduation and residency programs, this is the need of the day, to have super-specialists to cope with each and every targets/challenges in an expert manner. In each field of medicine, a large number of super-specialties are getting introduced from time to time and the aim is to provide a more précised and better health service to the community. Advanced systematic and integrated learning leads to better trained doctors.<sup>1,2</sup>

In the last two decades the medical education and hospital environment has experienced a lot of major changes. Better results have evolved in management of patients in various units, and even survival from fatal diseases has been observed in greater numbers.<sup>3</sup> All these changes are due to methodical and optimized

learning in specific and super-specialized manner of different medical fields. Super specialty departments and clinics provide specific and holistic treatments for both hospitalized and emergency patients and this leads to better results.<sup>4</sup>

Superspecialities have equal significances in all branches of medical field, but in surgery an increased and advanced surgical techniques leave a desire for focused training programs. The young surgeons always feel to thrive and wish to achieve separate and updated skills for every issue. In USA 90% of orthopaedic residents opt superspecialities.<sup>5,6</sup> After pursuing residency programme majority of orthopaedic postgraduates prefer to join one of the superspecialities and the trend of general orthopedics practice is declining with time. There are so many reasons for that like, desire to gain more confidence, and to get more job opportunities and so on. In Canada over the last two decades, 325% increase in employment has been observed for superspeciality trained orthopaedicians.<sup>7-10</sup>

---

**Cite as:** Khan MS, Shah MA. Significance of the super-specialities in different branches of medical field. Gomal J Med Sci 2023 Jul-Sep;21(3):123-4. <https://doi.org/10.46903/gjms/21.03.1463>

---

## REFERENCES

1. Medvarsity. Medical fellowship, an overview of its importance and benefits in medical fields. 2022. <https://www.medvarsity.com>
2. Sunil J and Rebecca SD. The role of super clinics in imparting clinical skills: Medical education for competence and sophistication. *Adv Med Educ Pract* 2021; 12: 513-518. <https://doi.org/10.2147/AMEPS306214>
3. Jameson JL, Fauci AS, Kasper DL, Hauser SL, Longo D, Loscalzo J. The practice of medicine. *Harrison's principles of internal medicine*, 20th ed. McGraw Hill; 2018;1-8. [ Google Scholar]
4. Jain S, Thapar RK, Mallick A, Tiwari S, Yokesh D, Abhijit YV et al. evidence based focused for fulfillment of aims. *Indian J child Health*. 2017; 4(2): 170-175. <https://doi.org/10.32677/IJCH.2017.v04.i02.014>
5. Pankaj K, Sitanshu B, Lalit M. Dawn of super-speciality in orthopaedics: Time to embrace the change. *Ind Journ of Orthop*. 2023;57:620-623. <https://doi.org/10.1007/s43465-023-00858-x>
6. Salsberg ES, Grover A, Simon MA, Frick SL, Kuremsky MA, Goodman DC. Future physians workforce requirements: Implications for orthopaedics education. *JBJS Am*. 2008;90(5):1143-1159. <https://doi.org/10.2106/JBJS.G.01305>

---

## Corresponding Author:

Dr. Muhammad Shafiq Khan  
Associate Professor, Department of Orthopedics,  
Gomal Medical College, D.I.Khan, Pakistan  
E-mail: [drshafiqorthosurg@gmail.com](mailto:drshafiqorthosurg@gmail.com)

**Date Submitted:** 09-05-2023  
**Date Revised:** 08-08-2023  
**Date Accepted:** 14-09-2023

7. Gaskil T, Cook C, Nunley J, Mather RC. The financial impact of orthopaedic fellowship training. *JBJS Am* 2009; 91(7):1814-1821. <https://doi.org/10.2106/JBJS.H.01139>
8. Morrell NT, Mercer DM, Moniem MS. Trends in the orthopedic job market and importance of fellowship subspecialty training. *Orthopedic*. 2012;35(4). <https://doi.org/10.3928/01477447-20120327-13>
9. Daniels AH, Digiovanni CW. Is subspecialty training emerging as a necessary component of contemporary surgery education? *Journ of Gradu Med Edu*. 2014;6(2):218-221. <https://doi.org/10.4300/JGME-D-14-00120.1>
10. Almansoori KA, Clark M. increasing trends in orthopedic fellowships are not due to inadequate residency training. *Educ Research int*; 2015: 20, e191470. <https://doi.org/10.1155/2015/191470>

**CONFLICT OF INTEREST**  
Authors declare no conflict of interest.  
**GRANT SUPPORT AND FINANCIAL DISCLOSURE**  
None declared.

#### AUTHORS' CONTRIBUTION

The following authors have made substantial contributions to the manuscript as under:

Conception or Design: MSK, MAS

Acquisition, Analysis or Interpretation of Data: MSK, MAS

Manuscript Writing & Approval: MSK, MAS

All the authors agree to be accountable for all aspects of the work in ensuring that questions related to the accuracy or integrity of any part of the work are appropriately investigated and resolved.



Copyright © 2023. Muhammad Shafiq Khan, et al. This is an Open Access article distributed under the terms of the Creative Commons Attribution-NonCommercial 4.0 International License, which permits unrestricted use, distribution & reproduction in any medium provided that original work is cited properly.