The Interventional Radiology Residency: Is It Time Saudi Radiology Residency Programs Contemplate the Idea?

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Abdullah Abohimed, MBBS, after the DR residency. The independent pathway also has its residency is a 2-year residency that is independent and taken years of DR followed by 2 years of IR. The independent pathway also has its residency is a 2-year residency that is independent and taken after the previous 3 years of study. The ESIR resident must complete 500 procedures and maintain a minimum of 500 procedures and is required to maintain a logbook of such cases. ESIR residents are then eligible to match for the second year of the independent residency, lowering the number of years in training to 6.

An extraordinary amount of effort was put in place when considering this drastic shift in training. Ultimately, the rationale behind it stems from a few important factors: First, although DR and IR share similar competencies in imaging and procedures, postprocedural patient care is a unique competency to IR. Second, the complexity of procedures offered by IR is increasing, necessitating more years of training. And third, more focused training in IR will prove beneficial to patients and patient care in the long run.

Current DR residency structure in Saudi Arabia permits a minimum of three and a maximum of six IR rotations during PGY-2–5. This consists of three mandatory “core” IR rotations taken during clinical years, and three nonmandatory “elective” rotations, from which a resident can choose IR. Some DR residencies in Saudi Arabia reserve one elective rotation for the American Institute for Radiologic Pathology course. This is in stark contrast to the United States, where the pivotal PGY-5 year is, on average, composed of nine elective rotations alone.

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This means that the DR resident hoping to pursue the independent pathway would have received ample exposure and training in IR. However, the Saudi DR resident hoping to pursue an IR fellowship must rely on three core rotations and possibly a few more for electives.

There are a few inherent problems to the current Saudi DR structure: The IR fellow is expected to begin performing minor procedures and closely aid major procedures within the first few days of fellowship; this would require a more robust exposure during residency. Also, not all residents with an interest for IR eventually end up pursuing IR. Therefore, three core rotations may not be enough to tip the scale for the undecided resident.

IR fellowship and DR residency program directors, key stakeholders, and administrative officials must engage in serious dialogue about the current DR residency and IR fellowship structures. The importance of implementing an IR residency, or a similar program to that of ESIR, cannot be overstated. Advantages to a shift in training are many: Not only will you potentially produce more competently trained IRs, the IR or ESIR resident can contribute to IR calls, clinic duties, IR consults, and the imaging workflow.

We ran a pilot cross-sectional, survey-based study involving 25 current Saudi IR fellows and IRs who have completed their fellowship training within 3 to 12 months (Fig. 1) across the Riyadh, Jeddah, Makkah, and Dammam regions (see Appendix). Almost all respondents (92%) agree with implementing a different training pathway for IR similar to that of ESIR or the integrated pathway (Fig. 2). Sixty percent believe three core IR rotations during DR residency are not enough to supplement the trainee with the needed foundation to function well during the first few months of fellowship (Fig. 3). Similarly, the majority had found the first few months of fellowship to be extremely difficult (Fig. 4) Some of the reasons included were: “I knew very little about the equipment used in IR” (62.5%); “I was not aware of the pre-procedural side of IR” (41.5%); “I was not aware of the indications and contraindications to many IR procedures” (37.5%); and “I needed time to adjust at my new training center” (20.83%).

IR has always been at the forefront of procedural innovation, and to ensure a constant stream of passionate and enthusiastic medical trainees pursuing careers in IR, it is imperative that this subject is discussed thoroughly during the next annual Saudi Interventional Radiology Society (SIRS) and Pan Arab Interventional Radiology Society (PAIRS) conferences. Furthermore, dedicated
medical student IR conferences sponsored by the SIRS with an emphasis on spreading awareness of IR should become a priority. The PAIRS has made inroads in this department with the success of its IR awareness campaign titled #I_AM_PAIRS, and the formation of a resident, student, and fellow committee.

Conflict of Interest
None.

Acknowledgment
None.

References

Fig. 4 Have the first few months of interventional radiology (IR) fellowship training been difficult for you?