

Note: This is Online Appendix 1 of Idrees S, Christofides N, Moodley H. An analysis of interventional radiology training needs of radiology registrars in South Africa. S Afr J Rad. 2025;29(1), a3192. <https://doi.org/10.4102/sajr.v29i1.3192>

Online Appendix 1:

TABLE 1-OA1: Survey

| | | | | | | |
|----|---|---|-----|-----|---------|-----|
| 1 | Name of your University: | Survey Monkey 9 drop down options for 9 the universities | | | | |
| 2 | What is your gender? | Male | | | Female | |
| 3 | Age | Survey Monkey textbox | | | | |
| 4 | What is the duration of your registrar programme? | 4 Years | | | 5 Years | |
| 5 | What is your year of study? | 1st | 2nd | 3rd | 4th | 5th |
| 6 | Are you a supernumerary registrar? | Yes | | | No | |
| 7 | If, Yes, what is your country of origin? | Survey Monkey textbox | | | | |
| 8 | How likely are you to consider interventional radiology (IR) as a future sub-specialty? | Highly likely | | | | |
| | | Likely | | | | |
| | | Not sure | | | | |
| | | Unlikely | | | | |
| | | Highly unlikely | | | | |
| 9 | If you are <u>not</u> considering a career in IR, Which of the following skills would you still like to learn during your diagnostic radiology training | Ultrasound guided biopsy | | | | |
| | | Lung nodule biopsy | | | | |
| | | Abscess drainage | | | | |
| | | Percutaneous nephrostomy insertion | | | | |
| | | Diagnostic angiogram | | | | |
| | | 10 Other: (Specify) | | | | |
| 11 | Which of the following factors would affect your decision to consider interventional radiology? (Multiple answers possible) | Hours of work; Procedural based work; Level of stress; Other radiology sub-specialty interest; Patient interaction; Financial factors; Radiation exposure; Level of exposure to IR during registrar training; 12 Other (Please specify) | | | | |
| 13 | How much IR exposure have you had during your training so far? | No exposure; Too little exposure; Appropriate amount; Too much exposure | | | | |
| 14 | In what year did you get your first “hands on” exposure to IR (e.g. Percutaneous pigtail drain insertion, percutaneous nephrostomy or equivalent?) | 1 st | | | | |
| | | 2 nd | | | | |
| | | 3 rd | | | | |
| | | 4 th | | | | |
| | | 5 th | | | | |
| | | Not yet | | | | |
| 15 | How many weeks do you spend in a formal IR rotation during registrar time? | SurveyMonkey textbox | | | | |

| | | | |
|----|---|--|----|
| 16 | Do your on call duties include IR? | Yes | No |
| 17 | If yes, which of these does it involve? (Multiple answers possible) | Abscess drainage; Nephrostomy; Cerebral angiograms; Peripheral angiograms or other angiograms; 18 Other: (Specify) | |
| 19 | How many of the following procedures have you completed <u>supervised</u> ? (Numerical answers only) | Interventional angiographic procedures; Venograms – SVC/IVC/Portal/organ; Selective organ/subregional angiograms; Percutaneous drainage procedures; Percutaneous nephrostomy; Percutaneous transhepatic biliary drainage; Ultrasound guided FNA; Ultrasound guided core biopsy | |
| 20 | How many of the following procedures have you completed <u>unsupervised</u> ? (Numerical answers only) | Interventional angiographic procedures; Venograms – SVC/IVC/Portal/organ; Selective organ/subregional angiograms; Percutaneous drainage procedures; Percutaneous nephrostomy; Percutaneous transhepatic biliary drainage; Ultrasound guided FNA; Ultrasound guided core biopsy | |
| 21 | During your IR rotation, which of the following of the facilities or equipment are used to improve your competence? (Multiple answers possible) | Skills lab; On site workshop with practice sessions; Structured training curriculum; Virtual reality training; Lectures; case library; Reporting templates; Mentorship; Attending conferences; No IR rotation; 22 Other (Specify) | |
| 23 | There is a shortage/lack of equipment in your IR department which regularly affects service delivery and training. | Strongly agree | |
| | | Agree | |
| | | Neither agree nor disagree | |
| | | Disagree | |
| | | Strongly disagree | |
| 24 | There is a shortage/lack of training personnel (e.g. consultants and nurses) in your IR department which regularly affects service delivery and training. | Strongly agree | |
| | | Agree | |
| | | Neither agree nor disagree | |
| | | Disagree | |
| | | Strongly disagree | |
| 25 | How satisfied are you with your IR training to date? | Highly dissatisfied | |
| | | Dissatisfied | |
| | | Neither satisfied or dissatisfied | |
| | | Satisfied | |
| | | Highly satisfied | |
| 26 | Should there be a separate registrar IR training stream apart from diagnostic radiology? | Yes | No |
| 27 | What areas have potential for improvement in your IR training? | Survey Monkey textbox | |
| 28 | What challenges do you face in your IR training? | Survey Monkey textbox | |