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ISM I

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The Wide Range of Fields Within Interventional Radiology

Assessment 3 - Research

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Subject: Interventional Radiology

MLA 8 Citations:

Arnold, Michael J., et al. "Interventional Radiology: Indications and Best Practices." American Family Physician, 1 May 2019, www.aafp.org/afp/2019/0501/p547.html.

Assessment:

For this assessment, the main goal was to accrue knowledge about the general tasks that interventional radiologists (I.R.) perform regularly and the specific fields that it covers.

Additionally, knowledge needed to be acquired about what specific fields of interventional radiology needs to be studied to be able to accomplish certain tasks that I.R.'s perform. This article was chosen for that purpose because it was a general overview of interventional radiology and everything that it encompasses.

The primary goal for this research assessment was to learn how wide the scope of tasks for interventional radiology really is. This goal was certainly achieved, as this article provided lots of information about the tasks of interventional radiology, including the placement of catheters, arterial interventions, venous interventions, treatments for hemorrhages, reproductive

interventions, treatments for venous thromboembolism, drainage and biopsy, interventional oncology, and liver directed therapies. Additionally, the article provided detailed description for each procedure listed, which provided lots of good information and added to the bank of terminology which is being expanded with each bit of research done. Furthermore, the article provided diagrams, tables, and pictures of each procedure to give a visualization of what the radiologist sees when they perform the treatments, which added to the less-filled knowledge field of the daily activities of an interventional radiologist. Clearly, the field of interventional radiology encompasses a wide variety of tasks and procedures, including ones from other medical fields. Knowing all of this information about the different tasks and procedures of interventional radiology provides a great background knowledge base for understanding new pieces of information as well as for being able to ask detailed questions to professionals about the interventional radiology field and being able to receive and understand detailed information to further the knowledge in this field. This article provided a real in-depth look into the interventional radiology profession and analyzing this article was crucial for adding to the background knowledge in the I.R. field due to how much information it provided.

Another goal for this assessment was to gain some potential topics of discussion and to develop some questions to ask professionals. This goal was also completed, as many questions arose from reading this article, as well as topics of discussion. For example, the question of ‘what is the difference between vascular and interventional radiology?’ arose due to its frequent mention of vascular radiology. Additionally, the question of ‘how much interventional oncology is typically done in interventional radiology?’ also developed, due to my high level of interest in oncology and the large amount of oncology procedures mentioned in this article. Furthermore, by learning all of these procedures and topics that I.R. includes, many questions can be asked

about specific procedures and the range of difficulty of procedures depending on the topic and the patient to potential mentors and other professionals. Also, all of these procedures can be topics of discussion when speaking to professionals. For example, a professional can discuss their personal experience with aortic aneurysm repairs and that conversation can expand my knowledge in that field, and my understanding of that discussion will be very high due to the large amount of information on that topic already provided by the article. Thus, all of this background knowledge will improve the efficiency and effectiveness of conversations, and it will also raise the quality of the conversations, from surface-level explanations to deeper, more detailed conversations about the real experience of dealing with those topics. Lastly, the vast amount of terminology gained from this article alone added a considerable amount to my current vocabulary, which will also elevate conversations with professionals to minimize questions for definitions and other things of that sort.

The last goal for this assessment was to, once again, check my interest in this topic and to compare and contrast the new knowledge accrued with previous knowledge. Some of the information in this article was similar to knowledge acquired in previous articles, including the description of some of the interventional oncology procedures as well as the description of biopsies. This information confirmed the quality of the previous knowledge gained and strengthened that area of knowledge. Additionally, some of the information used when describing the procedures sounded familiar to some of the previous Khan Academy research done in the past, which included research about different medical diseases including heart conditions. Furthermore, the interest in this topic continued to increase as this article was being analyzed due to the wide variety of diseases and their treatments. Again, the more fields of medicine encompassed, the more my interest rises. This field appears to be perfect for my skill

set and personality and excitement to take on the challenge of becoming a physician in the future years is increasing rapidly.

In conclusion, all three goals, which were to learn about all of the tasks that I.R's do, to gain topics of discussion and questions to raise in conversations with professionals, and to compare and contrast with previous knowledge and to check interest in the field, were all accomplished. Future research will be focused on the specific field of interventional oncology due to high curiosity and interest in that topic.

Notes:

[Interventional Radiology: Indications and Best Practices](#)