

WORLD CONGRESS ON CARDIAC NURSING AND CARDIOLOGY
&
6th INTERNATIONAL CONFERENCE ON GLOBAL HEALTHCARE
November 04-05, 2019 | Tokyo, Japan

Management system for accreditation of radiology departments in healthcare organizations

Neven Saleh

Higher Institute of Engineering, Egypt

Statement of the Problem: Hospital accreditation becomes a trend to be trustable for healthcare providing. In particular, laboratories/radiology departments should be in concern because they are the base line of diseases diagnosis. However, accreditation of such departments is rarely considered in the literature. This study was conducted to regard radiology departments. The aim is to develop a self assessment tool that guides radiology departments in hospitals seeking for accreditation.

Methodology: A management system was designed to identify systematic differences in medical planning and clinical solutions between accredited departments and non accredited ones. The Joint Commission International (JCI) has been adopted as a benchmark standards. In implementation, an evaluation matrix has been established using the main processes of radiology departments versus a set of JCI standards. In addition, a questionnaire comprised of 86 questions has been developed to measure these standards. Further, by using a Likert scale to answer the questions, a score index was generated for each process individually as well as for the overall performance. Based on the calculated scores, the department is classified into one of four groups.

Results: The system has proved its consistency, correctly separated JCI- accredited departments from non-accredited departments. Furthermore, a minimum level of JCI accreditation has been assigned.

Conclusion: The system highlights the points of strength and the points of weakness that sustain accreditation. Also, it is a self-guide tool that can eliminate the need of external consultant. Moreover, other departments within hospitals can take the same approach towards accreditation fulfillment.

Biography

Neven Saleh is an assistant professor at systems and biomedical engineering department in Higher Institute of Engineering, El-shorouk Academy, Egypt. She received the B.Sc. degree in Electronics and Electrical Communication in 1999 from Mansoura University, Egypt. She received the M.Sc. degree in Systems and Biomedical Engineering in 2011 from Cairo University. In addition, the PH.D. degree in biomedical engineering from Politecnico di Torino, Turin, Italy in 2014. She comes with over eighteen years of experience in healthcare technology management. Also, she participated in medical equipment management programs in Italian and Turkish hospitals as well as international events and conferences. The main research interest is clinical engineering and medical equipment.

e: nevensaleh76@gmail.com