

Review of Cybersecurity in the Radiology Department

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Abstract—This paper will review the cyber threat of modern medical device within the radiology department.

Index Terms—Cybersecurity, Security, Risk, Safety, Wireless, Medical devices.

I. INTRODUCTION

THE medical industry has change ever since the first computer were introduced. The healthcare technologies have the potential to extend, save and enhance the live of patients [1]. Furthermore, hospitals have witnessed a proliferation of networked medical equipment in the past decade. There is an emergent trend of connection medical equipment to the hospital network for easy accessibility and manageability. Recently, securing medical devices against cyberattacks or malware outbreaks and safeguarding protected health information (PHI) stored on devices or exchanged between a device and the provider's network is a growing challenge for clinical engineers and hospital information technology (IT) professional [2]. The number of high-profile public demonstrations of successful attacks on devices and medical networks have increased.

Over the past few years

II. BACKGROUND

A. History Of Medical Devices

Subsection text here.

B. Implantable Medical Devices

C. Electronic Health Records

III. CYBERSECURITY IN HEALTHCARE

IV. TYPES OF CYBER THREATS

V. FUTURE SECURITY CHALLENGES

The medical industry face many challenges [3]. [4]. [5]. [6]. [7]. [8]. [9]. [10]. [11]. [12]. [13]. [14]. [15]. [16]. [17]. [18]. [19]. [20]. [21]. [22]. [21]. [23].

VI. CONCLUSION

The conclusion goes here.

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