Over the past three weeks a lot of discussions on the paper “Compromising a Medical Mannequin” was generated on how best to protect medical devices from a similar fate.

My own thoughts on this subject are what follows:

 There are millions of medical devices that help keep people healthy and alive these days.

A great many of them are Networked medical devices, much like the mannequin in the fore mentioned

article. All these devices have the potential to play a transformational role in health care but also may be

a vehicle that exposes patients and health care providers to safety and cybersecurity risks.

The mannequin in the article had a variety of issues that were explored. The manufacture did not follow

well-established security practices. The manufacture should have used an application threat modeling procedure.

Performing threat modeling at the beginning of the security assessment process, when the application is

being built, helps development teams identify attack surfaces and entry points which an attacker could use

to breach the security of the application. A threat modeling mythology like STRIDE. STRIDE is a

model of threats implemented to help consider and identify potential threats to a system. The

STRIDE methodology aims to ensure that an application meets the security directives of the triad

(Confidentiality, Integrity and Availability), alongside Authentication, Authorization. Standards

were also not followed in the development of the mannequin. Once the hacks gain access to the

WIFI thru a well-known variability they had the keys to the kingdom.

EC-Council (2020-10-04 2020) 'What is STRIDE methodology in Threat Modeling?'. Available at: [**https://blog.eccouncil.org/what-is-stride-methodology-in-threat-modeling/**](https://blog.eccouncil.org/what-is-stride-methodology-in-threat-modeling/) [Access 24 May 2021]

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