Patient information and the risks posed by IoMT

"By 2020, more than 25 per cent of identified attacks in healthcare delivery organisations will involve the IoT" ¹- Gartner Inc

In the world of data management, the security of patient information is one of the most important security concerns of healthcare CIO’s. As the technology landscape evolves so do the range and ferocity of potential threats to healthcare organisations. With the rapid growth of the Internet of Medical Things (IoMT) driving the transformation of healthcare, the challenge is becoming even more complex. The regulatory landscape is changing dramatically too with the arrival of GDPR and changes to HIPAA compliance.

The problem is that as more devices such as Infusion Pumps, Smart Beds, Cardiac Monitors, Blood Pressure Monitors, MRI Scanners, Blood Analysers connect to healthcare networks the risk to the organisation grows significantly. Light weight in nature, these devices were built without protection in mind and cannot retrospectively support a security agent. Therefore, they cannot be directly monitored or controlled by conventional security solutions or processes. This poses a significant risk to patient data with obvious consequences to any potential breach.

The questions for CIO’s is, if the device functionality is worth the risk, then how can it be cost effectively secured. A compromised device might lead to the back-end system being breached. The WannaCry attacks in 2017 targeted CT and MRI scanners that still ran Windows XP OS.

Understanding the behaviour of these devices is key to protecting the integrity of the organisation and patient data. Elements such as micro segmentation of your network infrastructure and the monitoring of the behaviour of the end devices are critical to the integrity of your infrastructure and ultimately your organisation.

anuview’s agentless approach allows you to:

- Discover every connected device
- Understand their Behaviour
- Alert and mitigate potential risks and threats

With out of the box threat detection, anuview gives you instant peace of mind that you are protected.

IoMT – Healthcare Solutions
Sources:
¹ Healthcare CIOs should ‘take action now’ against IoT security risks: Gartner Inc., CIO.com, February 2017