Hi Zihaad,

You have provided a good selection of mitigations.

Gollakota et al. (2011) recommend a further technical solution in a separate physical device used to prevent any direct access to the medical device thus reducing the risk of certain attacks, including certain denial of service attacks. To further the holistic approach, establishing security regulations for the medical device manufacturing industry would increase understanding of the associated threats and vulnerabilities whilst driving better security practices (Martinez, 2018).

Regards, Beran

References

Gollakota, S., Hassanieh, H., Ransford, B., Katabi, D., & Fu, K. (2011) ‘They Can Hear Your Heartbeats: Non Invasive Security for Implantable Medical Devices’, ACM SIGCOMM 2011 Conference on Applications, Technologies, Architectures, and Protocols for Computer Communications. Toronto, Canada, 15-19 August.

Martinez, J. (2018) ‘Medical Device Security in the IoT Age’, 9th IEEE Annual Ubiquitous Computing, Electronics & Mobile Communication Conference (UEMCON). New York, USA, 8-10 November. IEEE.