Special Issue

Regulatory Data Science for Medical Devices

Message from the Guest Editor

This Special Issue covers works that will be presented during the Oxford Regulatory Science Conference 2021 (ORSC21). Please visit www.in-li.org for more information on the conference. Quantitative science for medical device regulations is an emerging field. The research focuses on applying quantitative methods to create new evidence, tools, methods/algorithms, guidance, quality management, and standards, with the purpose to progress the evaluation of medical technologies. The aim is to improve the safety, quality, efficacy, and performance of medical devices by providing cutting-edge quantitative science that can inform policies and processes. The impact of regulatory science is shown in the critical function that regulations play in bringing new technologies to market. Keywords

- medical device regulation
- medical technology
- data science
- patient safety
- medical software

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