

Regulatory Insights



About me



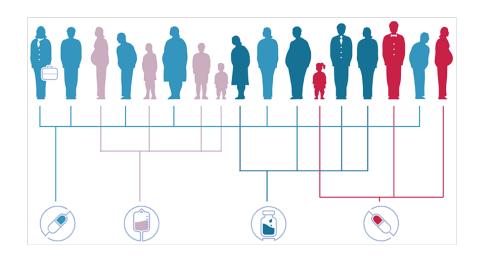


Data Scientist

Roche AG













Medical Device Types

From an European Regulatory perspective













Class III

Class IIb

Class IIa

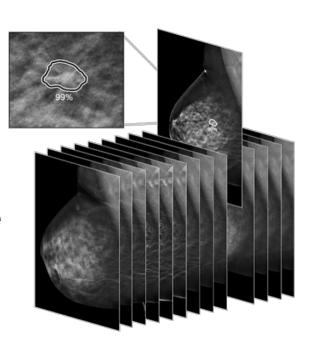
Class I

^{*} Disclaimer: the European regulatory framework has been recently modified. Strictly speaking, there are still 3 types of medical technologies: in vitro diagnostic medical devices, medical devices and active implantable medical devices. The last 2 types, however, are merged into one single category under the Medical Device Regulation (MDR).



Breast Cancer Detection Algorithm

Deep Learning as a Medical Device





Regulatory Authorities





European Medical Device Market

Regulations (EU) 2017/745&746



Official Journal of the European Union (Legislative acts) REGULATIONS REGULATION (EU) 2017/745 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 5 April 2017 on medical devices, amending Directive 2001/83/EC, Regulation (EC) No 178/2002 and Regulation (EC) No 1223/2009 and repealing Council Directives 90/385/EEC and 93/42/EEC THE EUROPEAN PARLIAMENT AND THE COUNCIL OF THE EUROPEAN UNION. Having regard to the Treaty on the Functioning of the European Union, and in particular Article 114 and Article 168(4)(c) thereof Having regard to the proposal from the European Commission, After transmission of the draft legislative act to the national parliaments, Having regard to the opinion of the European Economic and Social Committee (5. After consulting the Committee of the Regions, Acting in accordance with the ordinary legislative procedure (9, Council Directive 90/385/EEC (*) and Council Directive 93/42/EEC (*) constitute the Union regulatory framework for medical devices, other than in vitro diagnostic medical devices. However, a fundamental revision of those Directives is needed to establish a robust, transparent, predictable and sustainable regulatory framework for medical devices which ensures a high level of safety and health whilst supporting innovation. (2) This Regulation aims to ensure the smooth functioning of the internal market as regards medical devices, taking as a base a high level of protection of health for patients and users, and taking into account the small- and medium-sized enterprises that are active in this sector. At the same time, this Regulation sets high standards of quality and safety for medical devices in order to meet common safety concerns as regards such products. Both objectives are being pursued simultaneously and are inseparably linked whilst one not being secondary to the other. As regards Article 114 of the Piezery on the Functioning of the European Union (FFEL), this Regulation harmonies the rules for the placing on the market and parting into service of medical devices and there. accessories on the Union market thus allowing them to benefit from the principle of free movement of goods

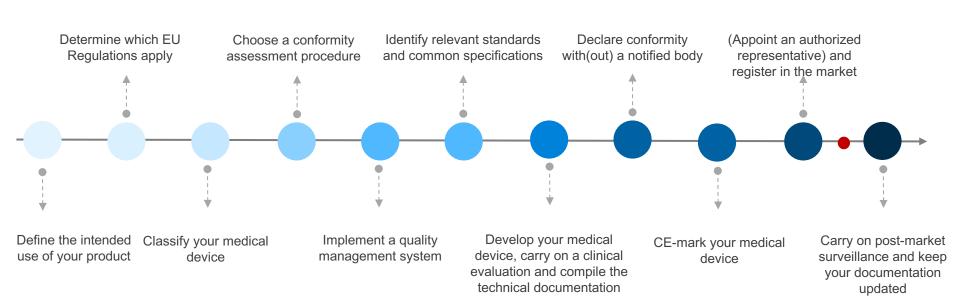
(7) Position of the European Parlament of 2 April 2014 past yet published in the Official Journal) and position of the Council at first reading of 7 Much. 2017 just up published in the Official Journal).
(7) Council Diversity (9)(18)/EEE C 20 June 1990 on the approximation of the laws of the Member States relating to active implantable.

medical devices (OIL 189, 20.7.1990, p. 17). (5) Grunol Directive 93) 42/EEC of 14 June 1993 concerning medical devices (OJ L 169, 12.7.1993, p. 1).



In a nutshell

Steps to bring a medical device to the market



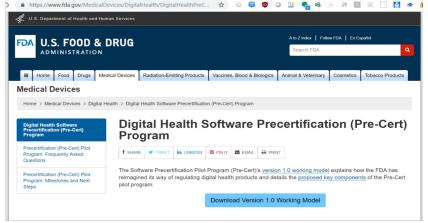


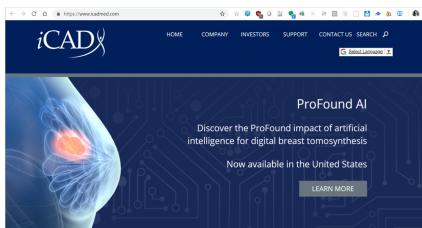
Regulating Al

"AI holds enormous promise for the future of medicine. We're actively developing a new regulatory framework to promote innovation in this space and support the use of AI-based technologies"



FDA Commissioner Scott Gottlieb, MD





Doing now what patients need next