

AI Medical Device Software & EU Medical Device Regulation

BigMed Conference

Frédéric Courivaud, Dr.Scient., MHA 19 October 2020

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The New York Eimes

Artificial Intelligence Hits the Barrier of Meaning

Machine learning algorithms don't yet understand things the way humans do — with sometimes disastrous consequences.

The Boston Globe

Documents raise alarm over Watson's diagnostic flaws

By Casey Ross and Ike Swetlitz STAT, July 30, 2018, 12:44 a.m.

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* Bigmed report: Regulation of Clinical Decision Support Software

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IVDR

Changing regulatory landscape

MDD

MDR

Medical device definition - article 2(1) MDR

'medical device' means any instrument, apparatus, appliance, <mark>software</mark>, implant, reagent, material or other article intended by the manufacturer to be <mark>used, alone or in combination, for</mark>

human beings for one or more of the following specific medical purposes:

diagnosis, prevention, monitoring, prediction, prognosis, treatment or alleviation of disease,

diagnosis, monitoring, treatment, alleviation of, or compensation for, an injury or disability, investigation, replacement or modification of the anatomy or of a physiological or pathological process or state,

providing information by means of in vitro examination of specimens derived from the human body, including organ, blood and tissue donations,

And which does not achieve its principal intended action by pharmacological, immunological or metabolic means, in or on the human body, but which may be assisted in its function by such means. [...];

 \ast Bigmed report: Regulation of Clinical Decision Support Software

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AI-Medical device software

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