





How to deal with the MDR as a transcatheter interventionalist?



P. Ewert Deutsches Herzzentrum München

New Devices:

Balloons Stents Occluders Valves



Title

Regulation (EU) 2017/745

From Wikipedia, the free encyclopedia

Regulation (EU) 2017/745 is a regulation of the European Union on the clinical investigation and sale of medical devices for human use. It repeals Directive 93/42/EEC (MDD), which concerns medical devices, and Directive 90/385/EEC, which concerns active implantable medical devices, on 26 May 2021.

The regulation was published on 5 April 2017 and came into force on 25 May 2017.^{[1][2][3]} Originally approved medical devices will have a transition time of three years^{[4][5]} (until 26 May 2021) to meet new requirements.

Contents [hide]

- 1 Changes
- 2 Scope and classification
- 3 Economic operator roles
- 4 Person responsible for regulatory compliance
- 5 General safety and performance requirements
- 6 European database on medical devices
- 7 Medical Device Coordination Group
- 8 Implementation date
- 9 See also
- 10 Defense

Regulation

European Union regulation



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 (Text with EEA relevance.) Made by Council Made under TFEU/art 294 par 6

European Medicines Agency





















Preterm infant 715g BW



Preterm infant 715g BW



Preterm infant 3 months later







Preterm infant 15 months later 7.7kg BW



Preterm infant 15 months later 7.7kg BW



Valeo Stent in Palmaz Blue covered CP-Stent



CT Scan



Development of the Transcatheter Strategy

Transcatheter Procedure









king











RAO 60° CAUD 20° LAO 30° CAUD 30°

[12] Distance Line Vasc [1144]































ТΠ





































Extravascular Implantation of Covered Stents

CT Scan



3D Dataset



Development of the Transcatheter Strategy

Processing & Analysis



3D Topography Extravascular Anatomy Landmarks Angulations Equipment & Materials



Fluoroscopic Views Needle Punctures Materials Procedural Steps

Transcatheter Procedure



Extravascular Catheterization





How to deal with the MDR as a transcatheter intervention

"...The initial response to this report varied between admiration and horror..."

(Charles E. Mullins, 1998)

Make Lemonade!









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