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The conceptual model of a web portal to unite national registries of implantable medical devices at the platform of the Italian Ministry of Health

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Introduction

To date, the official information on Implantable Medical Devices (IMD) in Italy is scattered. Two most complete registries - that of arthroplasty (Italian Arthroplasty Registry, RIAP) and that of breast implants (RNPM) - are currently hosted on different platforms. The concept of a comprehensive institutional web portal of IMD is presented.

Materials and Methods

The architecture and content structure of the portal is developed by a multidisciplinary team within the framework of a collaboration between national and regional public health authorities. The audiences and key communication functions of the portal are defined following the models of institutional communication and health communication. The module-based architecture of the web portal follows the logic of progressive growth, as new modules can be added using the same pattern.

The RIAP website serves as a basic pattern for the web portal sections dedicated to other IMD (spinal, cardiological, breast implants and others). Using the software and data flow schemes developed for the RIAP, the portal also has the function of data input to feed the registries.

Results

The new institutional web portal will for the first time bring together the national registries of all types of IMD, meeting the needs of various stakeholders, from patients to surgeons to decision-makers.

Discussion/ Conclusion

The portal has a double role: it offers comprehensive information and in its reserved area allows for data input by Italian hospitals. To guarantee its efficacy, the developed structure will be tested for usability using digital marketing and sociological methods.

Notes