TRACE AROUND THE BLOCK!

VALIDATION OF AUTOMATED INTEGRATION OF IMPLANTABLE MEDICAL DEVICE TRACEABILITY DATA INTO AN ELECTRONIC PATIENT RECORD

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BACKGROUND AND IMPORTANCE

French regulations require **traceability** of Implantable Medical Devices (IMDs) to be recorded on **discharge documents** and in the **Electronic Patient Record** (EPR)

2023 Audit showing that only **69,5% of patients** EPR (Electronic Patient Record) mentioned the type of IMD used

2024 Development of an **HL7 interface** between our Pharmaceutical Management Software (PMS) and our EPR that **automatically** uploads to the EPR a file specifying the **traceability data of IMDs entered in the PMS**

AIM AND OBJECTIVES

Validate the **data transfer automation** from the Pharmaceutical Management Software (PMS) to the EPR via an interface

MATERIALS AND METHODS

« Single day » audit (single observer) on 3 independant days (August and September 2024)

Surgical program data
(name, administrative file number (AFN), date and type of surgery, surgical specialty)

Medical management software (Web100T®, Dedalus)

Traceability data provided by the pharmacy
(name, AFN, number of IMDs tracked)

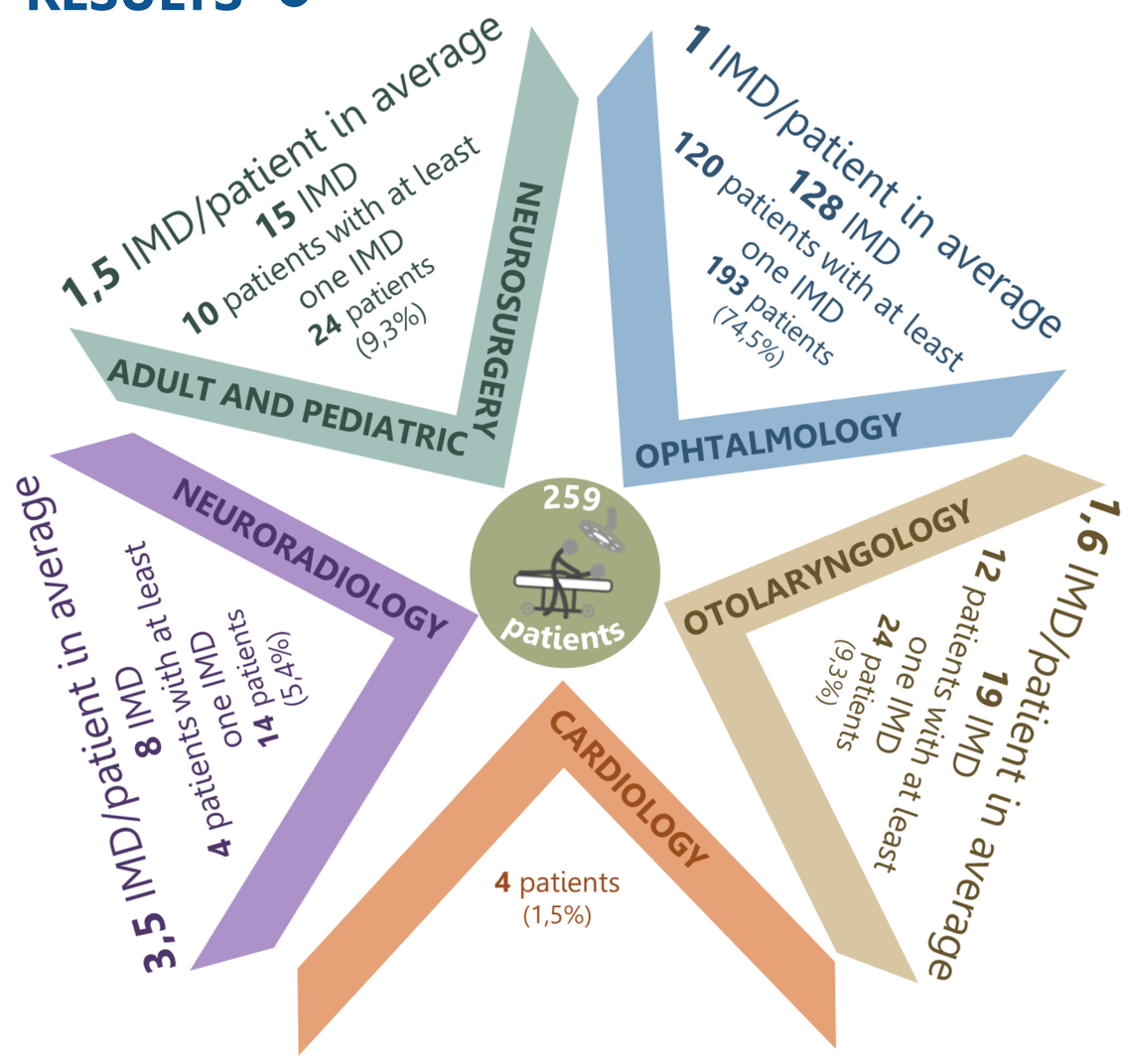
PMS (PHARMA®, Computer Engineering)

Presence of a traceability document

Traceability delay

EPR (DxCare®, Dedalus)

RESULTS



146 patients (**170** implants traced) with a traceability in the PMS

Traceability document in the EPR for **145** patients (**99,3%**), associated with the correct AFN for **143** patients

Traceability within **48h** for **139** patients
(95,2% of patients, 150 implants)

2 traceability documents for **2** patients: traceability carried out on **2 occasions**
(dispensing on different departments: common supply and specialized depot)

CONCLUSION AND RELEVANCE

Automation of traceability data transfer (**99.3%**) » Complete EPR with exhaustive health traceability » Toward an implementation of the final stage in the data transfer automation
(from EPR to shared digital medical record)

eahp european association of hospital pharmacists — making the difference in medication

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PSQ50118