Improving patient safety and efficiency in the OR

Potential savings of 170 million euro in Dutch hospitals

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Introduction Justin Bitter MSc

- **Current:**
  Strategic manager OR Bernhoven Hospital The Netherlands

- Master of Science in Business Administration
  PhD Student since January 2012

- Chairman of the **Dutch** GS1 Traceability Focus Group
Best Practice

- University Medical Centre Nijmegen (one of 8 in NL: 60 years young)
- Focus areas on international level Cure-Education-Research
- OR-procedures > 29,000 (Available: 28 ORs, located in 3 locations)
- 9,000 employees
- 3,000 students
- 1,000 beds
- Turnover > $1,000,000,000 p.a.
- Largest employer in the area
Background

◆ Need to increase patient safety by introducing 100% traceability of used medical devices on patients

◆ Need to improve recall procedures (digitized)

◆ Need to increase efficiency and reduce costs
Scope of the Dutch business case

Medical devices used in the OR and treatment rooms such as:

- Implants
- Disposables
- Stents
Process

**GS1 Traceability standard for Healthcare for implementing traceability**

- GS1 Barcode with GTIN, expiry date and batch or serial number
- Locations are identified using GS1 GLN
- Linking this information to the Electronic Patient Record (EPR) and Hospital Information System (HIS)
Benefits: Improving patient safety

Operations can proceed as planned due to visibility of inventories

Improved recall digitized procedure: one push on the button!

Products registered across the logistics chain making them simple to locate, regardless of where they are....
Benefits: Improving efficiency

Reduce inventory levels by 20%

Bring down obsolete stock by 80%

Save time and money through:
- Automatic reordering
- Use of electronic packing lists
- Electronic billing

Accelerate recall procedures (paper trail being digitized)

Make the most effective use of consignment goods
GS1 Netherlands propose the GS1 Global Traceability Standard for Healthcare

- Expedient
- Standardization
- Safety

Potentials savings of €170 million annually and ROI in 8 months
Business case is available on the Dutch website of GS1

http://www.gs1.nl/download/samenzorgen/traceerbaarheid
business_case_gs1%20traceability.pdf
Thank you for your attention!