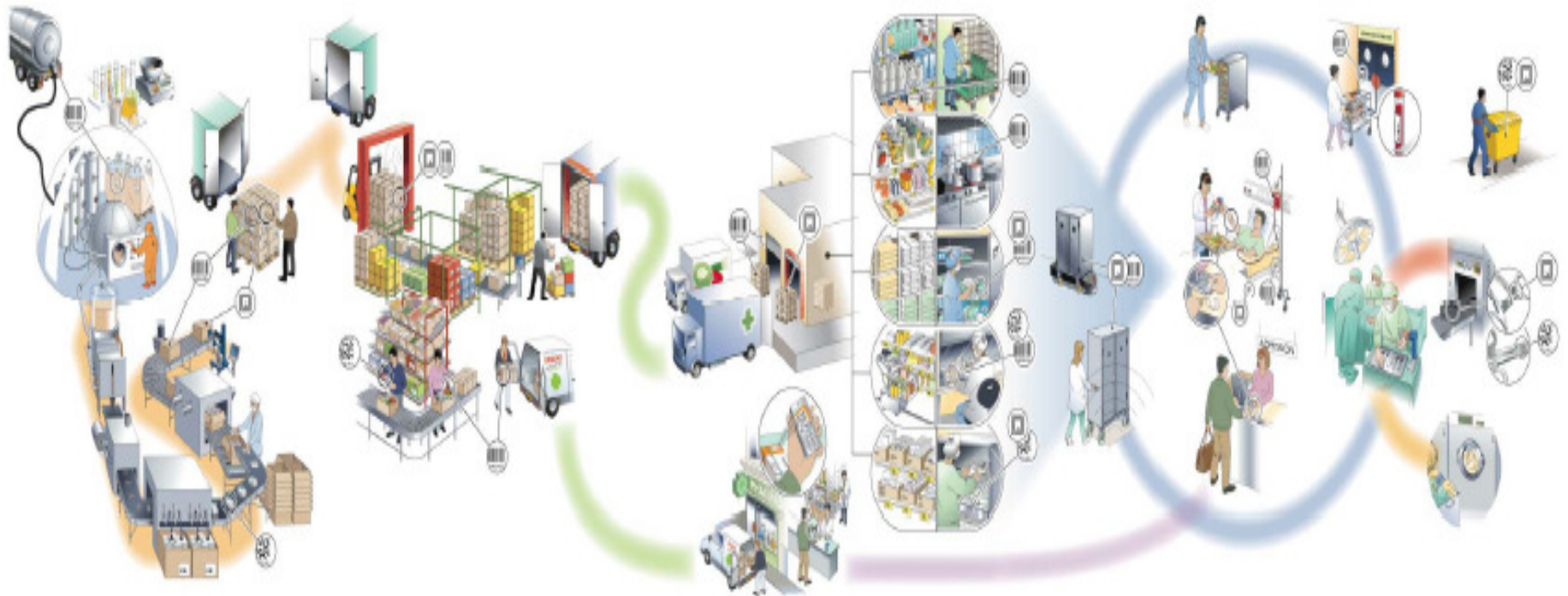


Improving patient safety and efficiency in the OR

Potential savings of 170 million euro in Dutch hospitals



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



Waste



Changing environment



Safety



Scope of the Dutch business case

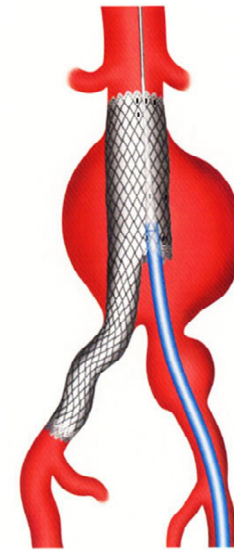
Medical devices used in the OR and treatment rooms such as:



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....

Items Zoeken
Operatie Items
Items ontvangen
Kar controle
Verbruik
Lotnummers
Items terugleggen
Rapportage
Beheer

Referentie	Beschrijving	Lotnummer	Item nummer	Leverancier	Locatie/Patient	Afdeling	Costcenter	Status
Voorraad								
Patienten								
DPL100204-20	Deltaplush 10, 2mmx4cm	g15744	ITE+RADITE0000112284	JOHNSON & JOHNSON MEDICAL BV	6832220	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	g15744	ITE+RADITE0000112285	JOHNSON & JOHNSON MEDICAL BV	3608679	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	g15744	ITE+RADITE0000112286	JOHNSON & JOHNSON MEDICAL BV	9833909	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	g15744	ITE+RADITE0000112287	JOHNSON & JOHNSON MEDICAL BV	9833909	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	g15744	ITE+RADITE0000112288	JOHNSON & JOHNSON MEDICAL BV	4092698	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	g15744	ITE+RADITE0000114497	JOHNSON & JOHNSON MEDICAL BV	4092698	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	G15744	ITE+RADITE0000115386	JOHNSON & JOHNSON MEDICAL BV	7643020	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	G15744	ITE+RADITE0000115387	JOHNSON & JOHNSON MEDICAL BV	1835994	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	G15744	ITE+RADITE0000115388	JOHNSON & JOHNSON MEDICAL BV	1835994	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	g15744	ITE+RADITE0000116703	JOHNSON & JOHNSON MEDICAL BV	1835994	N	027260	USED
DPL100204-20	Deltaplush 10, 2mmx4cm	g15744	ITE+RADITE0000116704	JOHNSON & JOHNSON MEDICAL BV	1835994	N	027260	USED

Lotnummer:

Leverancier:

Ontvangstdatum:

Artikelreferentie:

Gebruik dit scherm om naar items te zoeken met een bepaald lotnummer.

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

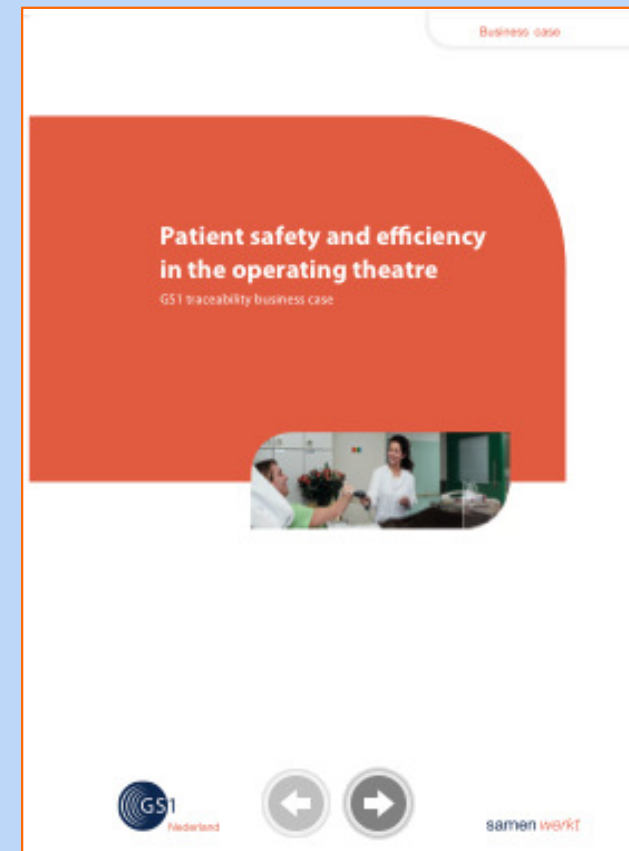
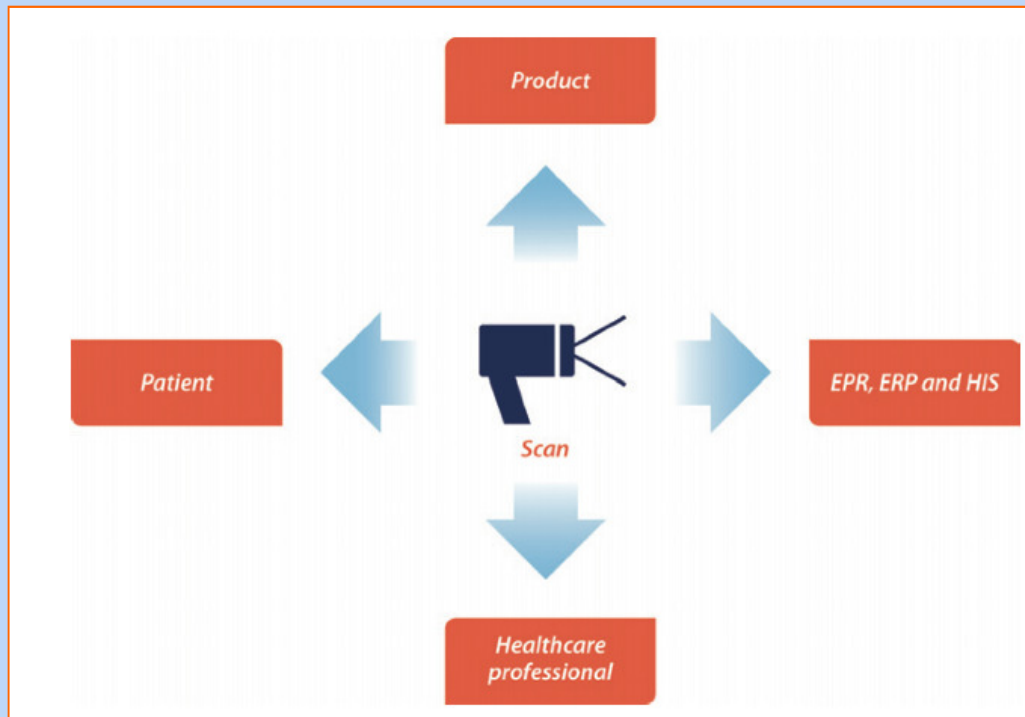


Safety

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!

