The 14th HPAC Webinar
Barcode scanning in the OR

Elisabeth TweeSteden Ziekenhuis
The Netherlands

Roland van der Loos (OR Manager)
Jeroen van Winden (OR Supply Chain coordinator)
Please type your question in the dedicated box
Next HPAC Webinar

Healthcare Provider Advisory Council Best Implementation Case Study Award winners

From the U.K.

Date: Thursday 11\textsuperscript{th} February 2016 AND Thursday 10\textsuperscript{th} March 2016

Time: 13:30 BST

http://www.gs1.org/healthcare/hpac_webinars
Barcode scanning in the OR

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Roland van der Loos (OR Manager)
Jeroen van Winden (OR Supply Chain coordinator)
In this webinar

• Introduction
• Business Case
• Project – overview
• Project benefits
• GS1 compliance
• Future
• Questions
Introduction

• Elisabeth-TweeSteden ziekenhuis, Tilburg area
  The Netherlands

• 3 Locations
• Approx. 900 beds
• 24 OR’s
• Approx. 20,000 surgical procedures
• Stockvalue ± € 3.5 mil.
Introduction

Jeroen van Winden
Supply Chain Coordinator

Roland van der Loos
OR Manager
Bottlenecks

- User has no responsibility for costs
- Costs made not visible per surgeon / specialty
- Stock piles
- No overview of expiry dates
- No digital registration of implants in patients
- Inefficient logistic process
- Lack of sufficient insight in stock value
Business Case

Costs

• €40,000 invested from OR budget (phase 1)

• Creating support executive board by proof of concept

• €30,000 invested from hospital (phase 2)
Business Case
Cost Benefit

• Phase 1 (estimates)
  – Stock reduction 10% ± €21,000
  – Waste reduction ± €10,000
  – Higher cost awareness ±€6,000
  – Improved logistics ±€4,000

  – Total ±€41,000
Business Case
Cost Benefit

• Phase 2
  – Lowering CSSD costs ±€7,500
  – Further stock reduction ±€20,000
  – Reduction of staff (0,5 FTE) ±€29,000

  – Total ±€46,500
The project

Phase 1
From OR costs to OR stock and costs of use per specialty
Scanning of Self created, non-GS1, barcode labels and manual entry of lotnumbers within OR
Automated ordering process

Phase 2
Use of supplier barcodes (GS1 and HIBC) and automated entry of lotnumber

In the Operating Room Theathre, ultimate goal for complete hospital
Risks

Overflow of administrative tasks for OR nurses

Changing the mindset for logistics

Matching system stocklevels with fysical stocklevels
Benefits explained

Digital recall

Stock reduction

Costs reduction

Optimal logistic process
Benefits: Digital Recall

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Query when recall vs paper files
Benefits: Stock reduction

10% Overall stock reduction
Benefits:
Cost reduction

70% reduction of express delivery costs
Benefits:
Lean from scan to order

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<tr>
<td>Implant</td>
<td>Transaction</td>
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<tr>
<td>Scan Patient label</td>
<td>Approve?</td>
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<tr>
<td>Scan implant</td>
<td>Approval</td>
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<tr>
<td>Order creation supplier</td>
<td>Order creation hospital</td>
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35% decrease in process steps
48% increase in automated process steps
Benefits: Logistic process

Increase in 24hr delivery by 30%
GS1 compliance

We strive towards 100% GS1 barcodes in the OR:

- Explaining the urgency to non-GS1 suppliers
- GS1 barcoded labels for non-barcoded items
- All new products need to have GS1 barcode
Future

Roll out over OR 3\textsuperscript{rd} location and onwards

Lotnumber track and trace from delivery to patient

Shifting the push-pull point from actual OR to planned OR
Don’t hesitate, just do it!
Contact Information

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