

Scanning of high-risk medication in the OR




Biography



Sandra de Bruin-Reijers

- OR nurse and teamleader for 13 years in university hospital
- Teamleader Anaesthesia and recovery in Bernhoven hospital
- Projectleader scanning of high-risk medication in the OR

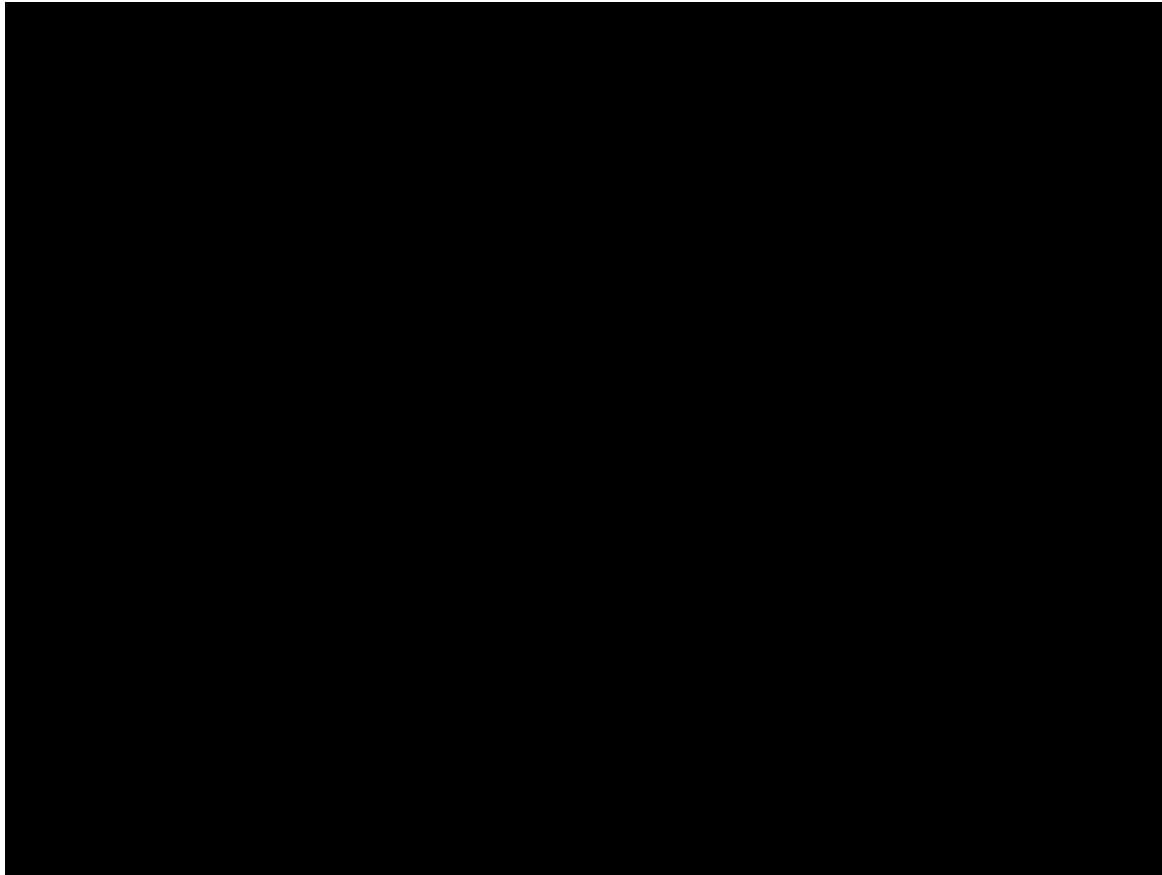


Why?

- Problems with double-check medication
- It's mandatory by the Dutch Inspectorate for Healthcare
- Decrease medication errors

PATIENTSAFETY

As is



Problems

- No one way for labeling medication
- No double check in emergency cases



(A) No Labeling Elements



(B) Name Only



(C) Propofol without Expiration



(D) JC Compliant

Goal

- Increasing patient safety
- Designing effective processes



How to reach our goal?

Scan

Print

Apply





About the implementation

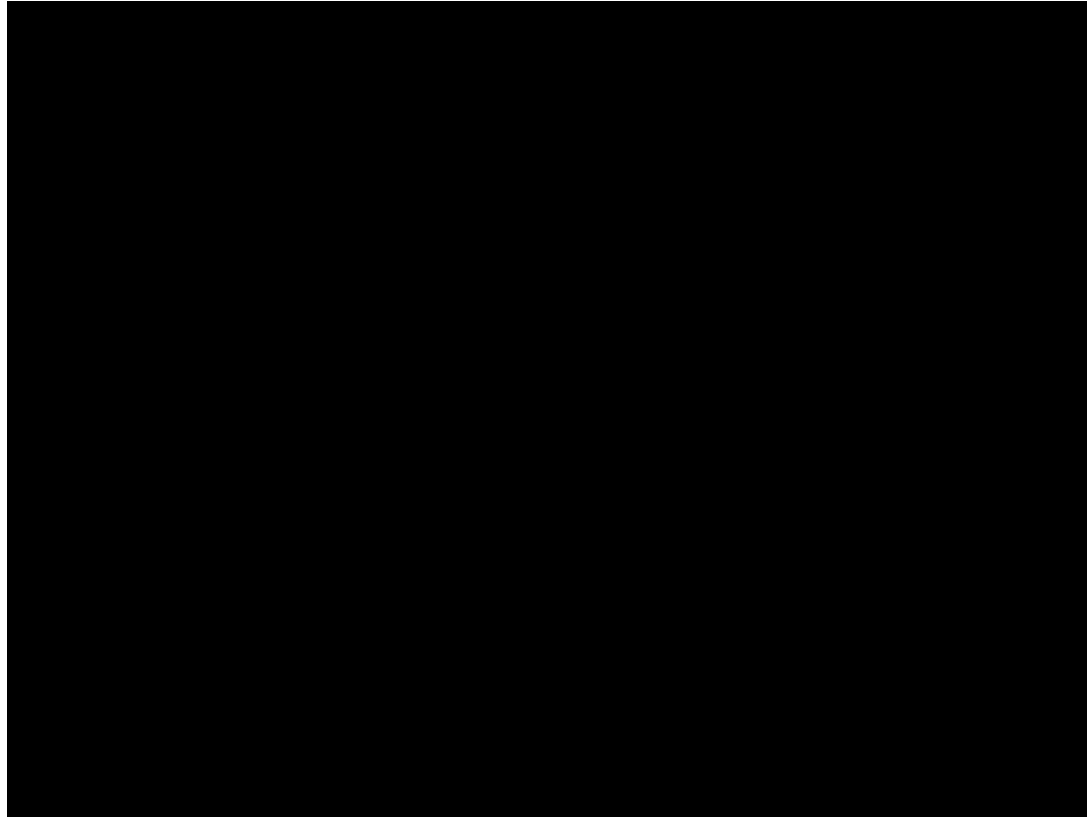
- Steering Committee and project team
 - Pharmacist
 - Anesthesiologist
- Quick scan Bernhoven hospital
- Validation of processes
- Proof of concept



Quick scan

- Tough traceability of medication errors.
 - Scientific literature research
 - 45% errors by preparing
 - 37% errors by administration
 - non reported errors
- Missing barcodes

To be



Benefits

- Certified labels
- Read back method with medical device
- One way labeling system
- Decrease human factors

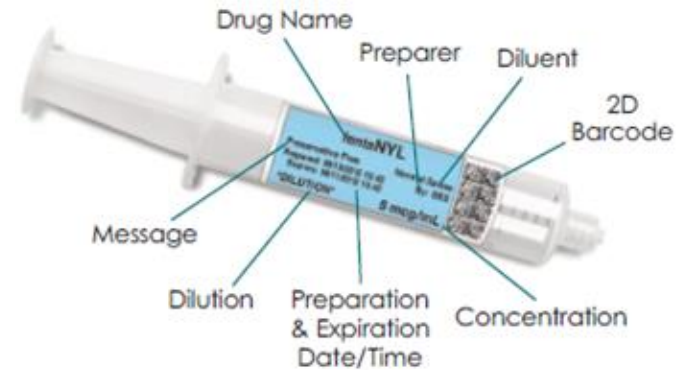









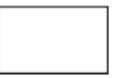


Table 2 — Representations of colours^{a, b}

 Yellow RGB 255,255,0	 Orange RGB 255,102,0	 Fluorescent red RGB 253,121,86	 Warm red RGB 245,84,41	 Blue RGB 133,199,227
 Violet RGB 222,191,217	 Grey RGB 194,184,171	 Green RGB 163,217,99	 Salmon RGB 237,194,130	 White RGB 255,255,255



Ambition

- GS1 certified labels applied by suppliers
- Recall & Expiration date
- Interface with certain software systems to exclude human factors



working lunch?