



TMH

TECHMED HEALTH

Clinical
Presentation



The Problem

Spillage and cross-contamination

Insertion site infection after an interventional procedure is one of the major causes of Healthcare-associated infections in Interventional Radiology.

The incidence of such infections is 4.3/100 interventional procedures.

In the majority of cases, a causative organism is not identified.

Patel IJ, Davidson JC, Nikolic B, et al.; Standards of Practice Committee of the Society of Interventional Radiology. Addendum of newer anticoagulants to the SIR consensus guideline. *J Vasc Interv Radiol.* 2013;24(5):641-645

Sertic, M., Parkes, L., Mattiassi, S., Pritzker, K., Gardam, M., & Murphy, K. (2019). The efficacy of computed tomography-guided percutaneous spine biopsies in determining a causative organism in cases of suspected infection: a systematic review. *Canadian Association of Radiologists Journal*, 70(1), 96-103.



CT Scanner Environment

- More than 50 patients per day are scanned
- Patients touch multiple areas of the scanner during their procedure
- Patients are mostly sick and carry a lot of diseases through touch and breathing
- Due to workflow and high patient throughput, scanners are not cleaned properly between patients
- Handwashing by HCP is not 100% either and thus cross-contamination occurs between patients and staff



Spillage from Routine Scanning



A common problem has existed since the inception of CT with spillage of contrast, blood or bodily fluids on the gantry, which seep through the spaces between the mylar window and gantry surface that leaks on the detectors. These substances cause degradation in image quality, especially if iodinated contrast extravasated from the patient.





- During CT blood and/or iodinated contrast media can spill all over the gantry which increases cleaning time between patients
 - Trauma and intensive care patients have a lot of fluids that touch the gantry which increases cleaning time
 - Spillage can leak onto the detectors and cause image artefacts
- Clean up of CT gantries after the procedure ends is very time-consuming and is not always
- optimal with risk to staff





The Solution



World's First Everyday Use Drape

- Unique design for use during ALL CT procedures such as:
 1. Trauma
 2. Intensive Care Patients
 3. Routine Scanning
 4. COVID patients
- Keeps the gantry field clean to stop cross infection of the patient and to protect the CT gantry from ingress of body fluids during procedures
- Product is designed to fit any CT gantry, and to be placed to create a fluid proof sterile barrier for 3 hours with unique folding design Absorbent surface and collection bag which can hold up to 1 liter of fluid
- Can be used for more than 24 hours if no fluid is spilled



Single Person Installation

4-Step Approach

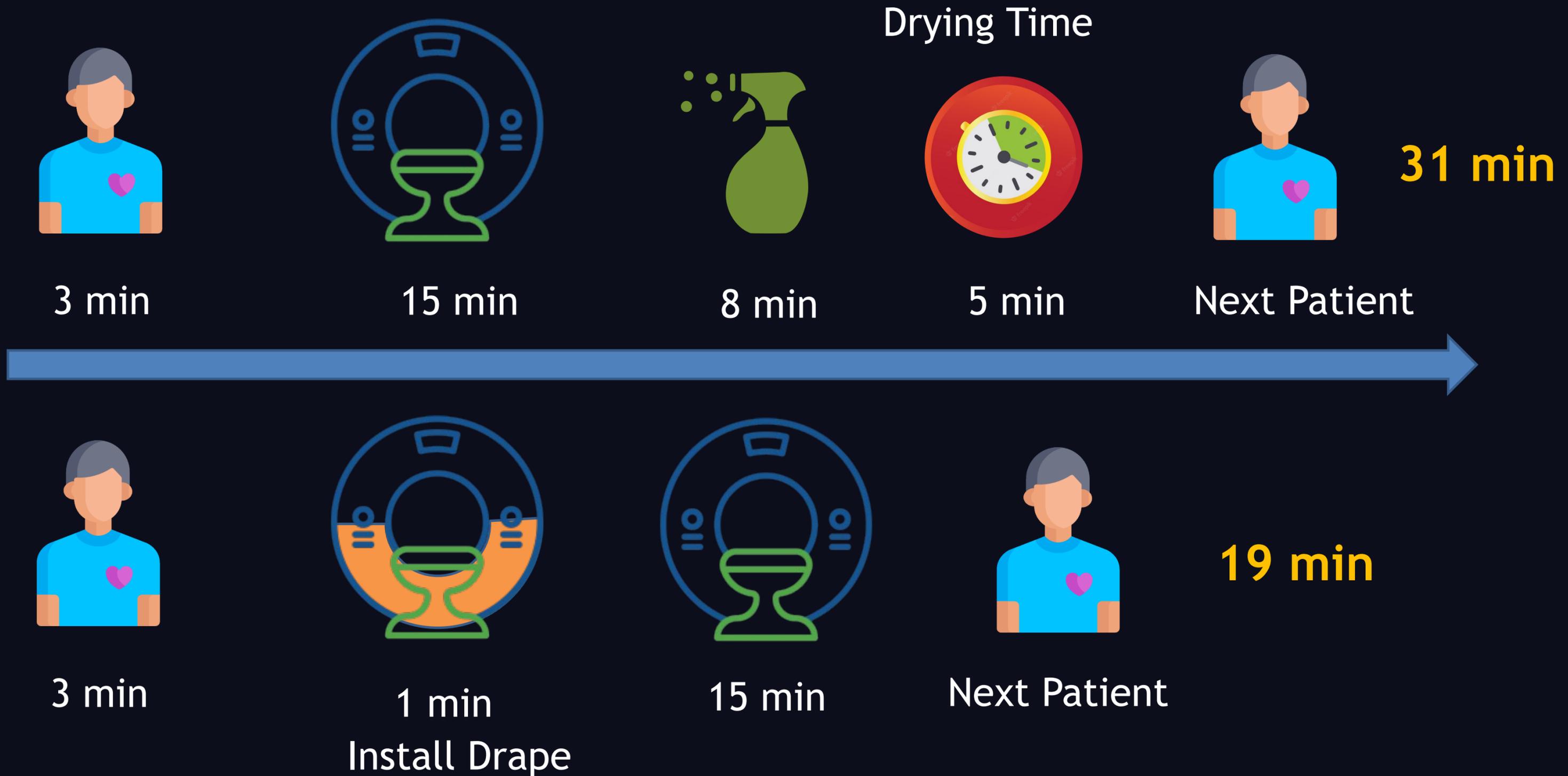
30 seconds ONLY





Workflow

12 min per patient Workflow Time Savings





Can be used on Routine Imaging

- Save up to 15 minutes per patient on wiping down the gantry
- Save on time of radiographers and nurses with more than 4 hours of time wasting per day
- Increase throughput and revenue
- Reduce hours of cleaning time in multi-trauma patients with blood and contrast media
- Prevent further blood seeping on to the imaging detector which reduces downtime of the CT scanner

**Safer
Environment**



**Increase
Revenue**



Save Time



**Increase
Patient
Throughput**



Reduce Infections





Locations

Selling in 72 Locations Worldwide and Counting



- USA
- Canada
- South America
- China
- Korea
- Japan
- ASEAN
- Australia
- New Zealand
- Middle East
- Africa
- Europe

SOLD > 2 million Drapes and Counting



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Thank You