







Infection Prevention and Control "Building Capabilities"



Spillages, Linen and Waste Management

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Objectives:

Brief overview - Acute setting

- Spillages (blood/body fluids)
- Linen
- Waste

Aim:

To prevent transmission of infection during handling



Overview

Protect yourself and others by:

- · Education/Training
- Use of Standard precautions BBF all HCWs, all patients, all the time
- · BBV carriage not readily identifiable
- Risk assessment approach what do you need?
- Preventive actions Routine immunisations, cover cuts/grazes, needle free systems
- Follow local policy
- · Always follow manufacturers' instructions
- Know your sharp/splash exposure incident procedure



Spillages – Blood and body fluids

Body fluids – Any fluid found in, produced or excreted from the human body

Body fluids to be handled as blood:

- Peritoneal
- •Pleural
- Synovial
- •Amniotic
 •Semen
- ·Vaginal secretions
- ·Breast milk
- •Any other body fluid containing blood

Non blood containing (assess): Urine, faeces,



General

Relevant to general ward /clinical areas

Labs, Pharmacy, Radiology - have specialist kits/procedures

Who is responsible?

- •Follow local policy should be clearly defined
- ·Wards/departments Clinical staff
- •Public areas Cleaning contractors
- •Must have been trained
- •Deal with immediately prevent injury or exposure to others
- •Chlorine releasing agents not to be used directly on urine or vomit vapours



Preparation

- · Spill kit if available
- Safety signage
- Well ventilated open window
- Cover cuts/grazes PPE +/- goggles
- · Paper towels contain and soak
- · Risk waste bag
- NADCC granules Presept absorb/disinfect
- Disinfectant agent combined detergent/disinfectant
- Mattress, stainless steel, plastics rinse area with plain water after contact time





Procedure

√PPE

Blood/body fluids -(slide 4)

Other non blood spills

√PPE

√Chlorine releasing granules/solution 1:10,000ppm

√Contact time 2/3 mins (MI)*

√Wipe up or scoop -discard as HC

√Wash area with neutral detergent/allow to dry

√Remove PPE /dispose/ hand hygiene

* MI - Manufacturer's instructions

√No direct contact of chlorine agent on urine/vomit

Soak up excess with paper towels

✓ Use solution of 1:1000 ppm available chlorine

√Contact time as MI -eg 5 mins

√Rinse /wash area/allow to dry

√Dispose of waste/Hand hygiene

Handle with care - minimise transmission of infection due to:

- Dust
- · Skin scales
- · Contact with blood/body fluid soiling

All processed linen should be visibly clean, not damaged and not discoloured

Linen

Correct segregation

- · protects staff handling and processing linen
- · Prevent cross contamination of clean linen



Categories



- · Clean unused (except when taken into isolation
- Foul/infected soiled with blood/body fluid or known/suspected infectious patient (MDRO) whether soiled or not
- · Dirty/used all other used linen colours, scrubs, theatre linen

Colour codes - linen collection bags

- · White/clear used white non contaminated linen
- · Blue coloured, e.g. patient gowns
- Red foul/infected water soluble alginate bags
- · Green Theatre linens- scrubs separately, alginate bag if soiled with blood/body fluids



Storage of Linen

- ·Store separately from soiled/used linen
- ·Store in clean cupboard, slatted shelved/racks off floor for cleaning
- •Keep door closed protect with impervious protective covering

Foul/infected/used -

- ·Store bags 2/3 full , tagged in designated, lockable area - ensure regular collection
- •Category 4 for incineration
- •Curtains change on regular dated schedule unless infectious patient - Disposable option

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Bed making points

- Risk assess need for PPE
- · Hand hygiene following the 5 Moments
- · Alcohol gel at point of care
- · Linen skip to bedside
- No shaking, sorting of linen ensure all items removed - prevent injury, damage to equipment
- If soiled /foul linen on floor treat as spillage
- Linen bags 2/3 full



Waste

Healthcare Waste: solid or liquid arising from Healthcare or health related facilities/activities

Either: Healthcare RISK or Non risk waste (household category)

Risk: due to Infectious, biological, chemical, radioactive or sharps content

Assess risk: at point of origin - where nature of waste best understood

Special circumstances - Ebola 2014- Category 4 waste disposal for incineration - HPSC



Why segregate

To protect personnel and identify correct disposal stream

Steps: Handling, packaging/safe storage, collection, transport, treatment and disposal

Correct segregation saves:

- ✓Money
- ✓Jobs
- ✓Litigation injury/exposure
- √Environmental impact reduce, reuse, recycle



Healthcare waste disposal

<u>Landfill/recycle:</u> Household waste e.g. clear plastic bags/plastics/paper and cardboard

Alternative technology: Shredding and disinfection of waste at special plants – Yellow lidded 30/60 lts rigid and sharps bins – Ireland

Incineration: abroad - no plant in Ireland Purple and Black lidded rigid bins/purple sharps bins

ALL Bags/Containers must conform to UN requirements

Huge cost implications: segregate correctly



Costs of disposal – Ireland Source: Health care Risk waste fact sheet 2014 Green Healthcare





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Healthcare Risk Waste: Yellow Bags and Bins:

Alternative Technology - Ireland

Waste bags- carry by neck away from body, **no sharps**, **liquids**, **hard objects**, close when 2/3 full-cable tie/tag

Store in designated area awaiting collection Swan – neck method of bag closure: safer to handle



Sharps bins - alternative technology - Ireland

Standard sharps bins: No free fluids Non cytotoxic/cytostatic (botox) contaminated

Use tall bins for guidewires, large trocars etc



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Yellow rigid bins 30/60 litrealternative technology Ireland

Blood admin sets connected to blood bag Sealed/contained fluids, drains- drain closure sealed

Absorbent material/gelling agent - in case of

No exposed sharps

No free fluids







Purple lidded sharps bins-Incineration abroad

No free liquids Contaminated cytotoxic sharps, needles, syringes Unused medication in syringes e.g. in OT ICU – Anaesthetic/sedation drugs



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Yellow rigid 30/60 litre purple/black lid; Incineration – abroad – cost!

No sharps or free liquids
Cytotoxic contaminated HC Waste/PPI
Small amounts residual/left over
pharmaceuticals after administration to
patients- contained
Absorbent/gelling material to go in bin

Black Lid: Theatre /Lab cultures Recognisable anatomical waste Large metal surgical objects



New waste poster - 2014 Waste handbook Page 44 Scencearon & Peccanic of Heartmean Flish & Northern Waste handbook Page 44 Scencearon & Peccanic of Heartmean Flish & Northern Waste handbook Page 44 Scencearon & Peccanic of Heartmean Flish & Northern Waste handbook Page 44 Scence Annual Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scence Annual Flish & Northern Waste handbook Page 44 Scene

Summary

- Training/Education
- Risk assess
- Standard precautions

Stay safe!

Ensure a safe work environment for all Questions

Thank you



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