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The Vital Role of Sterile Processing

Sterile Processing (SP) technicians are critical in infection prevention.



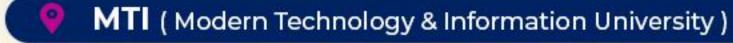
Every step in SP is designed to ensure patient safety.

Critical Practices

Poor processing practices can lead to SSIs or even death.







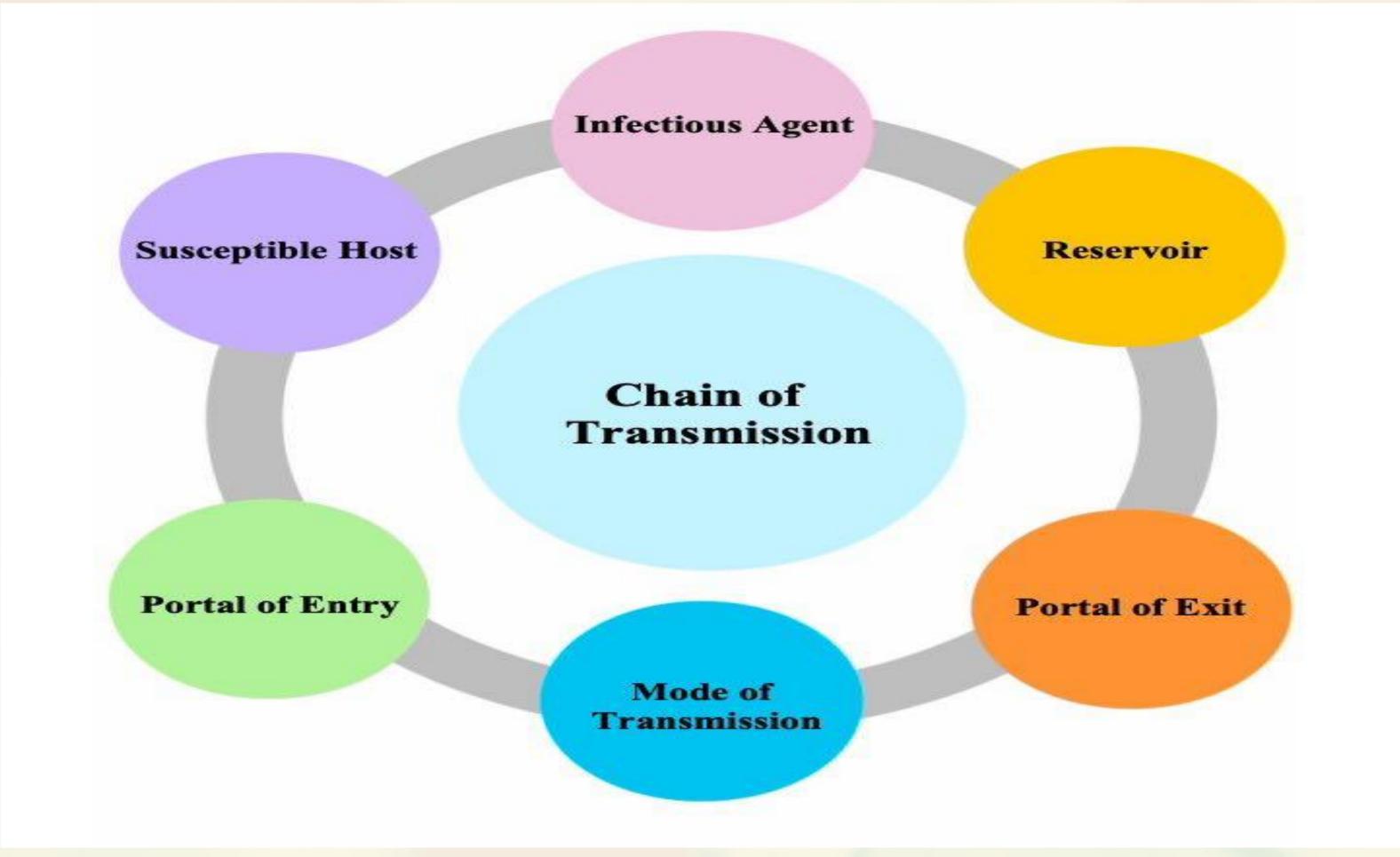






MULTIDISCIPLINARY CONFERENCE









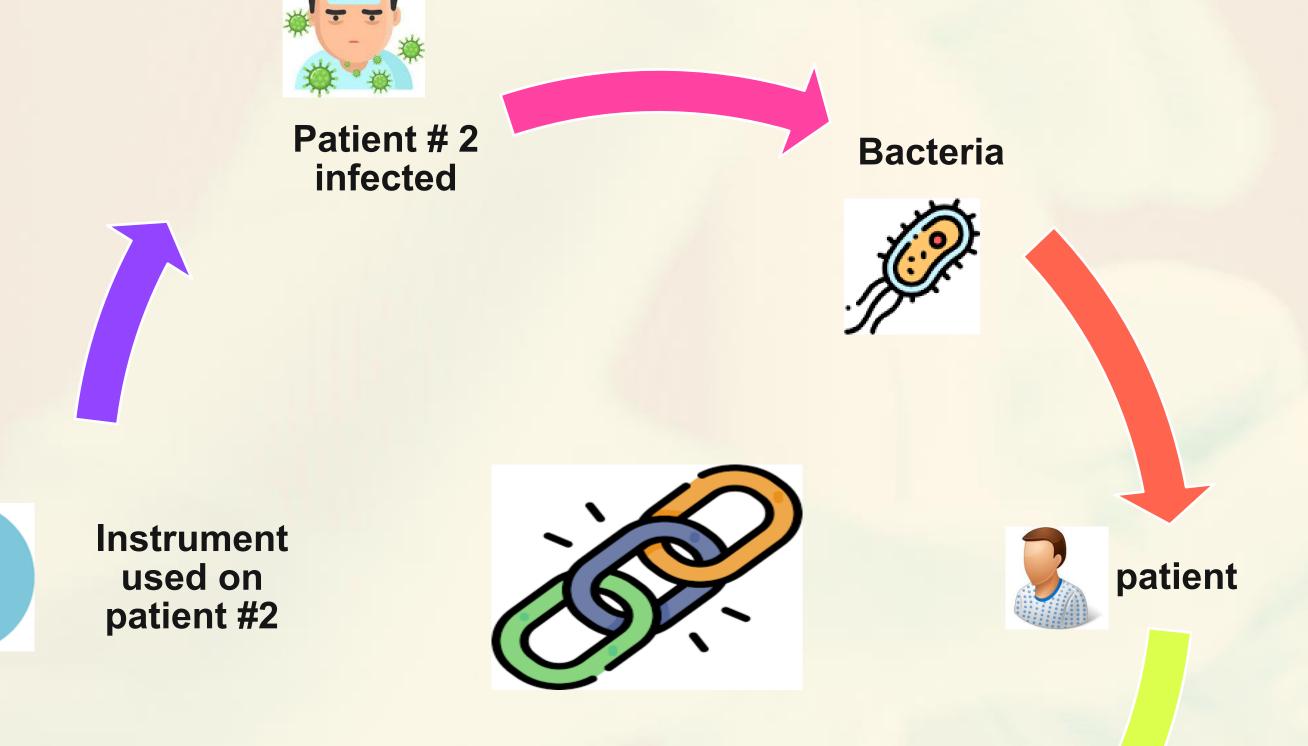






The Chain Of Infection From A SP Perspective











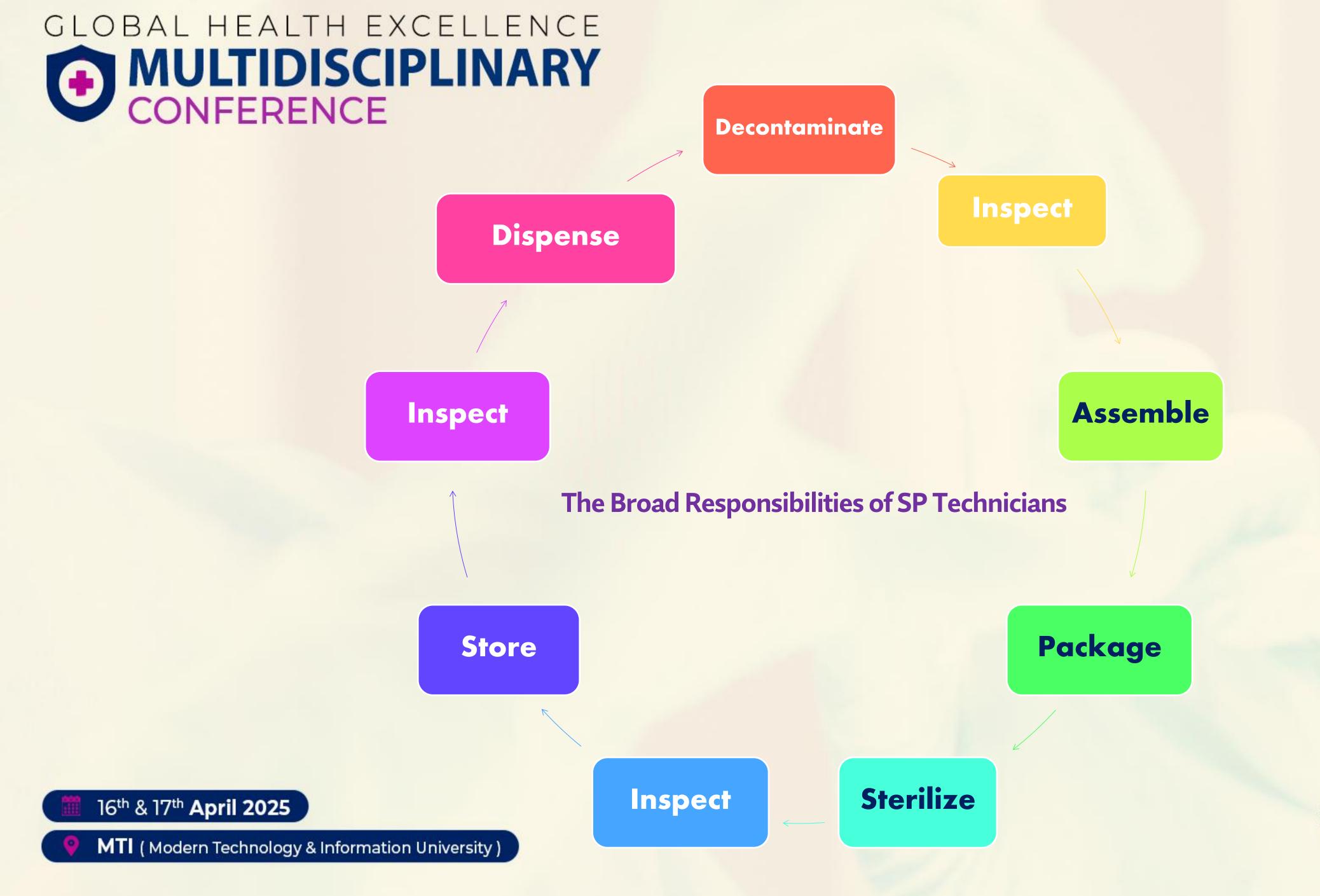


















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687K

HAIS

CDC: 687,000 HAIs in hospitalized patients (2015).

2

72K
Deaths

72,000 deaths due to HAIs—many preventable

3

310M

With 310 million surgeries performed annually worldwide, the risk of infection remains a significant concern.



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High-Profile Incidents

Colonoscopes

2011–2013: Improper colonoscope cleaning – HIV/Hepatitis risk.

CRE Superbug

2015: CRE superbug linked to endoscope contamination – 2 deaths.

Duodenoscopes

2016: 3 deaths from infected duodenoscopes in Colorado









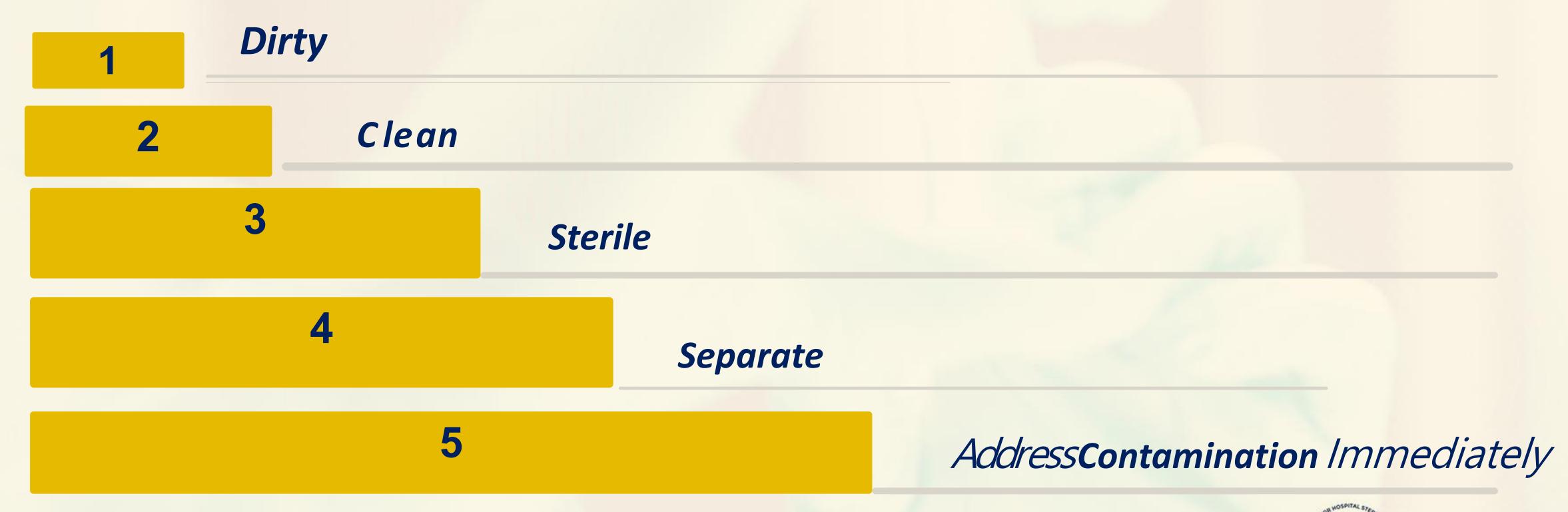








The Five Guiding Principles of Asepsis



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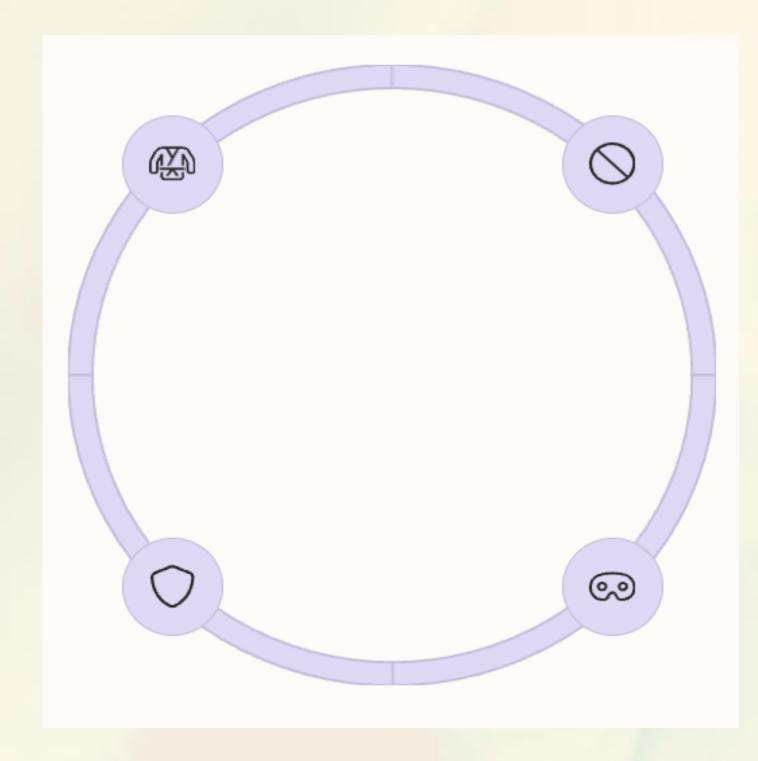
Rigorous Hygiene and Adherence to Dress Code

Scrubs and Head Covers

Always wear facility-laundered scrubs and head covers.

Protective Gear

Use fluid-resistant gowns, gloves, and face protection



Prohibited Items

Avoid jewelry, personal electronics, or street clothing.

PPE Protocols

Strictly follow PPE protocols in decontamination areas.





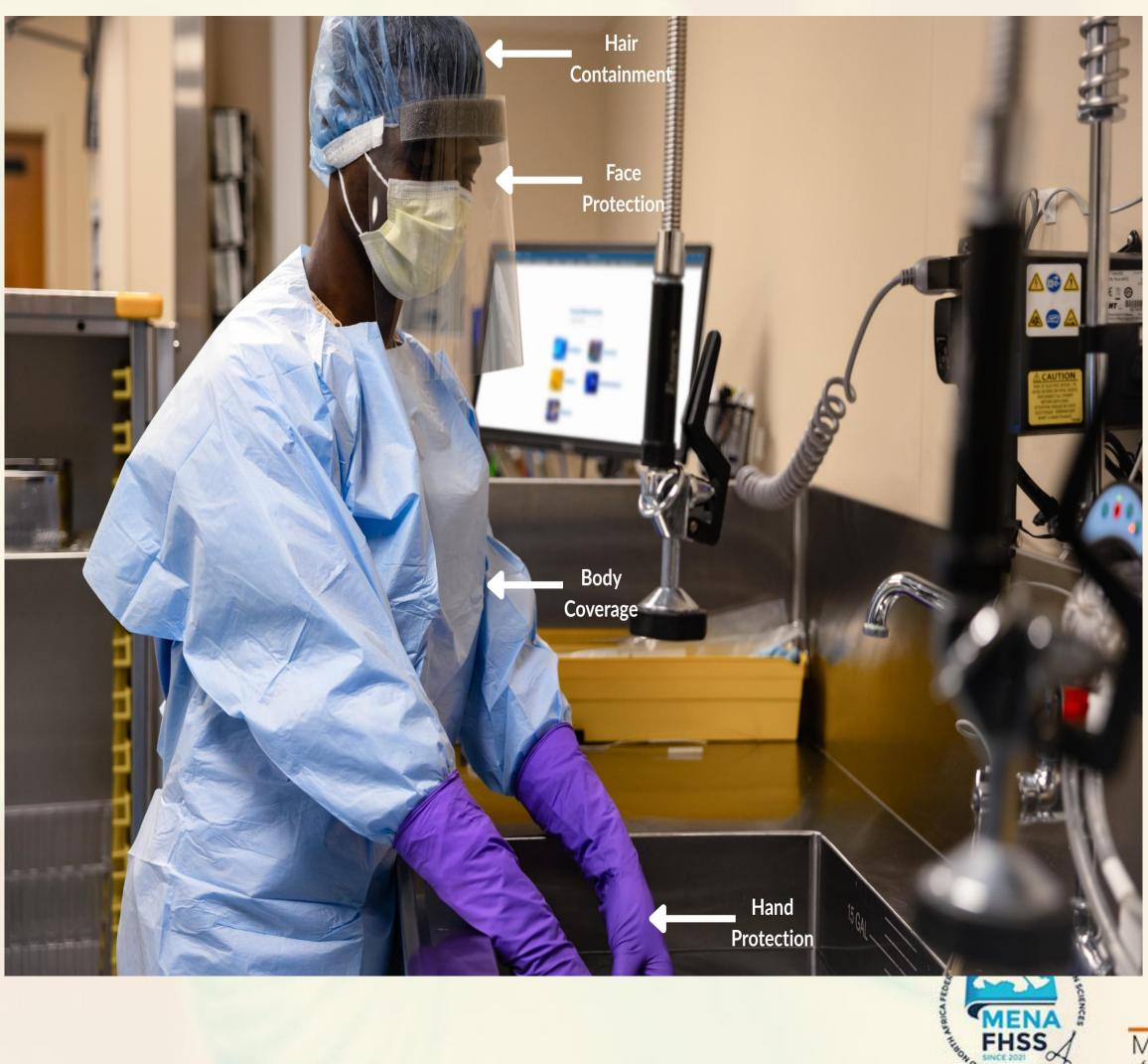




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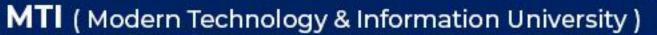














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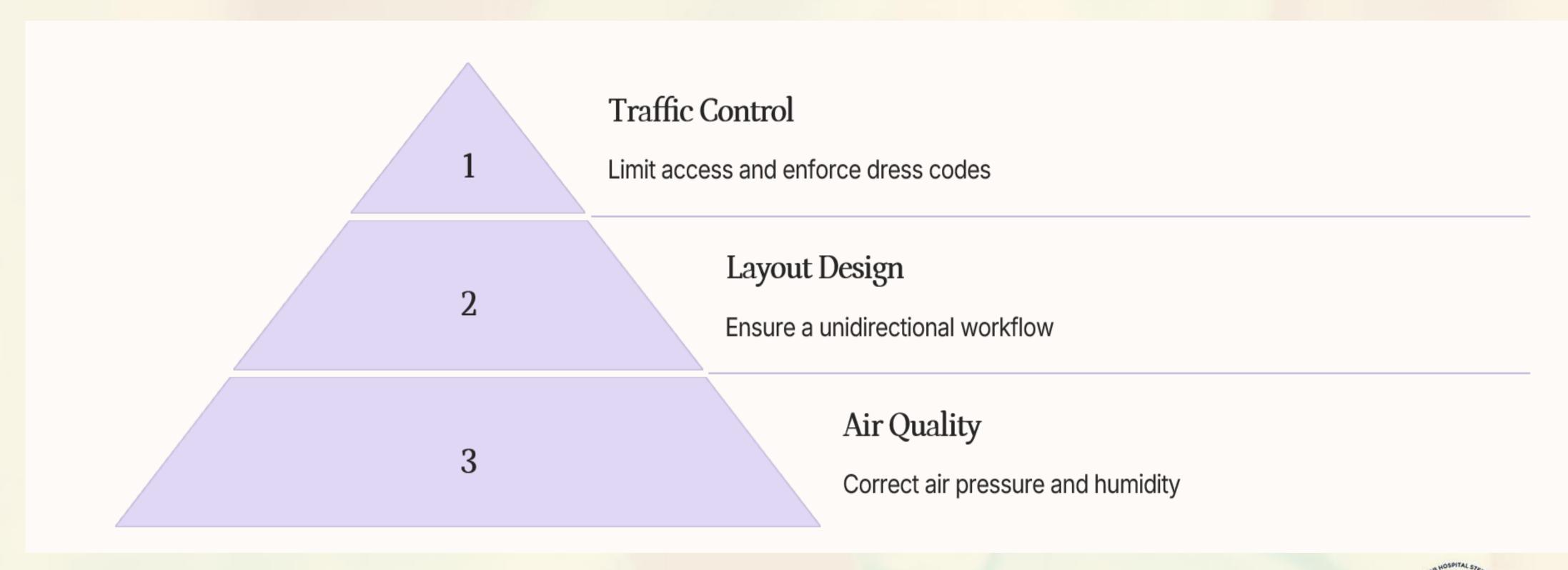




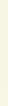




Environmental Control: Maintaining SPD Integrity























RESTRICTED ——AREA——

Decontamination Zone

SmartSign.com + 808-953-9467 + 82-1284

STERILE AREA **AUTHORIZED** PERSONNEL ONLY SURGICAL ATTIRE REQUIRED NO FOOD OR DRINK

















Soiled Area

Clean
Processing Area

Sterile Storage





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PositiveAirPressure

• (Higher Pressure)





NegativeAirPressure

• (Lower Pressure)



Positive Air Pressure

• (Higher pressure)



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Maintaining Cleanliness in Sterile Processing



Reduce Contaminants

Minimize dust, lint, and bacteria.



Prevent Fomite Contamination

Clean door handles, keyboards, and work surfaces daily.



Ban Food and Beverages

Prevent spills, contamination, and pests















Cleaning Protocols

- Floors wet mopped daily.
- Dedicated equipment for decontamination.
- Horizontal surfaces cleaned daily

Light fixtures elected

Periodic Cleaning

- Light fixtures cleaned every six months.
- Other surfaces cleaned regularly.
- Trash emptied daily.

Storage Units

Use appropriate storage. Closed cabinets are for high-traffic areas. Open racks are for controlled areas.







Handling

Ensure proper handling. Maintain workflow. Items should be handled properly at each stage.



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