



**VELAMMAL MEDICAL COLLEGE HOSPITAL &  
RESEARCH INSTITUTE**

(Affiliated to the Tamil Nadu Dr. MGR Medical University)

"Velammal Village", Madurai-Tuticorin Ring Road, Anuppanadi, Madurai - 625 009.

Phone : 0452 711 3333, Email : info@velammalmedicalcollege.edu.in

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From

The Professor and HOD

Dept. of Microbiology

VMCH & RI

Madurai

To

The Dean

VMCH & RI

Madurai

Respected Sir,

As we have planned to conduct an Infection control (Needle stick injury, Hand hygiene, Universal and standard precautions) course on 3.10.2023 between 2.00 Pm and 4.00 pm on "**Infection control practices**" for PG students, I request you to give permission to conduct the programme at lecture hall I.

Thanking you

Yours sincerely

Prof. and HOD, Microbiology

Prof. T. THIRUNAVUKKARASU, M.D.,D.A.,  
Dean  
Velammal Medical College Hospital  
and Research Institute  
"Velammal Village"  
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### **Programme schedule**

Time	Topic	Speaker
2pm-2.10pm	Introduction	Dr.Rajendran
2.10pm-2.40pm	<b>Infection Control Basics</b>	Dr.A.Ramesh
2.45pm-3pm	Hand hygiene	Dr.G.Vithiya
3.00pm-3.10pm	Demo	Dr.M.Srividhya
3.10pm-3.20pm	NSI	Dr.Priya
3.20pm-3.30pm	<b>. Interactive Case Studies (10 minutes)</b>	Dr.M.Srividhya
3.30PM-3.40PM	<b>Practices and Guidelines Review</b>	Dr.Priya
3.40PM -4PM	Assessment	

### **Session report**

#### **Infection Control, Hand Hygiene, and Needle Stick Injury Session for Postgraduates**

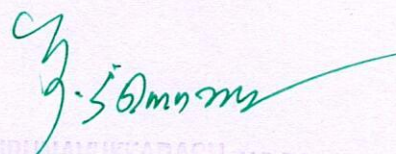
##### **Objectives:**

##### **1. Introduction (10 minutes)**

- Overview of the session objectives and importance.
- Relevance of infection control in postgraduate training and clinical practice.

##### **2. Infection Control Basics (30 minutes)**

- Definition and principles of infection control.

  
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- Types of healthcare-associated infections (HAIs) and their impact on patient and healthcare worker safety.

- Infection control guidelines (WHO, CDC, local protocols).
- Standard and transmission-based precautions (Contact, Droplet, Airborne).

### 3. Hand Hygiene (40 minutes)

- The importance of hand hygiene in preventing infections.
- WHO's 5 Moments for Hand Hygiene.
- Techniques for proper hand washing and hand rub.
- Challenges in adherence and strategies to improve compliance.
- Case studies on the impact of hand hygiene on infection rates.

### 4. Needle Stick Injury (30 minutes)

- Definition and types of needle-stick injuries.
- Potential risks and diseases transmitted via needle-stick injuries (HIV, Hepatitis B and C).
- Protocol for managing needle-stick injuries: Immediate actions, reporting, and post-exposure prophylaxis.
- Prevention strategies and safety devices.
- Legal and ethical considerations in reporting and managing needle-stick injuries.

### 5. Interactive Case Studies (30 minutes)

- Group discussions on real-life case scenarios:
  - Infection control breaches.
  - Hand hygiene lapses.
  - Needle-stick injury incidents.

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- Identification of errors and possible solutions.

### 6. Best Practices and Guidelines Review

- Reviewing best practices for infection control in healthcare settings.
- Current guidelines and protocols for postgraduates.
- Emphasizing the role of healthcare workers in maintaining patient and staff safety.

### 7. Q&A and Discussion (5 minutes)

- Open floor for questions.
- Discussion on specific challenges and experiences from postgraduate trainees.

### 8. Conclusion and Takeaways (10 minutes)

- Summary of key points discussed.
- Resources for further reading and improvement in infection control practices.

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## Post-Session Report

**Title: Postgraduate Session on Infection Control, Hand Hygiene, and Needle Stick Injuries**

Date: 3.10.2023

Facilitator: Dr.Rajendran

Duration: 2 hours

### Objectives:

- To equip postgraduates with essential knowledge and skills in infection control.
- To emphasize the importance of hand hygiene in healthcare settings.
- To provide a comprehensive understanding of needle-stick injuries and preventive measures.

### Summary of Key Topics Covered:

#### 1. Infection Control:

- Postgraduates were introduced to the fundamentals of infection control, including the role of standard precautions and transmission-based precautions.
- Discussions focused on strategies for minimizing healthcare-associated infections (HAIs).

#### 2. Hand Hygiene:

- Emphasis was placed on the WHO 5 Moments for Hand Hygiene and the critical role of hand hygiene in preventing cross-contamination.
- Practical techniques for hand washing and hand rubbing were demonstrated and discussed.
- Barriers to hand hygiene compliance were reviewed, alongside strategies to overcome these challenges.

#### 3. Needle Stick Injuries:

- The session outlined the risks and transmission pathways of needle-stick injuries, with particular focus on HIV, Hepatitis B, and Hepatitis C.

  
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- Practical steps for managing needle-stick injuries, including immediate actions, reporting protocols, and post-exposure prophylaxis, were covered.

#### **4. Interactive Case Studies:**

- Participants engaged in case study discussions, critically analyzing real-world scenarios of infection control lapses and learning from mistakes.

- The importance of consistent infection control protocols and safety measures was reinforced.

#### **5. Guidelines and Best Practices:**

- Postgraduates were reminded of the latest guidelines for infection control, with an emphasis on the importance of adhering to institutional and international recommendations.

#### **Feedback:**

- The session was well-received, with participants actively engaging in discussions and case study analyses.

- Postgraduates appreciated the opportunity to explore real-life scenarios and the practical aspects of infection control and needle-stick injury management.

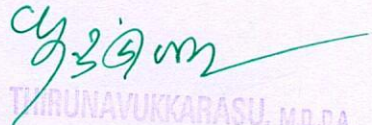
#### **Recommendations for Future Sessions:**

- More hands-on training on infection control practices, including mock drills on handling needle-stick injuries.

- Ongoing refresher courses on the latest infection control protocols.

#### **Conclusion:**

The session successfully provided postgraduates with valuable insights and practical knowledge necessary to minimize infection risks in clinical environments. Participants left with a deeper understanding of the importance of hand hygiene and the preventive measures against needle-stick injuries.

  
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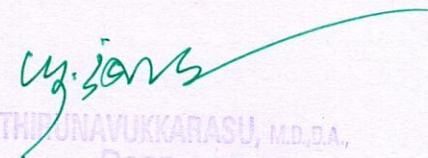
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## PATIENT SAFETY MEASURES

- Handrails are provide the staircase, Beds
- Stretchers are provided with safety belt
- Grab bars Provided at all Toilets
- Patient Call Bell Switch and indicator
- Stretcher with Side Rail
- Wheelchair with Safety Belt
- Prevent Needle Stick Injury Awareness
- PPE's
- Provide Proper Barricading and Signage for
- Excavation Work and Maintenance Work
- 24 x 7 Traffic controller at Our Hospital Entrance Near National Highway

  
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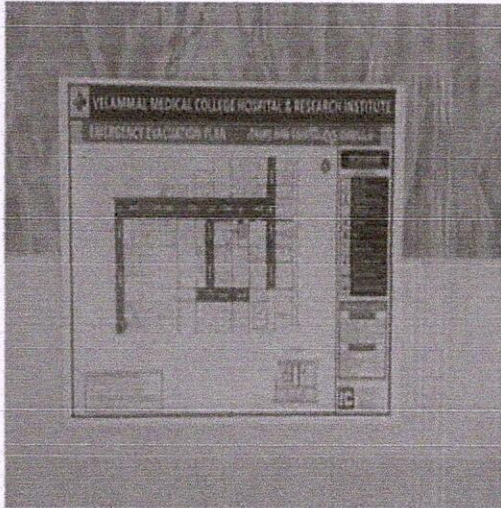


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Emergency Evacuation Board



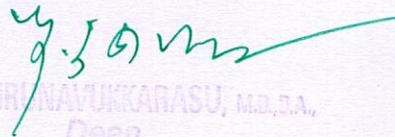
Fire Exit Boards



Work in Progress Board Displayed in During Maintenance Activity



Cleaning in Progress Board Displayed in During Floor Cleaning Activity

  
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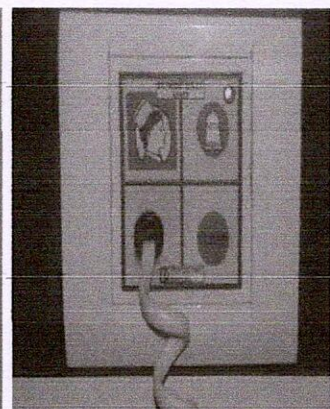
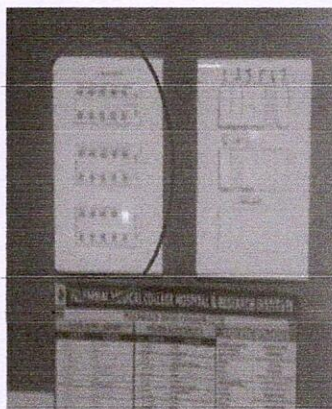
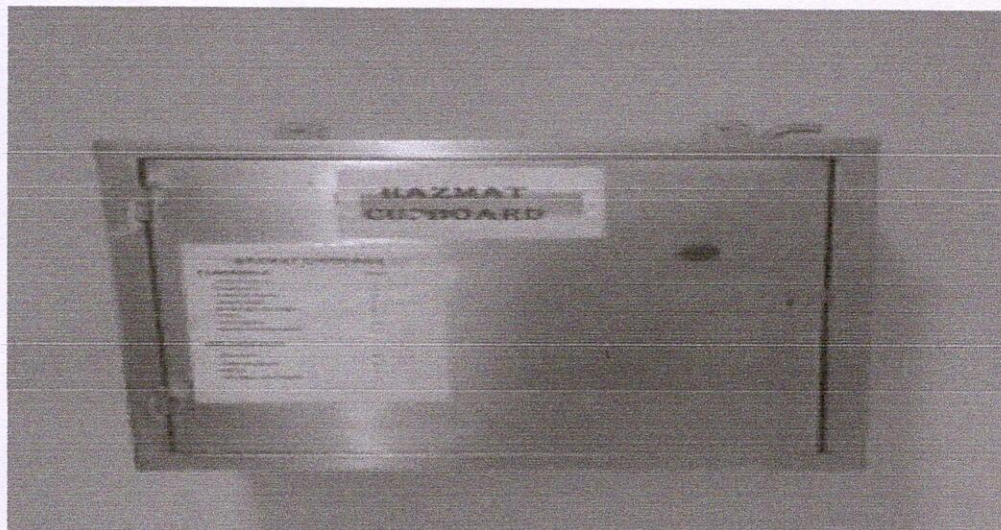


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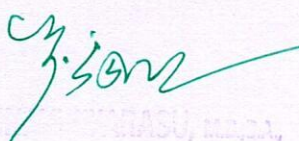
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