SAFETY PROGRAMME TO AVOID SKIN BURNS ASSOCIATED WITH TRANSDERMAL PATCHES

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OBJECTIVES

Background: Transdermal patches containing metallic components can overheat during Magnetic Resonance Imaging (MRI) or defibrillation procedures and can cause skin burns.

OBJECTIVE:
- To review presence of metallic components in commercialized transdermal patches and available recommendations.
- To update institutional safe practice guidelines accordingly.

METHODS

1. Review of SPCs of commericialized transdermal patches:

   ![Image of a pill bottle and a phone]

2. Contact manufacturers

3. Update of Institutional Safe Practice Guidelines

RESULTS

<table>
<thead>
<tr>
<th>METAL-CONTAINING PATCHES</th>
<th>METAL-FREE PATCHES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ACTIVE INGREDIENTS</strong></td>
<td><strong>ACTIVE INGREDIENTS</strong></td>
</tr>
<tr>
<td><strong>PHARMACOLOGICAL NAME</strong></td>
<td><strong>PHARMACOLOGICAL NAME</strong></td>
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<tr>
<td><strong>MEDICINE NAME</strong></td>
<td><strong>MEDICINE NAME</strong></td>
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<tr>
<td><strong>COMPANY</strong></td>
<td><strong>COMPANY</strong></td>
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<tr>
<td><strong>SOURCE OF INFORMATION</strong></td>
<td><strong>SOURCE OF INFORMATION</strong></td>
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- **Meprobamate**
- **Nitrofurantoin**
- **Lanosin®**

**CONCLUSIONS**

- Patients and healthcare professionals should be aware of the precautions regarding transdermal patches placement during MRI and defibrillation procedures.
- Information on any metallic components should be included in their SPCs.
- To include this information in our Institutional Safe Practice Guidelines was considered useful.