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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 commercialized transdermal patches:



2. Contact manufacturers



3. Update of Institutional Safe Practice Guidelines



RESULTS

METAL-CONTAINING PATCHES

ACTIVE INGREDIENTS	MEDICINE NAME	COMPANY	SOURCE OF INFORMATION
Buprenorphine	FELIBEN®	GEBRO PHARMA	Manufacturer
Estradiol	ESTRADERM MATRIX®	NOVARTIS FARMACEUTICA	Manufacturer
Fentanyl	FENTANILO ACTAVIS®	ACTAVIS SPAIN	SPC
	DUROGESIC MATRIX®	JANSSEN-CILAG	Manufacturer
	FENDIVIA®	FERRER INTERNACIONAL	Manufacturer
	FENTANILO MATRIX CINFA®	CINFA	Manufacturer
Nicotine	FENTANILO MATRIX MYLAN®	MYLAN PHARMACEUTICALS S.L.	Manufacturer
	NICORETTE CLEAR®	JOHNSON & JOHNSON	SPC
	NICOTINELL®	NOVARTIS CONSUMER HEALTH	SPC
Nitroglycerine	NICORETTE CLEAR®	JOHNSON & JOHNSON	SPC
	DERMATRANS®	CASEN RECORDATI S	SPC
	EPINITRIL®	ROTTAPHARM	SPC
Rivastigmine	NITRODERM TTS®	NOVARTIS FARMACEUTICA	SPC
	DEMELORA®	ARISTO PHARMA IBERIA	Manufacturer
Rotigotine	RIVASTIGMINA MYLAN®	MYLAN PHARMACEUTICALS	Manufacturer
	NEUPRO®	UCB PHARMA	SPC

METAL-FREE PATCHES

ACTIVE INGREDIENTS	MEDICINE NAME	COMPANY	SOURCE OF INFORMATION
Buprenorphine	CORDIPLAST®	UCB PHARMA	SPC
	MINITRAN®	MEDA PHARMA	SPC
	TRANSTEC®	GRÜNENTHAL PHARMA	Manufacturer
Estradiol	NITRODERM MATRIX®	NOVARTIS FARMACEUTICA	SPC
	ESTRADOT®	NOVARTIS FARMACEUTICA	Manufacturer
Estradiol and Estradiol/ Norethisterone	PROGYNOVA®	BAYER HISPANIA	Manufacturer
	NITROPLAST®	LACER	SPC
Estradiol/ Norethisterone	ESTALIS SEQUIDOT®	NOVARTIS FARMACEUTICA	Manufacturer
	ESTALIS®	NOVARTIS FARMACEUTICA	Manufacturer
Fentanyl	DIAFUSOR®	PIERRE FABRE IBERICA	Manufacturer
	FENTANILO MATRIX ACINO®	ARISTO PHARMA IBERIA	Manufacturer
	NITRO-DUR®	MSD	Manufacturer
	FENTANILO MATRIX KERN PHARMA®	KERN PHARMA	Manufacturer
	FENTANILO MATRIX NORMON®	NORMON	Manufacturer
	TRINIPATCH®	FERRER INTERNACIONAL	Manufacturer
	FENTANILO MATRIX RATIOPHARM®	RATIOPHARM	Manufacturer
FENTANILO MATRIX SANDOZ®	SANDOZ FARMACEUTICA	Manufacturer	
Oxybutynin	FENTANILO MATRIX STADA®	STADA	Manufacturer
	KENTERA®	GEBRO PHARMA	Manufacturer
Rivastigmine	EXELON®	NOVARTIS FARMACEUTICA	Manufacturer
	RIVASTIGMINA APOTEX®	APOTEX ESPAÑA	Manufacturer
Testosterone	RIVASTIGMINA KERN PHARMA®	KERN PHARMA	Manufacturer
	NIQUITIN CLEAR®	GLAXOSMITHKLINE	Manufacturer
Nicotine	TESTOPATCH®	PIERRE FABRE IBERICA	Manufacturer

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.

