







A rapid review of physical health risks associated with special procedures

(tattooing, body piercing, acupuncture, electrolysis)

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Background

Special procedures, as noted above, involve piercing the skin and carry a potential risk of infection and other health complications. This study provides an up-to-date evidence base on the main physical health risks associated with these procedures.

This has helped to reinforce the evidence base for the introduction and implementation of a mandatory licensing scheme for special procedures practitioners and businesses in Wales, scheduled to commence in 2024.

This is being introduced under Part 4 of The Public Health (Wales) Act 2017.

Method

Rapid Review of research published between 2015 and 2023.

Preliminary searches identified a large volume of existing systematic reviews in this field.

The review utilised overviews/maps of existing reviews.

Where there was no evidence, a review of new research was conducted.

Results

The study showed that complications and adverse effects that may be associated with Special Procedures include:



Tattooing

- bacterial, viral and blood-borne infections
- · allergic reactions
- · malignant and benign growths
- · sarcoidosis-related reactions
- · a range of other skin-related adverse reactions



Semi-permanent make-up

- · bacterial and viral infections
- · allergic reactions
- · sarcoidosis-related reactions
- · a range of other skin and eye-related adverse reactions



Body piercing

- · fungal, viral and bacterial infections
- · allergic reactions
- · malignant and benign growths
- · sarcoidosis-related reactions
- · other skin related adverse reactions
- · dental issues



Acupuncture

- ·infections
- · skin allergy reactions
- · other skin-related adverse reactions



Electrolysis

Cutaneous sarcoidosis was reported.

Further research is needed.

Research Implications

The Rapid Review has provided robust evidence to further endorse the requirements of <u>Part</u> 4 of the Public Health (Wales) Act 2017, to help to inform the development of the 5 sets of regulations currently in draft, and to support the development of accompanying nonstatutory guidance from the Welsh Government.

Future primary research should employ more robust designs to gather evidence about the

prevalence of such events.

causal links between special procedures and adverse physical health events as well as

More evidence is needed to identify physical health risks associated with electrolysis.