

## P2

### CASE REPORT: LICHENOID REACTION IN A RED TATTOO AND CONTACT ALLERGY TO ALUMINIUM

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**Aim:** To investigate the possibility of contact allergy as the cause of an adverse reaction in a red tattoo in a 21-years old female patient.

**Methods:** Epicutaneous patch testing, histological investigation and atomic absorption spectrometry (AAS).

**Results:** The histological investigation showed a lichenoid reaction consistent with a contact allergic reaction. When patch tested, the patient reacted exclusively to aluminium chloride hexahydrate but negatively to the tattoo colour. Analysis of the colour with AAS showed 1.23% aluminium.

**Conclusions:** Persistent itching subcutaneous nodules and aluminium contact allergy have been described after vaccination with vaccines containing aluminium but are considered rare. Vaccines might contain 0.1 % aluminium. It was concluded that the adverse reaction to the red tattoo colour could be caused by contact allergy to aluminium. According to several reports, aluminium is comparatively often present in tattoo inks.