

## **P1. CONTACT ALLERGIC DERMATITIS TO TATTOO-CONTAINED GOLD: A CASE REPORT**

**Antonella Tammaro<sup>1</sup>, Flavia Pigliacelli<sup>1</sup>, Gabriella De Marco<sup>1</sup>, Flavia Persechino<sup>2</sup>,  
Francesca Romana Parisella<sup>3</sup>, Severino Persechino<sup>1</sup>, Anthony A. Gaspari<sup>3</sup>**

<sup>1</sup>*Dermatology Department Sant'andrea Hospital, Rome, Italy*

<sup>2</sup>*University of Modena and Reggio Emilia, Modena, Italy*

<sup>3</sup>*University of Maryland, Baltimore, United States*

The art of tattooing has increasing in recent decades. Allergic sensitivity to one of the pigments is the most frequent cause of dermatological reactions at the site of the tattoo. Gold is a new pigment used in tattooing, because of its bright yellow color and luster. Allergy to this metal is uncommon. To our knowledge, this is the first reported case of allergic contact dermatitis to gold in a tattoo.

We describe a case of young woman with a 2 weeks history of an allergic dermatitis presenting with warmth, pruritus, erythema and scaling, arising on her left arm in the site of a coloured tattoo. These lesions developed 2 months after tattooing.

The patch test was performed using the standard North American series test and extended metal series.

Our patient showed positive patch test reactions to goldsodium thiosulfate 2% (+1), goldsodium thiosulfate 0.5% (+1) and Nickel (+1) at 48h. At 72 h she presented an increased sensibilisation with goldsodium thiosulfate 2% (+2), goldsodium thiosulfate 0.5% (+2) and Nickel (+1).

Treatment with systemic and topical corticosteroid therapy was instituted, with an improvement of the clinical lesions after 2 weeks.