

## 1

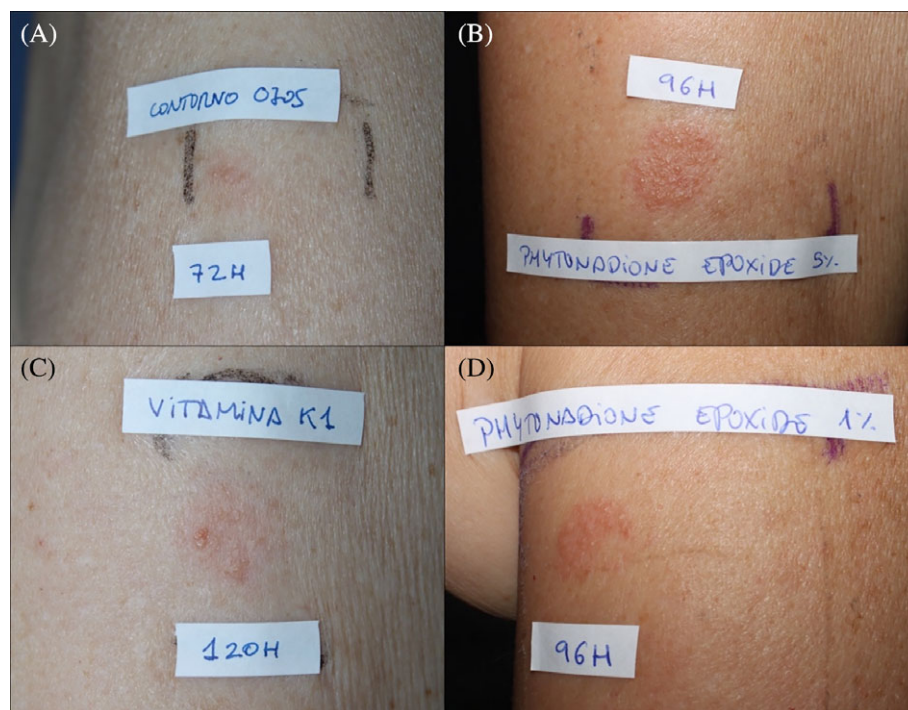


**FIGURE 1** Positive patch test reactions to Martiderm eye contour cream on day (D) 3 (A), Konakion aqueous solution 10 mg/mL on D5 (C), and phytonadione epoxide 5% (B) and 1% (D) pet. on D4

represents genuine cross-reactivity, representing the first case described with ACD episodes caused by the phytonadione and phytonadione epoxide contained in cosmetics, and confirming the possibility of such “crossed ACD”.

In conclusion, we report a case of cross-reaction between non-oxidized and oxidized vitamin K<sub>1</sub> forms. This suggests that patients sensitized to cosmetics containing the non-oxidized form before 2009 should also avoid cosmetics containing the oxidized form. The details of these cases are relevant to future decisions on legislation regarding cosmetics.

## CONFLICTS OF INTEREST

The authors declare no potential conflict of interests.

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