AN ADVANCED MATHEMATICAL MODELLING OF ATOPIC DERMATITIS

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In this talk, we give a motivation how we have to research atopic dermatitis based on mathematical model and its aspects. Based on R. Tanaka’s work who gives a well established mathematical model of atopic dermatitis at the first time, we show a developed mathematical model considering more key factors related with this disease such as Allergens, Itch-Scratch cycle, etc. The research goal in this area is to define dynamic systems or mechanisms of atopic dermatitis. We hope that our model helps people to predict how worse it will be and suggest each patient what type of treatment is good.

REFERENCES