

**Abstract N°: 5334****Correlation between The Infants' Dermatitis Quality of Life Index (IDQOL) for children aged 0-4 years and the severity of the disease assessed according to The Scoring Atopic Dermatitis Scale (SCORAD) in children with atopic dermatitis**Hien Lu¹, Nguyen Thi Hong Chuyen¹¹University of Medicine & Pharmacy HCMC (UMP), Viet Nam**Introduction & Objectives:**

Atopic dermatitis (AD) is an inflammatory, itchy, and chronic relapsing skin disease that occurs frequently in families with other allergic diseases. Due to its chronic impact on daily functioning, AD can significantly affect the quality of life (QoL) of children of all ages. In the world, studies are showing that the more severe the disease, the greater the impact on the decline in QoL of children with AD. In Vietnam, there have been no studies to determine the correlation between The Infants' Dermatitis Quality of Life Index (IDQOL) for children aged 0-4 years and the severity of the disease assessed according to The Scoring Atopic Dermatitis Scale (SCORAD) in children with atopic dermatitis.

This study aimed to determine the correlation between IDQOL for children aged 0-4 years and the severity of the disease assessed according to SCORAD in children with atopic dermatitis.

Materials & Methods:

A cross-sectional study on 284 children aged 0-4 years with atopic dermatitis at Children's Hospital 1, Children's Hospital 2, and City Children's Hospital from February 2023 to July 2023.

They fill out the data collection form based on recording general information, asking for medical history, clinical examination (severity classification according to SCORAD), explaining the IDQOL questionnaire, and encouraging detailed answers.

Results:

- Median IDQOL score was 7 (interquartile range 5-9).
- Our results showed a negative impact of atopic dermatitis on children's quality of life (59.9%), of which 10.9% had their quality of life seriously affected. Median SCORAD score was 35 (interquartile range 27.5-42).
- IDQOL and SCORAD scores showed a positive correlation ($r=0.6033$, $p<0.001$).

Conclusion:

There is a positive correlation between the severity of the disease and the quality of life of children with atopic dermatitis aged 0-4 years. IDQOL index and severity classification according to SCORAD are useful tools to contribute to a comprehensive assessment of children aged 0-4 years with atopic dermatitis.

