

**Abstract submission for:**

- Oral presentation only
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**Title of abstract:**

Management of Pediatric Vitiligo: Indonesian Case Series Experience of Multiple Modalities

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**Main body:****Background:**

Children with vitiligo experience stigma, bullying, and emotional distress not only for the patients but also their parents. The management of pediatric vitiligo requires a multiple approach and involves the use of various treatment modalities.

**Objective:**

This case series review aimed to evaluate the effectiveness of multi modalities including combination of topical corticosteroid and calcineurin inhibitor, oral mini pulse corticosteroid, and phototherapy in management of pediatric vitiligo in Indonesia.

**Methods:**

A retrospective review of medical records was conducted for eight pediatric patients with vitiligo who received treatment at Department of Dermatology, Dr. Suyoto Hospital, Jakarta Indonesia. The patients' demographic information, clinical characteristics, and treatment regimens were documented. Treatment modalities included topical mometasone furoate 0,1% cream, pimecrolimus 1% cream, oral mini pulse methyl prednisolone on two consecutive days every week for a period of three months, and narrow band ultraviolet (UV) B twice a week.

**Results:**

Among the eight patients, five were male and three were female. The mean age at diagnosis was 8,3 years. The duration of treatment ranged from 3 months to 1 year. Of the eight patients, six had involvement of the face and neck, and two had lesions on the trunk and extremities. All patients received topical corticosteroids and calcineurin inhibitors and four patients received additional oral mini pulse methyl prednisolone. Phototherapy with

narrow band UVB was used in all patients twice a week. All patients showed improvement in their vitiligo lesions without any significant side effects.

**Conclusion:**

This case series review highlights the importance of a multi modalities approach in management of pediatric vitiligo. The use of various treatment, including topical corticosteroids and calcineurin inhibitors, oral mini pulse corticosteroid, and phototherapy, can lead to significant improvement in the depigmentation of the skin. However, treatment outcomes can vary among patients, and a personalized approach to treatment is necessary.

**Keywords: pediatric vitiligo**