

## Conference Abstract

DAY 1 15<sup>th</sup> September 2023 (Friday)

ORAL 1

2.00-3.30 pm

Scientific Session 9

**Cheiloscopy: A comparative study of patterns and variations in thyroid disorders****Srishti Gupta, Hema N, Nanda K, Mamatha**

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**Background:** Cheiloscopy (Greek word: Cheilo-lips; skopien-to see) is the study of lip prints. Lip prints are the patterns or grooves along the vermilion border which are unique for each individual. Based on these patterns they are classified into 5 types as per the Y. Tsuchihashi and T. Suzuki classification. Thyroid disease is a clinically significant condition which affects both men and women with higher frequency in the latter. It has several manifestations major ones being the Graves disease and Hashimotos thyroiditis. Thyroid autoimmunity is a multifactorial condition involving HLA complex and CTLA 4 genes. This taken as a basis for co-relation between cheiloscopy and thyroid disorders might prove to be a turning point in the field of medicine.

**Aim:** In the present time several studies have been conducted to associate cheiloscopy to diabetes mellitus. Therefore, this is a case control study that aims to find and establish any relation between lip prints and thyroid disorders in a similar manner.

**Method:** Sample to be collected using glued scotch tape after application of lipstick on the voluntary subjects (both case and control) and preserved. Samples will then be used to study the pattern under magnifying glass and classify them based on Suzuki and Tsuchihashi classification.

**Results and Conclusion:** Samples were collected and differences were noted, the details of which will be discussed during presentation.