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Rosacea prevalence study according to gender and age of two northwest chinese cities: Lanzhou & Xining

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Background: There is a paucity of Rosacea epidemiological studies outside of Europe, where two prevalence studies have been published. This article found that Rosacea is in North West China at epidemic levels. The environmental characteristics of the cities studied are outlined. The increasing prevalence shown in the study, highlight these environmental characteristics, which should influence patient care and clinical knowledge in Rosacea.

Objective: The aim of our study was to evaluate the prevalence of Rosacea in Lanzhou and Xining, two neighboring cities of differing altitude in Northwest China.

Methods: The prevalence study was conducted via clinical examination of male and female participants in the following age groups: 5-17, 18-30, 31-50 and 51-70. Rosacea subtype was also determined as Erythematotelangiectatic Rosacea or Papulopustular Rosacea.

Results: The statistical analysis showed that the Rosacea Prevalence in Lanzhou was (33.8% ± 1.2). Papulopustular Rosacea in Xining was a notably higher reading of (47.7% ± 1.4). In both cities, the Erythematotelangiectatic Rosacea subtype predominated and marked increase in Papulopustular Rosacea amongst females.

Conclusion: Based on the results of Lanzhou and Xining study, there are an estimated 2.1 million people with Rosacea, from a total two city population of 5.4 million. Due to the high altitude and accompanying increased UV radiation, cold climate and reduced oxygen density, the greater northwest region of China is expected to experience high Papulopustular Rosacea rates.

Biography

Weidong Wen has completed his Ph.D at the age of 42 years from Lanzhou University and postdoctoral studies from Harvard University School of Medicine (BWH). He is the Director of Plastic Surgery (NW U). He has published more than 38 papers in reputed journals and serving as an editorial board member of Plastic and Reconstructive Surgery (PRS).

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