ABSTRACT BOOK ABSTRACTS



A new ERA for global Dermatology 10 - 15 JUNE 2019 MILAN, ITALY

ACNE, ROSACEA, AND RELATED DISORDERS (INCLUDING HIDRADENITIS SUPPURATIVA)

BACTERIAL PATTERN FROM PUSTULAR LESIONS OF ACNE VULGARIS PATIENTS IN DR. HASAN SADIKIN GENERAL HOSPITAL, BANDUNG, INDONESIA

Kartika Ruchiatan⁽¹⁾ - Yola Fadilla⁽¹⁾ - Nia Srie Haryati⁽¹⁾ - Reti Hindritiani⁽¹⁾

Faculty Of Medicine Universitas Padjadjaran, Dermatology And Venereology Department, Bandung, Indonesia⁽¹⁾

Introduction: Acne vulgaris (AV) is one of the most prevalent disorders in the dermatology field, making a significant psychological impact. Understanding the pathogenesis of AV involves many aspects including bacterial factors. Several studies demonstrated bacteria other than Propionibacterium acnes, may also play role in acne pathogenesis. There was still limited data of bacterial pattern from acne lesions in Indonesia.

Objective: To determine bacterial pattern from pustular lesions of AV patients in Dr. Hasan Sadikin General Hospital, Bandung, Indonesia.

Materials and methods: A descriptive observational study with cross-sectional design was conducted from January 2018 to February 2018. The subjects were 30 AV patients from Dermatology and Venereology out-patient Clinic. The samples were obtained from pustules, followed with visualization by Gram staining and cultured for aerobic and anaerobic bacteria, using blood agar and Mac-Conkey media. For the growing bacteria on cultures were identified using standardized automated microbial identification procedures.

Results: All of 30 subjects showed positive bacterial cultures, in a total of 53 isolates. The aerobic culture were positive in 26 subjects, whereas anaerobic culture in 27 subjects. Gram-positive aerobic bacteria isolated were Staphylococcus epidermidis (32.1%), Staphylococcus hominis spp hominis (7.5%), Staphylococcus capitis (1.9%), Staphylococcus auricularis (1.9%), and Staphylococcus lugdunensis (1.9%). Gram-negative aerobic bacteria were Citrobacter koseri (1.9%) and Pseudomonas aeruginosa (1.9%). Gram-positive anaerobic bacteria isolated were Propionibacterium acnes (45.3%), Actinomyces odontolyticus (1.9%), and Peptostreptococcus anaerobius (1.9%)

Conclusions: This study showed diversity of bacterial population residing from pustular lesions in AV patients of Dermatology and Venereology Department Dr. Hasan Sadikin General Hospital, Bandung, Indonesia were consisted of Gram-positive and -negative aerobic, and Gram-positive anaerobic bacteria. The predominant isolates were











A new ERA for global Dermatology 10 - 15 JUNE 2019 MILAN, ITALY

Propionibacterium acnes followed by Staphylococcus epidermidis.



24TH WORLD CONGRESS OF DERMATOLOGY MILAN 2019



International League of Dermatological Societies Skin Health for the World

