

World Dermatological Congress

September 18-20, 2017 SAN ANTONIO, TX, USA

<http://dermatology.cmesociety.com>

Dermatology Congress 2017

Bacterial skin infections

Luiz A B Pôrto

Federal University of Minas Gerais, Brazil

Introduction: Bacterial skin infections are very prevalent in clinical practice and have great variability of presentations, etiology and severity. They are usually characterized by the presence of signs of inflammation - erythema, edema, heat and local pain or hypersensitivity - associated or not with other manifestations, such as fever, ulceration, exulceration or blistering. Thus, prior recognition of severe, life-threatening conditions is very important for effective treatment.

Epidemiology: The incidence in the general population is 24.6 per 1000 person-years and prevalence rate in the hospitalized population ranges from 7% to 10%.

Etiology: Most cases of bacterial cutaneous infection are caused by beta-hemolytic streptococci or *Staphylococcus aureus*, but other bacteria also cause these infections. Direct examination of smear with Gram stain or culture of pus may be required to identify the etiologic agent. Clinical charts: the main kinds of bacterial skin infections are: Pyoderma; Folliculitis; Abscess and furunculosis; Erysipelas and cellulite; Necrotizing fasciitis. These types of infection have some specific characteristics, clinical outcome and treatments. There are topical and systemic antibiotic therapies. In some cases, it is necessary for surgery intervention and hospitalization.

Conclusion: It is important to identify the kind of the bacterial skin infection as soon as possible to treat adequately and avoid complications to the patient.

Biography

Luiz A B Pôrto is a Physician, graduated in the Faculty of Medicine from Federal University of Minas Gerais in Belo Horizonte. He has completed his Post-graduation in Medicine and Cosmetic Surgery from 2015 to 2016 in CEMEPE. He is working in the Dermatology Department of the institution IMEG in Belo Horizonte- Brazil. He has his expertise in evaluation and passion in improving the health and wellbeing. His open and contextual evaluation model based on responsive constructivists creates new pathways for improving healthcare. He has built this model after years of experience in public health and dermatology in hospital, clinical office and education institutions.

luizdermatologista@gmail.com

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