

*Case Report***Group B streptococcal infective endocarditis in a young non-pregnant female with rheumatic heart disease - A Case Report**

M Alles¹, K Jayatilleke¹, S Chandrasiri², S Pathirage², KVC Janaka¹,
J Herath¹, N Amarasena¹, D Wariyapola¹

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Abstract

Group B *Streptococcus* (GBS) is a rare cause of infective endocarditis in adults associated with a high mortality rate due to the frequent occurrence of local and systemic complications. Here we report a case of infective endocarditis (IE) in a young non-pregnant female with a history of rheumatic heart disease (RHD) who presented with a short history of fever, shortness of breath and constitutional symptoms. GBS was isolated from a single blood culture along with echocardiographic findings of a cardiac vegetation and ophthalmologic findings of a Roth spot. Based on the Modified Duke Criteria, a definitive diagnosis of infective endocarditis was made. She was treated with a prolonged course of intravenous (IV) ceftriaxone, with gentamicin being added to the regimen, following which she made a complete recovery.

Keywords: Group B Streptococcus, Infective endocarditis, Roth spot, Bacteraemia, Rheumatic heart disease

Introduction

GBS is a known colonizer of the female genital tract¹, with a potential to cause severe infection in newborns and pregnant women.² However, cases of invasive GBS infection among elderly adults are increasingly being reported.³ Endocarditis occurs in a proportion of them resulting in a high mortality rate⁴ due to frequent complications.⁵

Case report

A 32 year old female presented with a one day history of fever with chills, cough, headache and vomiting. Shortly after admission to hospital, she developed shortness of breath and visual blurring in her right eye. She had a history of RHD causing mitral stenosis, which was diagnosed

¹Sri Jayewardanepura General Hospital, Sri Lanka

²Asiri Medical Hospital:181, Kirula road, Narahenpita, Colombo 5

Address for correspondence: Dr. M. Alles, Sri Jayewardanepura General Hospital, Sri Lanka.

Telephone: +94774307125 Email: alles_mario@yahoo.co.uk  <https://orcid.org/0000-0003-3718-2146>

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