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An approach to rare cause of bacteremia in pediatric oncology**Dhruv Mamtora, Priti Mehta, Pallavi Bhalekar and Surekha Katakdhond**

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Bacteremia in pediatric oncology is associated with high morbidity and mortality. Its etiology is diverse and timely treatment can improve outcomes. Septicemia is one of the most common causes of death in pediatric age group where the febrile illnesses go unnoticed. Many times cultures are sent when there is fever and it does grow some of the rare organisms. It is clinician's dilemma as to understand whether appropriate antibiotic therapy needs to be administered or not. We describe a rare case report of *Roseomonas gilardii* bacteremia in pediatric oncology in a febrile, neutropenic patient on chemotherapy from oncology unit. The patient responded well to treatment given and was cured of it. Genus *Roseomonas* has been recently established and hence the clinical experience caused by the organism is limited. Though the organism has low pathogenic potential, some species may cause fatal illness in immune-compromised hosts like those with septicemia, bacteremia, leukemia, cancer chemotherapy and dialysis. The case reports of this organism causing bacteraemia are rare from Indian subcontinent. Potential clinical significance of pink pigmented, gram negative coccoid, oxidase – positive microorganisms should be known to clinicians, particularly when isolated from blood of patients with immune-compromised condition. Also important is case based discussion between oncologist and microbiologist and timely treatment based on antibiotic susceptibility.

Biography

Dhruv Mamtora has completed his MBBS in 2010 from Lokmanya Tilak Municipal Medical College, Mumbai. He also has completed his MD in Medical Microbiology from Government Medical College, Miraj, Maharashtra in year 2013. He has completed Diploma in Hospital Administration and is also certified infection control practitioner. He is currently Head of Microbiology and Infection control at S. L. Raheja Hospital, a 154 bedded multispecialty hospital and center of excellence for diabetes and oncology. He has published papers in journals and has been serving as editor and reviewer for journals. He has organized conferences on systemic approach on infection control in January 2018. He is also faculty for multiple conferences at regional, national and international level. He is also media subject expert on infection control, microbiology, antimicrobials and outbreaks. He is also heading few of projects of which some of importance is national survey on infection control, point of care testing devices in infection control and on antimicrobial stewardship programs.

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