

INFECTIOUS DISEASES

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Toxic shock syndrome due to *Streptococcus pyogenes* in an 80-year old post-knee arthroplasty patient: A case report

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Prosthetic joint infection (PJI) is one of the leading causes of arthroplasty failure. A high incidence of PJI follows *Staphylococcus aureus* and coagulase-negative staphylococci. On the other hand, *Streptococcus pyogenes* PJI is extremely rare, with only a very few case reports in the literature. Toxic shock syndrome resulting from *Streptococcus pyogenes* infection, however, has a reported mortality rate as high as 30 to 70 percent, hence early recognition of this potentially fatal infection is crucial to the successful management of patients. In this article, we report a case of an eighty-year old male who developed streptococcal toxic shock syndrome in association with a severe group-A streptococcal infection of the knee after a total knee arthroplasty done two years prior.

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