

3<sup>rd</sup> Euro-Global Experts Meeting on

# Medical Case Reports

June 30-July 02, 2016 Valencia, Spain

## Methicillin-resistant *Staphylococcus aureus*: Case report of acute sinusitis with orbital extension in a pregnant lady

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Recognized since 1960s, methicillin-resistant *Staphylococcus aureus* (MRSA) has increasingly been recognized as a cause of soft tissue infections. Previously believed to be transmitted solely via health care systems in immunocompromised hosts, it is now believed that different strains are responsible for spread of infection in immunocompetent individuals in community. This form is referred to as community acquired methicillin-resistant *Staphylococcus aureus* (CA-MRSA) which is mainly associated with soft tissue abscesses and cellulitis. Acute sinusitis due to MRSA can be one of the deadliest presentations of this infection as it can quickly lead to orbitocranial involvement with complications including blindness, brain abscess and death. Seriousness of MRSA infection increases manifold when the infection occurs in pregnant women. While still not known in developing countries, the prevalence of MRSA colonization in pregnant women in western world is stated to be 0.5-4%. Early suspicion of infection is the key to better prognosis. Appropriate antibiotics should be started without delay and early drainage of abscess, if any, should be the target. Delay in treatment, medical or surgical, may lead to serious consequences including death. We present here the case of a 34-year-old-lady who was 31 weeks' pregnant and presented with one day history of severe right sided headache. She was found to have acute sinusitis that involved right orbit in less than 24 hours of presentation. A diagnosis of sinusitis secondary to CA-MRSA was made. Promptly managed with intravenous antibiotics and drainage of maxillary sinus abscess, the patient made remarkably complete recovery without any complications.

### Biography

Shazma Khan has completed her MBBS from Liaquat University of Medical & Health Sciences in 2007 followed by Internship from 2008-2009. She is currently working as a Neurology Resident at Aga Khan University Hospital, Pakistan.

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