Post-streptococcal acute glomerulonephritis in a 7-year-old boy: Islamic perspective on the prevention of the disease

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Abstract

Acute glomerulonephritis is inflammation of the kidney mediated by an immunological process. Group A β-haemolytic streptococcal infection is common in children aged 5-12 years old and can lead to acute post-streptococcal glomerulonephritis which may develop after recovery from a streptococcal throat infection or skin infection (impetigo). 97% of cases occur in less developed country. The incidence has decreased in industrialized nations due to improved hygienic condition. A 7-year-old boy, the eldest child of 4 siblings from a divorced parent, was admitted to Hospital Tengku Ampuan Afzan Kuantan in March 2015 due to facial puffiness for 1 day duration. There was also dark colored urine. Patient had history of productive cough for 3 days and fever for 2 days. Father also complained of skin ulcer on patient’s right feet for about 1 month. There was hypertension (198/80 mmHg). Urine examination showed hematuria, proteinuria, and leucocyturia. Anti-streptolysin O titre was high (1:800) and complement C3 level was low (0.29). Patient was treated with antibiotic, diuretic, and anti-hypertension.

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<td>Covenant on the Rights of the Child in Islam, Adopted at the 32nd Islamic Conference of Foreign Minister, 28-30 June 2005</td>
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