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54
Recurrent urinary tract infections in children: Preventive interventions other than prophylactic antibiotics

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Abstract

Urinary tract Infection (UTI) is one of the most common childhood infections with many children suffering from at least one recurrence. Permanent renal cortical scarring may occur in affected children, especially in recurrent UTI and its long-term complications include hypertension and chronic renal failure that may result in end stage renal disease. Contrary to previous beliefs, acquired renal scarring correlates best with recurrent UTI rather than the presence of vesicoureteral reflux (VUR). In a bid to prevent long-term damage with recurrent UTI several interventions have been tried. The most established and accepted prevention of UTI recurrences at present is low dose long-term antibiotic prophylaxis. However it has a risk of break through infections, adverse drug reactions may also occur and there is also the risk of developing antibiotic resistance. The search is therefore on-going to find a safer, effective and acceptable alternative intervention to prevent UTI recurrences.

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