

# 12<sup>TH</sup> GLOBAL NEPHROLOGISTS ANNUAL MEETING

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### Recurrent urinary tract infections in adults in Latvia: 2014 observational study

Antimicrobial resistance is a growing problem worldwide. Urinary tract infection (UTI) is not an exception. Therefore, it is crucial to regularly update the bacterial flora spectrum data and the efficacy of the recommended empiric treatment to make timely and appropriate amendments wherever necessary. This observational study was conducted during July-November 2014, when family physicians across Latvia submitted the anonymous patient data on recurrent UTI treatment in their practice. Anonymous patients' electronic data files were received, 113 of those met the inclusion criteria and were further analyzed. Bacterial flora spectrum in Latvian adult recurrent UTI population was fairly consistent with data from other European countries, with *Escherichia coli* identified in 66 (58.41%) cultures, of those as monoculture in 55 (58.51%) and as combined culture in 11 (11.70%) cases. Combined cultures without *Escherichia coli* were obtained in 28 (29.79%) cases. Sensitivity against nitrofurantoin derivatives (NFDs) was present in 88 cases (91.49% of total cultures), *Escherichia coli* resistance against NFDs was found in only 4 cases (6.06% of *Escherichia coli* cultures). The current first-choice empiric treatment of recurrent UTI by NFDs may stay unchanged. Particular NFD used in Latvia (Furamags®) is safe, well-tolerated and effective first-line UTI treatment choice.

### Biography

Vladimirs Strazdins graduated from Riga Medical Institute in 1977 (now called Riga Stradins University). He served for two years as an Army Medical Officer and started to work in University Hospital for Children in Riga in 1983. In 1992, he was appointed as Head of Nephrology at the same hospital and held this position till 2009. He is a member of European Pediatric Dialysis Working Group under ESPN from 2004 till 2012, with published European Guidelines on Pediatric Dialysis. He is recently retired, but still working part-time in Hemodialysis Unit at MS Gailezers and provides second-opinion to the consulting patients. He currently focuses on antimicrobial resistance issues and its implications on urinary tract infections.

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