Overactive bladder—pathophysiology and management
A contemporary update

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This presentation will provide an overview on the management of lower urinary tract symptoms with reference to the various aspects outlined below:

- Lower Urinary Tract Symptoms/ OAB – an overview of terminology and current concepts
- Innervation of the Urinary Tract
- Neuroanatomy
- Central Mechanisms
  A review of current knowledge on neural control of the lower urinary tract
- Contemporary Peripheral Pharmacological Control Mechanisms
  Recognition of the afferent mechanisms with reference to the potential site of the antimuscarinic tolterodine on the afferent system
- The Evidence Base relating to the use of Contemporary Therapy
- Recent Meta-analyses
  The results of the International Consultation on Urological Disease Consultation 2008 looking at pharmacotherapy for OAB
- An update on the use of Tolterodine with particular emphasis on the safety of the drug.

Professor Christopher Chapple is a Consultant Urological Surgeon at Sheffield Teaching Hospitals and visiting professor at Sheffield Hallam University. He has a particular interest in Functional Reconstruction of the Lower Urinary Tract and the underlying Pharmacological Control Mechanisms. He is Past Director of the European School of Urology and an Adjunct Secretary General to the European Association of Urology.

Christopher Chapple trained at the Middlesex Hospital where he subsequently completed his doctorate thesis on Pharmacological Control Mechanisms in the Lower Urinary Tract. His sub-specialist training was at the Middlesex Hospital and Institute of Urology in London and he provides a tertiary service in lower urinary tract reconstructive surgery.

He is an active member of many international urological associations and societies including the British Association of Urological Surgeons, the European Association of Urology, the International Continence Society, the Royal Society of Medicine, The British Medical Association and the Association of Academic European Urologists and the American Association of Genitourinary Surgeons. He is editor of the journal Neurourology and Urodynamics. He also serves on the editorial board of several journals such as the British Journal of Urology, European Urology, Surgery and Current Opinion in Urology.

Professor Chapple has co-authored over 300 articles in peer-reviewed Journals and has written several books and a number of book chapters.