

URINARY RETENTION - WHEN THE BLADDER WON'T EMPTY

Webcast Outline

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Purpose

To acquaint participants with a common cause of incomplete bladder emptying, urinary retention. The presentation will review a variety of management strategies that may be used to assist the patient who is experiencing this bladder dysfunction. A review of micturition and causes of retention will be presented. Current best practices for treatment options will be discussed.

Behavioral Objectives:

By the end of the webcast, the participant will be able to:

1. Define acute and chronic urinary retention
2. Describe anatomy and physiology of the GU tract
3. Detail the pathophysiology of micturition.
4. Describe the identifying urinary characteristics caused by upper motor neuron and lower motor neuron injury.
5. Identify the pathophysiologic causes of neurogenic bladder and related voiding dysfunction that causes incomplete bladder emptying.
6. Distinguish the components of assessment for bladder dysfunction.
7. Describe current treatment for urinary retention.
8. Detail different catheters available for IC and the complications that can arise from their use.

Outline

- I. Defining Urinary Retention
 - o Acute
 - o Chronic
- II. Anatomy & Physiology of the GU Tract
 - o Kidney
 - o Bladder
 - o Urethra
 - o Pelvic Floor
- III. Mechanism of Micturition
- IV. Nervous Control of the Lower Urinary Tract
 - o Parasympathetic
 - o Sympathetic
 - o Neurotransmitters
- V. Types of neurogenic bladder
 - o Hyperreflexic or upper neuron
 - o Areflexic -diseases of the spinal cord
 - o Sensory and/or motor paralytic bladder
 - o Urethral obstruction

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IV. Assessment

- History
 - Urologic symptoms
 - Current medications
- Physical Examination
 - General. Abdomen, neurologic, genitalia
- Additional Studies
 - Urinalysis, PVR, Urodynamics, X-ray

VI. Treatment

- Timed voiding
- Voiding maneuvers

VII. Intermittent self-catheterization

- Indications
- Identification of appropriate catheters
 - Types
 - Straight versus Coude
 - Prelubricated catheters
- Complications

VIII. Drug Therapy

- Alpha blockers

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