

Job Class Profile: Urodynamics Technician**Pay Level: CG-32 Point Band: 704-717**

Factor	Knowledge	Interpersonal Skills	Physical Effort	Concentration	Complexity	Accountability & Decision Making	Impact	Development and Leadership	Environmental Working Conditions	Total Points
Rating	4	4	4	6	4	4	4	2	6	
Points	187	67	25	29	120	87	83	43	64	705

JOB SUMMARY

The Urodynamics Technician performs specialized investigative techniques using highly advanced urodynamic measuring equipment on patients with genito-urinary problems in order to study, record and assist the Physician in the diagnosis and treatment of urological disorders; and assists in day surgery with various urology procedures under the direction of an Urologist.

Key and Periodic Activities:

- Performs specialized investigative techniques using highly advanced urodynamic measuring equipment on patients with genito-urinary problems in order to study, record and assist the Physician in the diagnosis and treatment of urological disorders.
- Prepares patients for testing by explaining procedures; inserts catheter into bladder of patients to prepare for testing; and operates procedure by using asepsis technique.
- Irrigates urinary bladder and instills solutions or medications ordered by the Urologist; collects urinary specimens, swabs and cultures from genital area as prescribed; and applies dressings or other treatments as ordered by the Urologist.
- Sets up the necessary machines to measure and record the following procedures: urinary flow rates, cystometrograms, sphincter electromyography, pressure flow studies, urethral pressure profile, EMG of pelvic floor.
- Assists in day surgery with cystoscopies, vasectomies, other urology procedures and day surgery activities; assists the medical staff with urological research projects.
- Teaches the principles and practices of urodynamics to medical and nursing students, orientates Urology Technicians to the basic practices of urodynamics testing and instructs patients in their own care.
- Maintains records of all patients having dynamic studies and records procedures performed; prepares a written report on all studies or treatments given during each shift.
- Takes and records vital signs, weight and other pertinent information related to the patients condition during testing; reports any problem in patients condition on equipment to the Nursing Supervisor.
- Maintains an appointment system to receive patients by referral for urodynamics studies.
- Maintains the Urodynamic Laboratory, equipment and supplies in good working condition.

SKILL**Knowledge****General and Specific Knowledge:**

- Meditech system.

- Urological related testing equipment and procedures.
- Patient care, assessment and treatment.
- Licensed practical nursing and related policies, procedures, trends and developments.

Formal Education and/or Certification(s):

- Minimum: 2 year Diploma in Licensed Practical Nursing
- Licensure from the College of Licensed Practical Nurses of Newfoundland and Labrador
- Certified by Canadian Urological Association (recertification every three years)

Years of Experience:

- Minimum: 1 – 2 years of experience as Urology Technician and some operating room experience.

Competencies:

- Computer skills
- Calibrating equipment

Interpersonal Skills

- A range of interpersonal skills are utilized including listening to information from patients regarding medical history on conditions or disease related to urology issues; asking questions to gather additional related information; providing routine and complex information and direction to patients and families regarding urodynamics procedures, testing and care; providing care and comfort to patients and instructing/teaching patients, medical and nursing students and urology technicians regarding procedures and testing.
- Communication occurs with employees in the immediate work area, department and organization; supervisors, managers and patients.
- The most significant contacts would include patients, nursing and related professional staff to discuss patient issues related to urology care and Urologists to discuss test results or to seek advice regarding treatment or procedures.

EFFORT

Physical Effort

- Demands of the job typically do not result in fatigue, requiring periods of rest.
- Lifting and moving is required to assist patients from wheelchairs or stretchers onto the procedural table.
- Sitting is required for prolonged periods of time while performing urodynamic testing. Standing and walking are required to perform work duties.
- Manual and physical activities include fine finger or precision work to use highly advanced urodynamic measuring equipment, setting up necessary machines to measure and record procedures like urinary flow rates, cystometrograms, pressure flow studies, etc. which require controlled movement.

Concentration

- **Visual** concentration is required regarding the insertion of catheters; to operate testing equipment and to maintain eye contact with the monitor while performing testing.
- **Auditory** concentration is required to listen to equipment to ensure working properly and listen to Urologist when outlining diagnosis and treatment of urological disorders.
- **Other sensory demands** such as touch is required to insert catheter into bladder of patients.
- **Time pressures and deadlines** exist to have urodynamic tests and studies completed in order

<p>for the physician to conduct further investigations.</p> <ul style="list-style-type: none"> — Lack of control over work pace occurs when required to assist in day surgery or assisting medical staff with urological research projects. — Higher than normal levels of attentiveness or alertness for the health and safety of others is evident when irrigating urinary bladder and instilling solutions or medications ordered by the Urologist. — Eye/hand coordination is required to utilize various instruments for urodynamic procedures. — Exact results and precision is required regarding the insertion of catheters and setting up necessary machines to measure and record procedures.
Complexity
<ul style="list-style-type: none"> — Work tasks or activities are different but allow for the use of similar skills and knowledge. — Typical challenge would be performing specialized investigative techniques on genito-urinary problems in order to study, record and assist the Physician in the diagnosis and treatment of urological disorders. — References available to address typical challenges include treatment protocols, policies and standards of practice as well as co-workers and Urologists.

RESPONSIBILITY

Accountability and Decision-Making
<ul style="list-style-type: none"> — Work tasks and activities are mainly performed with considerable initiative and independence with work evaluated through reports and discussions with the Urologist. — Independent decisions can be made regarding the appointment system to receive patients for urodynamic studies. — Decisions requiring supervisory approval of the nurse manager would include any changes to policies or procedures; final decision from Physician on the diagnosis and treatment of urological disorders after consultation with the Urodynamics Technician. — Discretion is exercised regarding decisions made on the type of treatment for urology patients.
Impact
<ul style="list-style-type: none"> — Work tasks and activities are generally prescribed or controlled as urodynamic testing procedures have predetermined protocols. — Results of work tasks and activities are directly felt within the immediate work area, department, organization and on patients. After patient testing is complete in the urodynamic lab, the results are then discussed regarding diagnosis and treatment of urological disorders with the Urologist. — Results of work tasks and activities directly impact the testing equipment used which would have to be cleaned; material resources in terms of supplies used (also impacts finances); health and safety of the patients and corporate image since work was performed competently. — Consequences of mistakes or errors are felt within the immediate work area, department, organization and on the patients receiving care. The result of the consequence of mistakes or errors varies depending on the nature and seriousness of the consequence but could impact health and safety of patients; information provided to patients; equipment used; processes and systems; finances; material and human resources and corporate image. — Typical time frame required to identify and resolve consequences in the event of a mistake or error is within 24 hours. For example, if an error is made during catheterization the result could be damage to patient bladder or urethra.

Development and Leadership of Others

- There is no supervision of staff.
- Provides advice and guidance to patients and teaching/educating medical and nursing students on the principles and practices of urodynamics and orientating urology technicians to the basic practices of urodynamics testing.

WORKING CONDITIONS

Environmental Working Conditions

- Special precautions or safety equipment are required such as using sharp containers for needles; using cytotoxic containers when in contact with cytotoxic drugs; wearing protective gowns when in contact with infectious diseases and wearing eye goggles when flushing catheters. Standard infection control precautions.
- Limited likelihood of minor cuts, bruises, abrasions, minor illnesses, fractures, injury or occupational illness resulting in partial disability.
- Work involves exposure to toxic chemicals such as cytotoxic drugs; bodily fluids including urine and feces which may contain communicable disease; odours; and sharp objects such as needles.