

CHEMOTHERAPY/ TRANSFUSION AND PAIN MANAGEMENT UNIT

The thrust of the unit is to accept ambulatory patients stricken with cancer and its associated complications such as cancer pain and anemia of chronic disease. These patients can be given medications such as chemotherapy and analgesics for pain management and blood transfusions on an out-patient basis. This would greatly help minimize prolonged hospital stay and therefore lessen hospital bills and expenses of the patient.



WHAT ARE THE SERVICES OFFERED?

I. CANCER CHEMOTHERAPY

1. Curative Chemotherapy
 - Adjuvant
 - Primary medical (Neoadjuvant)
2. Palliative Chemotherapy
3. Chemopreventive
4. Radiosensitizer (Chemoradiation)
5. Supportive Treatment
 - Chemo and Radioprotector
 - Immunomodulator

Types of Chemotherapy

- Systemic - Intravenous, oral, intramuscular, topical
- Local - Pleurodesis, Intrathecal, Intraperitoneal

II. HEMATOLOGY

1. Blood Transfusion (Blood Irradiation)
2. Bone marrow aspiration and biopsy

III. PAIN MANAGEMENT

1. Covering pain control during the post-operative period providing the following facilities:
 - Patient-controlled analgesia
 - Continuous epidural anesthesia/analgesia
2. Cancer pain management with emphasis on prostatic cancer, renal cell cancer and other malignancies.
3. Chronic pain management of non-malignant origin.



FOR MORE INFORMATION

Please call:

Urology Unit at local 2144

Endoscopy Unit at local 2139

Chemotherapy/Transfusion and Pain Management Unit
at local 2140

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National Kidney and Transplant Institute



CENTER FOR SPECIAL SERVICES

UROLOGY UNIT

The flagship service of the Center is the Institute's Urology Unit, which currently features our Extra Corporeal Shock Wave Lithotripsy (ESWL) machine, which is the removal of stone without surgery. This is currently the treatment of choice for most cases of urinary stone disease.



WHAT ARE URINARY STONES?

Urinary stone disease is one of the most common disorders among Filipinos. These are developed from crystals that precipitate in urine. Usually these crystals are small and pass out from the body during urination. But if these crystals accumulate and form stones that are too large to pass out, these can obstruct the flow of urine and cause extreme pain. In these cases, treatment is required because the kidneys may be permanently damaged, requiring dialysis and may even lead to death.

HOW DOES LITHOTRIPSY WORK?

ESWL uses shock waves instead of knife to remove stones from the kidney and urinary tract. This procedure is performed by requiring the patient to lie down on top of a flexible balloon of fluid which contains a shock wave generator and an imaging device such as x-ray and/or ultrasound. The stone is located using the imaging device, centered and targeted. The patient will experience mild to moderate discomfort but he has an option to receive a pain reliever or put to sleep under light anesthesia. The

shock waves are activated with gradual and increasing power. The waves pass through the body's soft tissues and converge on the stone causing it to fragment. After an hour, the procedure ends and the patient is brought to the recovery room where he will be awakened in about an hour or two.



WHAT ARE THE ADVANTAGES OF LITHOTRIPSY?

The advantages of lithotripsy or stone removal without surgery over all the other surgical modalities of stone disease are that there is no scarring, there is quick recovery time and it is usually done as an out patient procedure. There will be usually no confinement and the patient can usually resume his normal activity within the day. It is safe and performed world-wide with excellent results. The procedure is done by a trained Urologist and Anesthesiologist who can anticipate and intervene for any possible problems.

URODYNAMICS

The Urology Department is proud to announce the availability of Menuet Compact DANTEC urodynamic machine. It is a state of the art machine that identifies functional disorders of the lower urinary tract and tests the bladder and urethral function during filling and voiding which serves as a guide in the management and monitoring of patient's progress of medical or surgical treatment. The study, consists Uroflowmetry, Filling and Voiding Cystometry and Sphincter Electromyography, can be done individually or as a whole depending on the needs of the patient and his clinician. It also complements the urologic studies of the lower urinary tract.

Patients who may need urodynamic studies are those with neurogenic bladder, urinary incontinence, unexplained urinary retention, men with borderline prostatism whose symptoms or tests are inconclusive indications for surgery and in children with voiding dysfunction, cord dysraphism, and multiple congenital anomalies associated with a high incidence of neurogenic bladder.

Our patient friendly urodynamic machine is wholly menu-driven with a dedicated keypad which allows accurate, fast and cost effective diagnostic modality.

ENDOSCOPY UNIT

The Institute's Endoscopy Unit is equipped with the state of the art Olympus video endoscopic instruments capable of full evaluation of the respiratory system and the gastrointestinal tract. Diseases of the lungs, esophagus, stomach, duodenum, biliary tract and colon can be visualized with great clarity by these new video endoscopes. Stones of the biliary tree can be crushed and removed without the need for surgery. With the new Endoscopy Unit, relatives and even the patient may be able to view the procedure through the video monitors. Videotaped copies of the procedure may even be provided for the patient's file.

WHAT ARE THE SERVICES OFFERED?

1. Bronchoscopy
2. Esophagogastroduodenoscopy (EGD)
3. Colonoscopy
4. Rigid and Flexible Proctosigmoidoscopy
5. Non - Surgical Control of Gastrointestinal Bleeding
6. Non - Surgical Removal of Gastrointestinal Polyp
7. Endoscopic Retrograde Cholangiopancreatography (ERCP)
8. Non - Surgical Biliary Bypass (Stent)
9. Non - Surgical Removal of Bile Duct Stones

