NAME: Nnamdi Ebere Mercy

MATRIC NUMBER: 16/MHS02/028

COURSE TITLE: ADVANCED MEDICAL SURGICAL NURSING 2

COURSE CODE: NSC 408

 Assignment

 1 .Nursing responsibilities for a patient scheduled for neoadjuvant therapy for the management of cancer

* Patient assessment
* Assess patients physical and emotional status
* Assess past health history and health practices
* Assess both the family and patients knowledge of the disease and the treatment
* Prior to administration of IV chemotherapy
* Confirm allergies, and evaluate any existing pre symptoms
* Verify signed consent for treatment that was signed by provider and patient
* Monitor laboratory values and laboratory values within acceptable range for dosing
* Take measures to prevent medication errors such as :
* Perform independent double check of original orders with a second chemotherapy nurse
* Double check for accuracy of treatment regimen, chemotherapy agent, dose, calculations of body surface area, schedule and route of administration
* Recalculate chemotherapy doses independently for accuracy
* Verify appropriate pre-medication and pre-hydration orders
* Ensure patient education completed and address outstanding patient questions
* Administration of IV chemotherapy
* Safe handling of hazardous medications; reduce exposure to self and others
* Intravenous line management : insertion, evaluation, and assessment
* Continuous patient monitoring for acute/adverse drug effects and allergic reactions
* Prompt recognition and management of hypersensitivity reactions
* Safe handling and management of chemotherapy spills
* . Patient Education on oral chemotherapy
* Keep cancer drugs in original packaging until used or placed within the daily pill box
* Do not mix chemotherapy medications with other medications in the pill box. They should always remain separate from other medication
* Perform hand hygiene before and after handling all medication
* Do not let the medication come in contact with household surfaces. If they do, clean surfaces thoroughly to remove all traces of the dog
* Store medications in a cool, dry place, away from excess heat or sunlight exposure
* When possible, the patient should handle their mediations themselves
* If anyone other than the patient comes in contact with the cancer pills, wash the affected area with soap and water immediately

2. Responsibilities towards a patient receiving radiotherapy

* Monitor for adverse effects; skin changes, such as blanching, erythema, desquamation, sloughing or hemorrhage; ulcerations of the mucous membrane; nausea and vomiting , diarrhea or gastrointestinal bleeding
* Assess lungs for rales, which may indicate interstitial exudate. Observe for any dyspnea or changes in respiratory pattern
* Identify and record any medications that the client will be taking during the radiation treatment
* Monitor white blood cells counts and platelet counts fir significant decreases
* Provide a non-stressful environment
* Minimize side effects
* Provide Education
* Wash the that is marked as the radiation site only with plain water, no soap; do not apply deodorant ,lotions, medications, perfume, talcum powder to the site during the treatment period
* Do not rub, scratch, or scrub treated skin areas. If necessary, use only an electric razor to shave the treated are
* Apply neither heat nor cold( e.g heating pad or ice pack) to the treatment site
* Inspect the skin for damage or serious changes, and report these to the radiologist or physician
* Wear loose , soft clothing over the treated area
* Protect skin from sun exposure during treatment and for at least 1 year after radiation therapy is discontinued. Cover skin with protective clothing during treatment; once radiation is discontinued, use sun blocking agents with a sun protection factor of at least 15
* Be sure to get plenty of rest and balanced diet

 3. Precautions for a patient receiving chemotherapy

* Flush toilet twice each time they are used. If possible , patients should use a separate toilet from others in the hospital, Advice patient to always wash hands with soap and water after using the toilet
* The nurse should wear gloves when handling the patients’ blood, urine, stool, or emesis. dispose of the gloves after each use and wash your hands
* After using any device for bodily waste, patient should thoroughly wash their hands and the device with soap and water. Dry the devices with paper towel and discard the towels
* Any sheets or clothes soiled with bodily fluids should be machine washed twice in hot water with regular laundry detergent. do not hand wash
* If the nurse should come in contact with bodily fluids, they should wash the area of exposure several times with soapy water
* Be sure that someone is with the patient , because more help may be needed at those times
* Watch for any sign or symptoms
* Contact the physician 8in charge if there is pain or redness where the IV site where the chemo was give