MUHIMBILI NATIONAL HOSPITAL

DEPARTMENT OF CLINICAL NURSING

PAEDIATRICS ONCOLOGY NURSING CERTIFICATION

SHORT COURSE

EXPECTATIONS, SCHEDULE, CURRICULUM AND

COMPETENCY CHECK-OFF

(The Log Book)

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| Week | Time | Timetable |
| 2-6 September  Monday-Friday  0800-1600  Preceptors:  Liz Danik  Alyssa Pena  Peter Vollmer (6/9) | 08:00 -- 09:00 | Monday:  Welcome, Introductions, Expectations, Class rules,  Pre-test  Tuesday-Friday:  Lecture: Review of:  - Patient Centered Care   * PEWS * Infection Control * Safe Practices   Begin Chemotherapy Education   * What is Cancer * Principles of Chemotherapy Treatment |
|  | 09:00 -- 12:00 | Clinical duties with Preceptor |
|  | 12:00 -- 12:30 | Lunch |
|  | 12:30 -- 15:00 | Clinical duties with Preceptor |
|  | 15:00 – 16.00 | Group Discussion |
|  | Skills  Check-off: | 1. Go over Competency Check-off list |
|  | SOP: | 1. Review Chemotherapy Administration SOP |
| 9-13 September  Monday-Friday  0800-1600  Preceptors:  Liz Danik  Alyssa Pena  Peter Vollmer | 08:00 -- 09:00 | Lecture:  Continue with Chemotherapy Education   * How Cytotoxic Medicines (CM) work * Methods of delivery * Side effects of CM * Safe handling during administration * Aseptic technique * Dealing with spills or exposure   Continue with preceptor at bedside:   * PEWS * Patient Centered Care * Building head to toe assessment skills     Begin Oncologic Emergencies |
|  | 09:00 -- 12:00 | Clinical duties with Preceptor |
|  | 12:00 -- 12:30 | Lunch |
|  | 12:30 -- 15:00 | Clinical duties with Preceptor |
|  | 15:00 –16:00 | Group Discussion |
|  | Skills  Check off:: | 1. Continue with Chemotherapy administration 2. PEWS (check off in different wards) |
|  | SOP: | 1. Review PEWS SOP |
| **16-20 September**  Monday-Friday  0800-1600  Preceptors:  Liz Danik  Alyssa Pena  Esther Lucero  Assisted by: Edna and Irene  Linda Abramovitz  (19-20- Leadership) | 08:00 -- 09:00 | Lecture:  Treatment Modalities  - Nursing role in each area of treatment  Procedures: LP and BM and the nurse’s role  Supportive Cares   * Blood Product Administration * Nutritional Support * Pain Management (Edna) * Peripheral and Central Lines   Continue with Oncologic Emergencies  Continue with Infection Control (Irene) |
|  | 9:00 – 12:00 | Clinical duties with Preceptor |
|  | 12:00 -- 12:30 | Lunch |
|  | 12:30 -- 15:00 | Clinical duties with Preceptor |
|  | 15:00 – 16:00 | Group Discussion |
|  | Skills  Check-off: | 1. Infusion Pump 2. Blood Product Administration 3. LP and BM assistance |
|  | SOP: | 1. Blood Product Administration |
| 23-27 Sept.  Monday-Friday  0800-1600  Preceptors:  Liz Danik  Alyssa Pena  Linda Abramovitz  Assisted by: Obadia  27/9: Rachel and team | 08:00 -- 09:00 | Lecture:  Hematologic Malignancies   * Leukemia * Lymphoma   Friday, 27 Sept: PAIRS with Rachel and Stan |
|  | 09:00 -- 12:00 | Clinical duties with Preceptor |
|  | 12:00 -- 12:30 | Lunch |
|  | 12:30 -- 15:00 | Clinical duties with Preceptor |
|  | 15:00 -- 16:00 | Group Discussion |
|  | Skills  Check-off: | 1. Patient care and competency check-off on 2 patients with leukemia and lymphoma diagnosis |
|  | SOP | 1. Management of TLS, and admission of oncology patient |
| **30 September-**  **11 October** | BREAK WEEK! | Assignments:   * Patient Case Study * BLS/Emergency check-offs with Rachel and team |
| **14-18 October**  Monday-Friday  0800-1600  Preceptors:  Liz Danik  Dr. Sue Lindermulder  Laura Dorneman | 08:00 -- 09:00 | Lecture:  Solid Tumors   * Wilms Tumor * Retinoblastoma * Osteosarcoma * Rhabdomyosarcoma * Etc. |
|  | 09:00 -- 12:00 | Clinical duties with Preceptor |
|  | 12:00 -- 12:30 | Lunch |
|  | 12:30 -- 15:00 | Clinical duties with Preceptor |
|  | 15:00 -- 16:00 | Group Discussion |
|  | Skills  Check-off: | 1. Patient care and competency check-off on 2 patients with solid tumor diagnosis |
|  | SOP: |  |
| **21-25 October**  Monday-Friday  0800-1600  Preceptors:  Liz Danik  Dr. Sue Lindermulder  Laura Dorneman | 08:00 -- 09:00 | Lecture:  Acute Side Effects  Late Effects of Treatment  Survivorship |
|  | 09:00 -- 12:00 | Clinical duties with Preceptor |
|  | 12:00 -- 12:30 | Lunch |
|  | 12:30 -- 15:00 | Clinical duties with Preceptor |
|  | 15:00 -- 16:00 | Group Discussion |
|  | Skills: | 1. Side effect management 2. Education regarding side effects |
|  | SOP: |  |
| **28 October -**  **1 November**  Monday-Friday  0800-1600  Preceptors:  Liz Danik  Alyssa Pena  Dr. Ronan Leahy | 08:00 -- 09:00 | Lecture:  Palliative Care  Psycho-Social challenges  Impairment of the Immune System  Infections, F&N, Sepsis  Use of supportive medications  Infection control/use of Isolation Rooms |
|  | 09:00 -- 12:00 | Clinical duties with Preceptor |
|  | 12:00 -- 12:30 | Lunch |
|  | 12:30 -- 15:00 | Clinical duties with Preceptor |
|  | 15:00 – 16.00 | Group Discussion |
|  | Skills  Check-off: | 1. Palliative Care 2. Patient Education |
|  | SOP: | 1. Review F&N SOP |
| **4-8 November**  Monday-Friday  0800-1600  Preceptors:  Liz Danik  Alyssa Pena  Colleen Nixon? | 08:00 -- 09:00 | Lecture:  Patient Education  Leadership and Moving beyond the course  Review of material  Last day:  - Post-test  - Feedback  - Course Certificates!! |
|  | 09:00 -- 12:00 | Clinical duties with Preceptor |
|  | 12:00 -- 12:30 | Lunch |
|  | 12:30 -- 15:00 | Clinical duties with Preceptor |
|  | 15:00 – 16.00 | Group Discussion |
|  | Skills  Check-off : | 1. Any final competencies/check-offs that are needed |
|  | SOP: | 1. Review all SOP’s from the course |

PAEDIATRIC HAEMATOLOGY/ONCOLOGY NURSE SHORT COURSE EXPECTATIONS OF NURSE PARTICIPANTS:

* You are required to attend all courses, Monday-Friday 0800-1600 for a total of 8 weeks.
* In the event of a schedule issue, an illness or any other event causing you to miss a day, it is your responsibility to discuss what was missed with a preceptor and obtain the missing information.
* Responsible for full care of patients assigned or care of patients in area allocated
* Discuss all relevant patient information with your preceptor.
* Full participation in case studies, group discussions and writing of SOP’s.
* Present at least one case study to the group (assignment can be completed on break)
* Participate in the reviewing and creating of various SOP’s throughout the course
* Complete all competency check-offs and log-book requirements by end of course.
* Complete all required tests, evaluations and feedback forms
* Show up each day ready to learn, share knowledge and be open to suggestions and ideas for improvements.
* Be a leader on the ward by maintaining a positive attitude, mentoring others and setting a good example in patient care, communication and teamwork.

**CLINICAL CURRICULUM PAEDIATRIC HAEMATOLOGY/ONCOLOGY**

**Below is a list of topics that will be covered during your short course certification program.**

**Introduction to the Course:**

* + - * Importance of Specialization in Peds Oncology Nursing
      * Expectations of the Course
      * Vision for the course
      * Pre-test for assessment/evaluation purposes

**Topic 1: Overview of pediatric oncology nursing**

* + - * General Info:

Childhood Cancer

Epidemiology of Childhood Cancer

* + - * Nursing Care: Worldwide and in Tanzania
      * Nursing Care at MNH

Patient Centered Care Nursing

* + - * PEWS Score

**Topic 2: Treatment Modalities for Childhood Cancer**

* + Managing a patient with cancer: 6 steps
  + Stabilize, Diagnosis, and Staging
    - Managing urgent issues
    - Blood work, Scans
    - LP, Bone Marrow Procedures
    - Biopsy
  + Chemotherapy
    - Classifications
    - Mode of Delivery
    - Side Effects and Special Considerations
    - Supportive Medications
    - Safe Handling/ Verifications
    - Vesicants
  + Surgery
  + Radiation
  + Complementary and Alternative Treatments

**Topic 3: Pediatric Cancers- Haematological Malignacies**

* + Leukemia
  + Lymphoma

**Topic 4: Pediatric Cancers- Solid Tumors**

* + Wilms Tumor
  + Retinoblastoma
  + Rhabdomyosarcoma
  + Bone Tumors
  + Hepatoblastoma
  + Brain Tumors
  + Germ Cell

**Topic 5: Oncological Emergencies**

* + Emergency Situations- BLS/PALS/PEWS
  + Cardiopulmonary/Respiratory Failure
  + Tumor Lysis Syndrome
  + Bone Marrow Failure
  + Fever/Neutropenia and Sepsis
  + Bleeding Emergencies
  + Abdominal Emergencies
  + Neurological
  + Anaphylaxis
  + Hyperkalaemia

**Topic 6: Side Effects of Treatment**

* + Management of:
    - Bone Marrow Suppression
    - Impairment of Immune System
    - CNS Complication
    - Ototoxicity
    - Endocrine
    - Cardiac and Pulmonary
    - Gastrointestinal
    - Renal and Bladder
    - Skin Changes
    - Musculoskeletal Complications
    - Poor Nutrition
    - Growth and Development
    - Pain

**Topic 7: Supportive Care**

* + Treatment of infections
  + Management of Fever/Neutropenia
  + Antiemetic Support
  + Pain Management
  + Blood Product Support and Reactions
  + Nutritional Support
  + Peripheral Line Care
  + Central Lines: PICC
  + PEWS Score

**Topic 8: Psychosocial issues/patient and family education**

* + Developmentally appropriate education of patient and family
  + Use of educational tools
  + Cultural Care
  + Family Resources

**Topic 9: Palliative Care/Late Effects of Childhood Cancer**

* + Palliative Care
  + Talking to child and family about diagnosis
  + Physical care of the terminally ill child
  + Psychosocial Care of the terminally ill child
  + Bereavement
  + Late Effects of Cancer Treatments

**Topic 10: Development as a Nurse Leader, Educator/Quality and Risk Management**

* + Patient Centered Care
  + Train the Trainer Course
  + Quality Improvement
  + Qualities of a strong leader and mentor
  + Being a leader on the ward: what that looks like