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 SeptemberMonday-Friday 0800-1600Preceptors: Liz DanikAlyssa Pena Peter Vollmer (6/9) | 08:00 -- 09:00 | Monday:Welcome, Introductions, Expectations, Class rules,Pre-testTuesday-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  |
|  | SkillsCheck-off: | 1. Go over Competency Check-off list
 |
|  | SOP: | 1. Review Chemotherapy Administration SOP
 |
| 9-13 SeptemberMonday-Friday0800-1600Preceptors:Liz DanikAlyssa PenaPeter 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  |
|  | SkillsCheck off::  | 1. Continue with Chemotherapy administration
2. PEWS (check off in different wards)
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|  | SOP: | 1. Review PEWS SOP
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| **16-20 September** Monday-Friday0800-1600Preceptors:Liz Danik Alyssa PenaEsther LuceroAssisted 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
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|  | SOP: | 1. Blood Product Administration
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| 23-27 Sept.Monday-Friday0800-1600Preceptors:Liz DanikAlyssa Pena Linda Abramovitz Assisted by: Obadia27/9: 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 |
|  | SkillsCheck-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
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| **30 September-****11 October**  | BREAK WEEK! | Assignments: * Patient Case Study
* BLS/Emergency check-offs with Rachel and team
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| **14-18 October**Monday-Friday0800-1600Preceptors:Liz Danik Dr. Sue LindermulderLaura 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-Friday0800-1600Preceptors:Liz DanikDr. Sue LindermulderLaura Dorneman  | 08:00 -- 09:00 | Lecture:Acute Side EffectsLate Effects of TreatmentSurvivorship |
|  | 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
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|  | SOP: |  |
| **28 October -** **1 November** Monday-Friday0800-1600Preceptors:Liz DanikAlyssa Pena Dr. Ronan Leahy | 08:00 -- 09:00 | Lecture: Palliative Care Psycho-Social challengesImpairment of the Immune SystemInfections, F&N, SepsisUse of supportive medicationsInfection 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  |
|  | SkillsCheck-off: | 1. Palliative Care
2. Patient Education
 |
|  | SOP:  | 1. Review F&N SOP
 |
| **4-8 November** Monday-Friday0800-1600Preceptors:Liz DanikAlyssa Pena Colleen Nixon? | 08:00 -- 09:00 | Lecture: Patient EducationLeadership and Moving beyond the courseReview 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  |
|  | SkillsCheck-off : | 1. Any final competencies/check-offs that are needed
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|  | SOP:  | 1. Review all SOP’s from the course
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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