**Oncology Rotation outline**

**Pharm.D Programme 2017**

**Description of Rotation:**

A focused look at chemotherapy/oncology/hematology patients and their special needs, treatment involving chemotherapy, managing side-effect of therapy, palliative care needs.

**Site Description:**

Augusta victoria hospital has around 25 inpatients beds covered by the oncology / hematology services.

The hospital also provides an out patients services.

**Goals of Rotation:**

1. Facilitate student learning and thinking of the patients needs.

2. Understand the patient health care needs.

3. Utilization of evidence based medicine.

4. Enhance and reinforce didactic course work.

5. Develop interpersonal communication skills.

6. Develop counseling skills relevant to oncology patients.

7. Understand chemotherapy regimens and there timing.

8. Practice palliative care

9. Describe preventative measures that are relevant to cancer patient

**Learning Objectives:**

**Upon completion of this rotation the student should be able to:**

1. Describe the symptomatology, physical findings, pathophysiology, diagnostic procedures, laboratory tests, primary and alternative pharmacotherapies, and non pharmacological treatments for disease states encountered during the rotation.

2. Provide recommendations for medication dose adjustments based upon pharmacokinetic and pharmacodynamic principles.

3. Provide appropriate monitoring parameters for the chosen treatment plan (including efficacy, toxicity, side effects, and potential drug interactions).

4. Effectively communicate the drug treatment plan to the patient with appropriate precautions and expectations.

5. Evaluate patient medication adherence and strategies for improving adherence.

6. Discuss the benefits and limitations of alternative medicine (i.e. herbal therapy).

7. Document all appropriate recommendations and interventions.

8. Understand the role of palliative care in this patient population

9) understand the principles of chemotherapy preparations

**Activities:**

1. Morning rounds
2. Calculation of (ANC ,Cr Cl , IBD, BSA)
3. Interpretation of Lab results
4. Follow up –monitoring
5. Topic presentation
6. Hospital staff education (nurses ,doctors)
7. Home works / assignments
8. Oral evaluation / quizzes/ final exam >>>25%
9. Group discussion
10. Required Readings

**Disease States Encountered:**

1.bone cancer 2. Breast Cancer 3. Colon Cancer 4. Lung Cancer 5. Lymphomas 6. Prostate Cancer 7. Ovarian 8.Testicular 9. Bladder 10. Melanoma 11. Leukemia 12. Neuroblastoma 13. Head and Neck Cancers

**Recommended Guidelines & Referrences:** [www.nccn.org](http://www.nccn.org) national comprehensive cancer network

The American society of clinical oncology

Pharmacotherapy principles and practice 4th edition

ACCP for oncology 2016

Drug information handbook for oncology 2015

Slected hand outs provided by the preceptor