

# DEPARTMENT OF MEDICAL ONCOLOGY

## Introduction

Medical Oncology department is prime faculty of any cancer Hospital. All most all the malignancy diseases have to go through this department during the treatment management process solely or in conjunction with Onco Surgery, Radiation Oncology & other Faculties

It basically deals with Chemotherapy & Medical management related to Cancer diseases. It also deals with Oncology Emergencies, as well as General Medical, Medical Emergencies & ICU care management and proper Holistic Counseling for the patients & to their kins.

This faculty develops new, Pragmatic, better & effective Chemotherapy protocols for all types of Malignancies. Till date we have 37 Inpatient bedded ward including 12 bedded dedicated Hemato Oncology ward and 24 bedded Day care Centre. We have also Hospice Centre for Palliative & Supportive Care management for terminally ill cancer patients.



## Our Faculty has three units.

- Unit I & Unit II Medical Oncology
- Paediatric Oncology

## Services available

- Daily Two shift OPD Services (Sun-Fri), all 3 Units
- Cancer Inpatient Services
- Endoscopy Services
- Counseling
- Free medicine supply-
  - 1) Gleevec for CML, ALL and GIST patients
  - 2) Sutent (Sunitinib Malate)- for Metastatic RCC and Gleevec resistant GIST
  - 3) Free medicine supply for diferent types of cancer patients.
- Cancer Day care Services
- Oncology & medical Procedures

We provide Targeted therapy drug Imatinib Mesylate ( Gleevec ) to Philadelphia Chromosome positive Chronic Myeloid Leukemia ( CML ) & Acute Lymphoblastic Leukemia ( ALL ) and CD 117 positive Gastrointestinal Stromal Tumor ( GIST ) with Curative Intention. At present we provide lifelong free of cost this noble & expensive medicine to 358 CML, 5 ALL & 28 GIST patients with generous donation from Max Foundation USA. We also provide lifelong free supply of Targeted therapy drug Sunitinib Malate (Sutent) for treatment of Metastatic Renal Cell Carcinoma ( MRCC ) & Gleevec resistant GIST with

generous help from Axios Health Care Development, USA. At present we have **59 patients of MRCC & 3 patients of GIST** receiving lifelong this noble & very expensive medicine. Occasionally we receive plenty of cancer Drugs as a generous gift from abroad including China.

### Cancer Patients flow in 2010

Total admissions were **2419** in the **Medical Oncology** ward for Cancer treatment which constitutes **44.45%** of total Hospital admission. We received total **19733** Cases in **Out Patient Department** which constitutes **23.47%** of total Hospital OPD cases. Total **3545** Cases received **Chemotherapy** & **1464** cases underwent **medical procedures** in **Day Care Centre** which constitutes **77.39%** of total **Day Care Center** Service.

### Future Plan

We plan to Expand our Hemato-Oncology & Paediatric Oncology ward. We want to create dedicated Hemato Oncology unit in future. We look forward to add Bone Marrow Transplantation service in our Hospital which will be first of its kind in Nepal.

### Medical Oncology OPD Patient in 2010

Month	New			Follow-up			Total		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
January	145	138	283	442	673	1115	587	811	1398
February	144	117	261	449	587	1036	593	704	1297
March	146	144	290	555	731	1286	701	875	1576
April	124	116	240	525	687	1212	649	803	1452
May	71	79	150	309	401	710	380	480	860
June	168	179	347	528	694	1222	696	873	1569
July	157	180	337	592	734	1326	749	914	1663
August	265	266	531	762	890	1652	1027	1156	2183
September	230	212	442	750	886	1636	980	1098	2078
October	175	182	357	619	762	1381	794	944	1738
November	187	237	424	658	854	1512	845	1091	1936
December	218	181	399	665	919	1584	883	1100	1983
<b>Total</b>	<b>2030</b>	<b>2031</b>	<b>4061</b>	<b>6854</b>	<b>8818</b>	<b>15672</b>	<b>8884</b>	<b>10849</b>	<b>19733</b>

### Medical Oncology Department inpatients in 2010

Month	Male	Female	Total
Jan	79	134	213
Feb	79	93	172
Mar	88	116	204
Apr	79	108	187
May	78	90	168
Jun	96	117	213
Jul	100	127	227

Month	Male	Female	Total
Aug	99	143	242
Sep	93	140	233
Oct	81	115	196
Nov	72	97	169
Dec	86	109	195
<b>Total</b>	<b>1030</b>	<b>1389</b>	<b>2419</b>

### Medical Oncology Day care Chemotherapy service in 2010

Month	Male	Female	Total
January	98	206	304
February	70	155	225
March	77	170	247
April	69	156	225
May	35	74	109
June	61	163	224

Month	Male	Female	Total
July	68	201	269
August	96	212	308
September	99	235	334
October	135	255	390
November	135	267	402
December	204	304	508
<b>Total</b>	<b>1147</b>	<b>2398</b>	<b>3545</b>

### Academic Activities

Our Department is actively involved in academic & training activities. MD Internal Medicine Postgraduate residents from National Academy of Medical Science ( NAMS ) come here for rotation intensive Medical Oncology Training. Our faculties are also engaged in teaching, training of Intern MBBS Doctors from various Medical College Hospitals; BN & BSC Nursing students, Health Assistant (HA) students & PCL Nursing students from various Nursing & Paramedical colleges.

We held regular Topic presentations, CME programmes & joint multi disciplinary Clinical Discussions. In past our faculties & Medical Officers have also conducted many free health camps and Cancer awareness programmes in remote villages & hills including Chepang hill tracts of Chitwan District as well as in many remote places of Nepal.

Our faculties have actively participated in National & International Cancer Conferences & Symposiums. Two of our faculty members have successfully completed fellowship training On Medical / Paediatric Oncology from prime Cancer Centers abroad.

### Human Resources

- Unit I & II of Department of Medical Oncology Have 2 Consultants, 1 Jr. Consultant, 1 Registrar, 1 Chinese Hemato Oncologist and four Medical Officers.
- Paediatric Oncology unit has 1 Registrar & 2 Medical Officers.

