

THASTRO ANNUAL SURVEY 2018-2019

INSTITUTE	TOTAL
MANPOWER (Data in June 30, 2019)	
Number of radiation oncologists - fulltime	142
Number of radiation oncologists - parttime	37
Number of medical physicists - fulltime	137
Number of medical physicists - parttime	13
Number of radiotherapy technologists - fulltime	316
Number of radiotherapy technologists - parttime	9
Number of dosimetrists - fulltime	0
Number of dosimetrists - parttime	0
Number of registered nurses - fulltime	189
Number of registered nurses - parttime	11
Number of practical nurses - fulltime	59
Number of practical nurses - parttime	0
EQUIPMENTS (Data in June 30, 2019)	
Low-energy X ray	3
Cobalt-60	7
Linear accelerator	69
Gamma Knife	0
Robotic radiosurgery	2
Helical radiotherapy (tomotherapy)	5
Treatment planning system (system)	74
Treatment planning system (workstation)	254
Conventional simulator	27
CT simulator	33
MRI simulator	6
Cone beam CT	40
MV CT	6
Brachytherapy manual after loading unit	0
Brachytherapy remote after loading unit LDR	1
Brachytherapy remote after loading unit MDR	0
Brachytherapy remote after loading unit HDR	31
Intravascular brachytherapy system	0
Other	4
PATIENTS	
Number of patients consulted per year	>46125
Number of treated with radiotherapy per year - new cases	40523
Number of treated with radiotherapy per year - old cases	>7091
RADIOTHERAPY SERVICES (Data from January-December 2018)	
TELEHERAPY number of patients	
Leukaemia	151
Lymphoma Hodgkin	255
Lymphoma Non-Hodgkin	994
Eye	55
Breast	11100
Lung/thorax tumours	5160
Esophagus	1123
Cervix	4639
Uterus	1363
Ovary	109
Other gynaecological tumours	406
Nasopharynx	1585
Head/neck tumours Non-Nasopharynx	5917
Brain (primary only)	1294
Skin	437
Bladder	366
Prostate	1610
Kidney	163
Testis	42
Other urological tumours	176
Colon and rectum	3989
Other digestive tumours (stomach, liver)	1438
Bone and soft tissue tumours (primary only)	853
Paediatric brain tumours	197
Paediatric lymphoma & leukemia	72
Paediatric Neuroblastoma	18
Paediatric Rhabdomyosarcoma	31
Paediatric Wilm's tumour	18
Other paediatric tumours	58
Benign diseases	776
Unknown primary tumours	791
Other	926
TOTAL	46437
Brain metastasis	>2763
Bone metastasis	>3561
BRACHYTHERAPY number of patients (number of insertions)	
Head/neck	4(26)
Eye	12(12)
Skin	1(1)
Brain	0
Lung	0
Colorectal	2(6)
Other GI (e.g. liquid brachytherapy for liver metastases)	0
Breast	0
Gynaecological tumours 5128	5128(>16073)
Prostate	43(70)
Intravascular brachytherapy	0
Other	5(9)
TOTAL	5195(>16197)
SPECIAL TECHNIQUES number of patients	
Intraoperative radiation therapy	32
Total body irradiation	13
Total lymphoid irradiation	0
Stereotactic intracranial irradiation	534
Stereotactic extracranial irradiation	278
Intensity-modulated radiation therapy (IMRT)	9157
Image-guided radiation therapy (IGRT)	22532

1 จำนวนการในเคส พย.-ศก. 2018 เริ่มจากเคสคิด in-room CT scan

2 รวมผู้ป่วยของโรงพยาบาลขนาดใหญ่ด้วย

3 1 เคสเครื่องมือที่โรงพยาบาลพุทธชินราช พิษณุโลก

4 เริ่มให้บริการ กรกฎาคม 2018, สถิติการให้บริการรวมอยู่ที่ของโรงพยาบาลสงขลานครินทร์ สงขลา

5 เริ่มให้บริการ มกราคม 2019