

THASTRO ANNUAL SURVEY 2016-2017

INSTITUTE	จำนวน
MANPOWER	
Number of radiation oncologists (fulltime)	128
Number of radiation oncologists (parttime)	45
Number of medical physicists (fulltime)	118
Number of medical physicists (parttime)	9
Number of radiotherapy technicians (fulltime)	289
Number of radiotherapy technicians (parttime)	8
Number of registered nurses (fulltime)	197
Number of practical nurses (fulltime)	62
Number of nurses (parttime)	7
EQUIPMENTS	
Low-energy X ray	3
Co-60	10
Linear accelerator low energy without electron	5
Linear accelerator low energy with electron	5
Linear accelerator high energy	8
Linear accelerator high energy with IMRT	37
Linear accelerator high energy with SRS/SRT	19
Gamma Knife	0
Treatment planning system (system)	79
Treatment planning system (workstation)	251
Conventional simulator	28
CT simulator	30
Brachytherapy manual after loading unit	0
Brachytherapy remote after loading unit LDR	2
Brachytherapy remote after loading unit MDR	0
Brachytherapy remote after loading unit HDR	30
Intravascular brachytherapy system	0
Other	10
PATIENTS	
Number of patients consulted per year	39500
Number of treated with radiotherapy per year - new cases	35536
Number of treated with radiotherapy per year - old cases	6488
RADIOTHERAPY SERVICES	
TELEOTHERAPY	
Leukaemia	123
Lymphoma Hodgkin	259
Lymphoma Non-Hodgkin	610
Breast	9169
Lung/thorax tumours	4249
Cervix	4130
Uterus	1047
Ovary	120
Other gynaecological tumours	438
Head/neck tumours Nasopharynx	1581
Head/neck tumours Non-Nasopharynx	5164
Brain	1422
Skin	412
Bladder	325
Prostate	1208
Testis	39
Other urological tumours	232
Colon and rectum	3248
Other digestive tumours	1719
Paediatric brain tumours	111
Paediatric lymphoma & leukemia	55
Paediatric Neuroblastoma	20
Paediatric Rhabdomyosarcoma	12
Paediatric Wilm's tumour	11
Other paediatric tumours	71
Bone and soft tissue tumours	974
Benign diseases	473
Unknown primary tumours	861
Other	1857
TOTAL	39940
BRACHYOTHERAPY	
Head/neck	44
Breast	36
Gynaecological tumours	15437
Prostate	64
Intravascular brachytherapy	0
Other	28
TOTAL	14936
SPECIAL TECHNIQUES	
Intraoperative radiation therapy	50
Total body irradiation	25
Total lymphoid irradiation	0
Stereotactic intracranial irradiation	409
Stereotactic extracranial irradiation	139
Intensity-modulated radiation therapy (IMRT)	5974
Image-guided radiation therapy (IGRT)	13692

¹ data in June 2017

² data of patients from January-December 2016

³ number of patients

⁴ number of insertions

⁵ included patients from Uttaradit Hospital

⁶ patients in 2016 treated at Udonthani Cancer Hospital

⁷ service from Oct 2017

⁸ service from Dec 22 2016