

The 1st FARO Council Meeting

May 30, 2015

**Kyoto International conference
center, Japan**

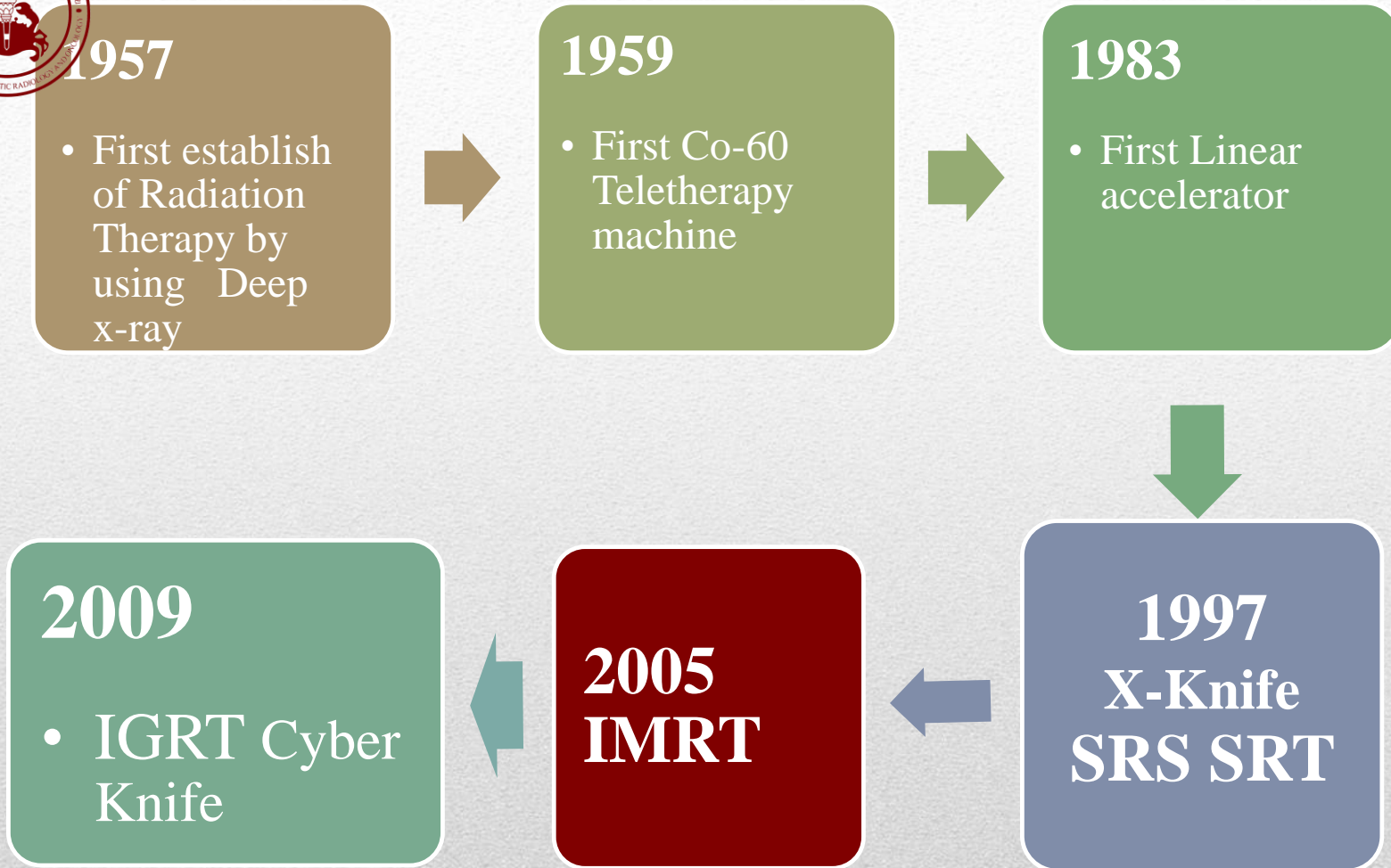


Thai Association of Therapeutic Radiology and Oncology (THASTRO)

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Thailand

www.thastro.org

Organization

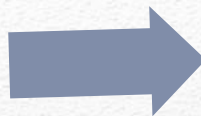


Radiotherapy in Thailand



1986

- Thai Society of Radiation Therapy



2002

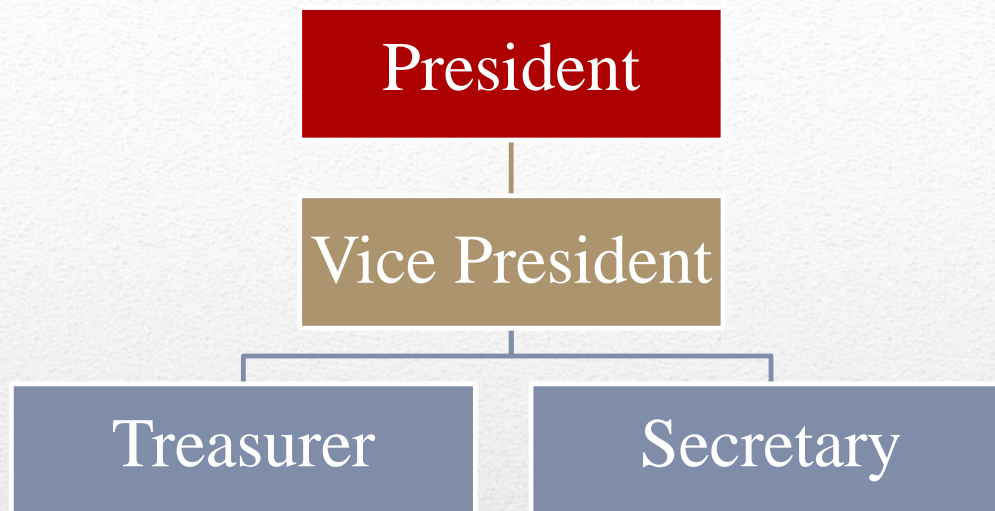
Thai Society of
Therapeutic Radiology
and Oncology
(THASTRO)



2015

Thai Association of
Therapeutic Radiology and
Oncology

Status of the National Society



- Registrar
- Educational and training
- Research
- Reception
- Publication
- International Relation
- Central committee

THASTRO Organization

2 year term



1. Enhance in Education, Knowledge, Research in the field of Radiation Oncology
2. Distribute the knowledge, know-how to the members, medical staff and associate staff include general populations.
3. Form unity among the Radiation Oncologists
4. Representative of Thai Radiation Oncologists
5. Promote new medical staff interested in Radiation Oncology

THASTRO: Objectives



- Thai Medical Council

- The Royal College of Radiologist of Thailand (RCRT)
- Thai Board of Radiology Committees

- Thai Board of Radiation Oncology Subcommittee

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Training Program



1972

- Thai Board of Radiotherapy and Nuclear Medicine

Since
1985

- Thai Board of Therapeutic Radiology and Oncology
- 3-years residency training program
- Each year residency training vary from 3-14 persons
 - Current 1st year resident = 11
 - 2nd year resident = 4
 - 3rd year resident = 6

Training Program



- 1. Annual Academic Meeting (March each year)**
- 2. Midyear Education meeting**
- 3. Refresher course for residency training**
- 4. Residency Thesis presentation**
5. IAEA project
6. International Training Course (ESTRO/SEAROG)
7. Joint academic meeting with Thai Medical Oncology Society and Thai Gynecological Oncology Society
8. Others

THASTRO: Activities



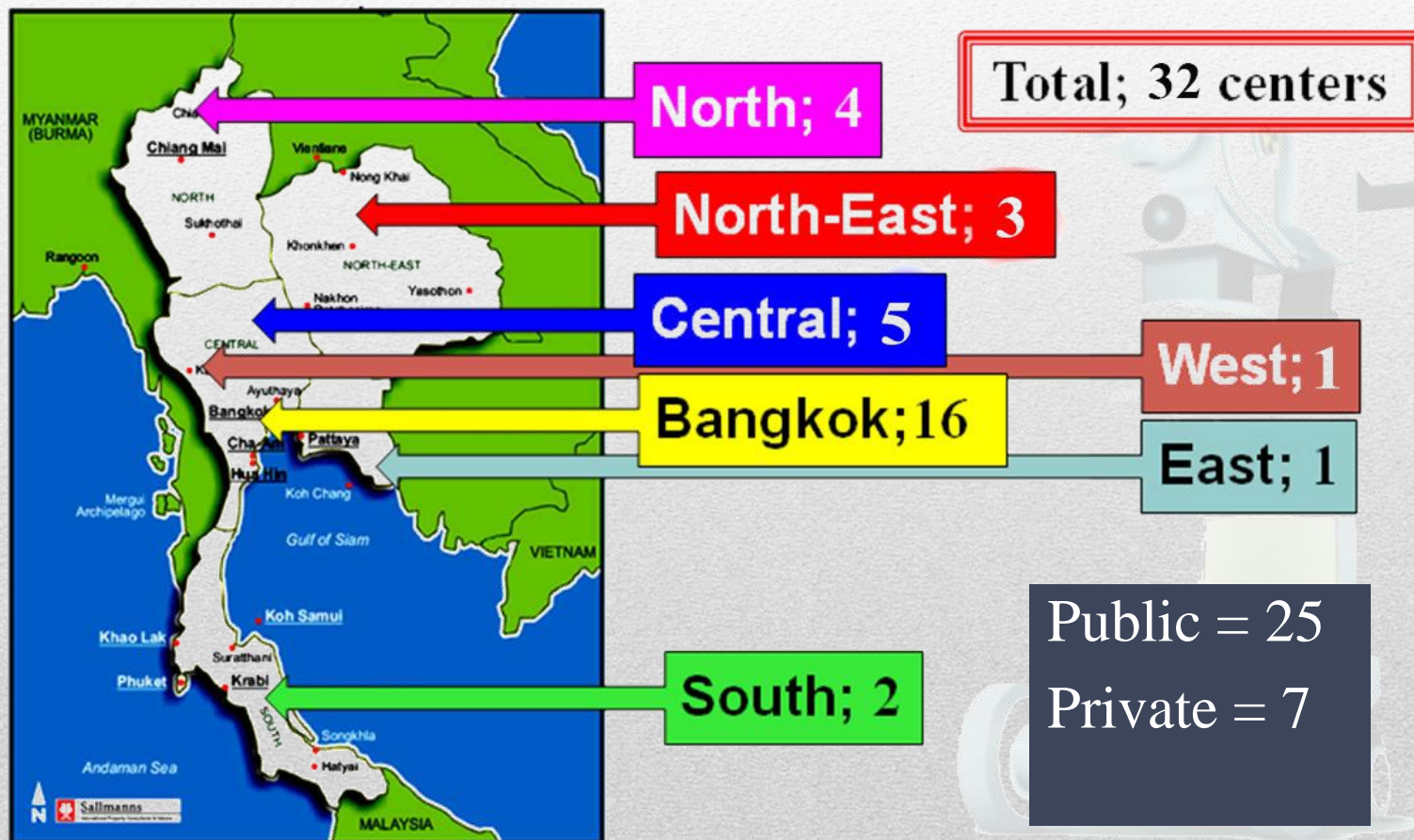
Population	66.7 M
RT center	32
Radiation Oncologist	139
Physicist	89
RTT	246

Data as of 2014

Radiotherapy in Thailand 2015



Radiotherapy Cancer Centers



Data as of 2015



Linear accelerator	62
Cyber Knife	1
Tomotherapy	1
Gamma Knife	1
Cobalt-60	13
Brachytherapy LDR	3
Brachytherapy HDR	25
Conventional simulators	27
CT simulators	22
TPSs (Treatment planning systems)	199

Data as of 2014

Radiotherapy Machines



Population	66.7 M
ASR	≈ 165
New Cancer Case	110,000-115,000 cases
New RT cases (1/3)	36,000-40,000 cases
Old case RT (15%)	5,400-6,000 cases

Data as of 2014

Cancer in Thailand



Actually EBRT	Number of cases	Percentage
New patients	29,557	82 %
Old patients	6,517	18 %
Total	36,174	100%
Average cases/d/machine	45-50 (20-80)	
Waiting time	About 0- 1 months	

Data as of June 2014

Radiation Treatment (June 2014)



Male	Female
1. Liver and bile duct	1. Breast
2. Lung	2. Cervix
3. Colon & Rectum	3. Liver and bile duct

Leading Cancer in Thailand

- Thailand faces a problem of insufficient of Radiation Oncologist, Medical Physicist and RTT as compare to the number of the patients.
- Due to shortage of radiation oncologist, training program is still 3-year. For training special advanced technology, it has to add more time if need .
- There are different level of equipment/machines, staffs and their proficiency of Radiotherapy Centers. Advanced technology cannot be done in some centers.

Training's issues in focus

To improve radiotherapy capability

Equipment/ Machines

- Site visiting: To encourage every center to receive and work under an international standard.
- QA system: To assure quality of equipment/machine in each center.

Human Resources

- Increasing number of staffs to meet the national demanding.
- Develop and Improve current staffs to catch up with technology.
- Mentoring, training and knowledge sharing between the Advanced Technology centers and other centers.

System

- Resource sharing between centers by using a referral system for patient who's needs an advanced radiation technology treatment.

Future direction



THANK
YOU