National University Hospital (NUH)

醫放3-1

尚慶宜

甘倚瑄

Radiation Therapy Center

Photo: Zaobao

CT simulator and accessories

Hanging screen(吊掛螢幕)

雷射線

CT scan bed

Pad slide(滑墊)

Vaclok(真空固定墊)

Body FIX

Head and Neck

Head and Neck

Ensure 5 - 8 cm water (min > 2.5 cm) in water bath

Site	Conventional					IMRT			SRT/SRS	Bolus
	Head			Head & Neck		Head	Head & Neck		Head/Nose	Orfit Pellets
Shell Type	Klarity (Bright Green)	Orfit (Yellow)	Uniframe Civco (White)	Orfit (Yellow)	Klarity (Bright Green)	Klarity (Bright Green)	Civco (White)	Klarity (Bright Green)	Fraxion (Yellow)	Orfit (White)
Water Temp °C	70 - 75	65	75	65 -70	70 - 75	70 - 75	75	70 - 75	65	≥ 65
Heating (min)	1 - 2	3 - 30	5	3	1 - 2	5	7 - 9	5	4 - 30	N.A
Washing (min)	5	1 - 1.5	5	1 - 2	5	5	5	5	1 - 1.5	
Cooling (min)	5	5	5	10	5	10	20 (cold towels)	5	7	

Head and neck mount

Breast

Breast

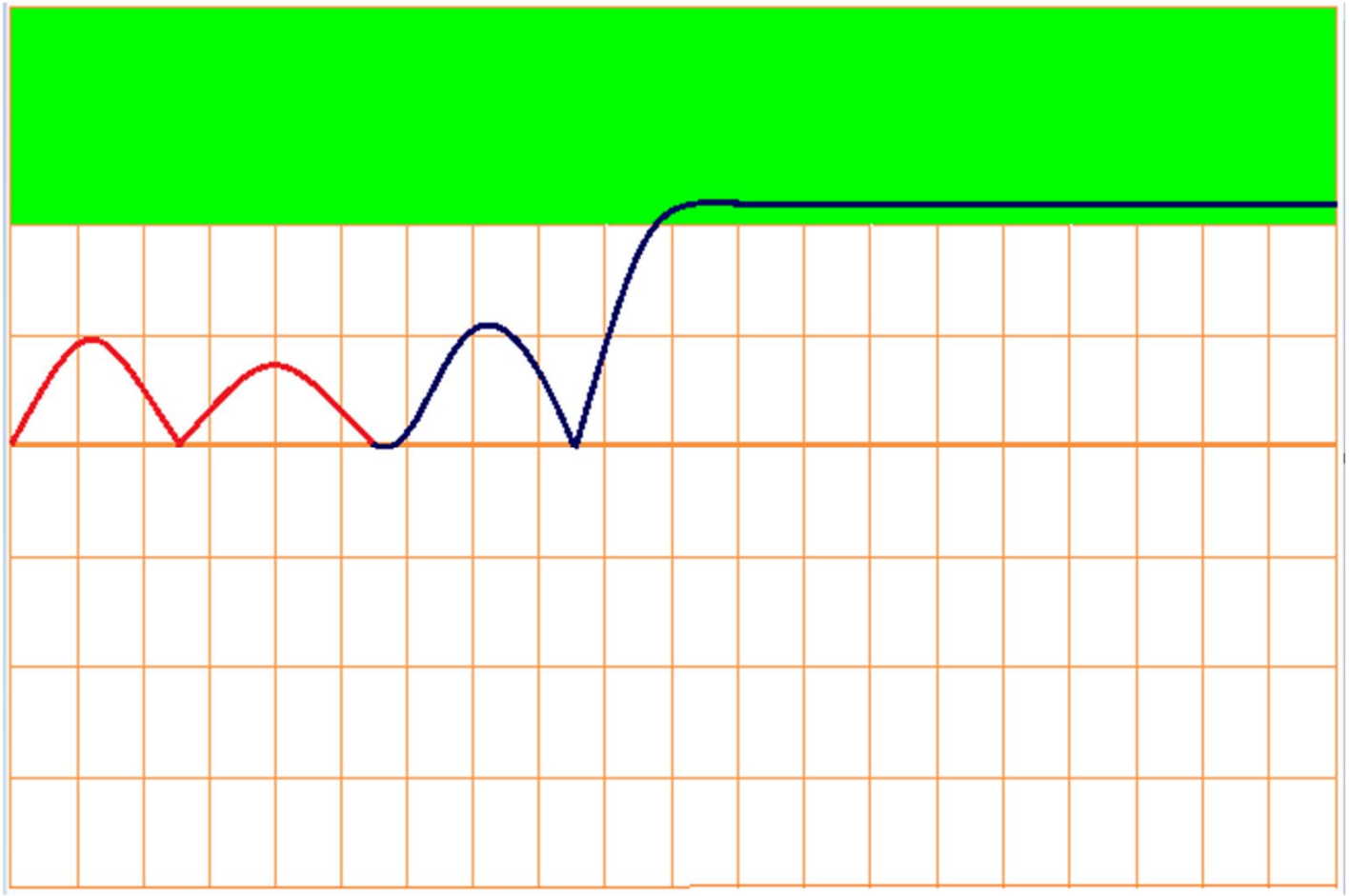
Markers for surgical scars

Knee Rest

Breast

ABC instrument

Breast

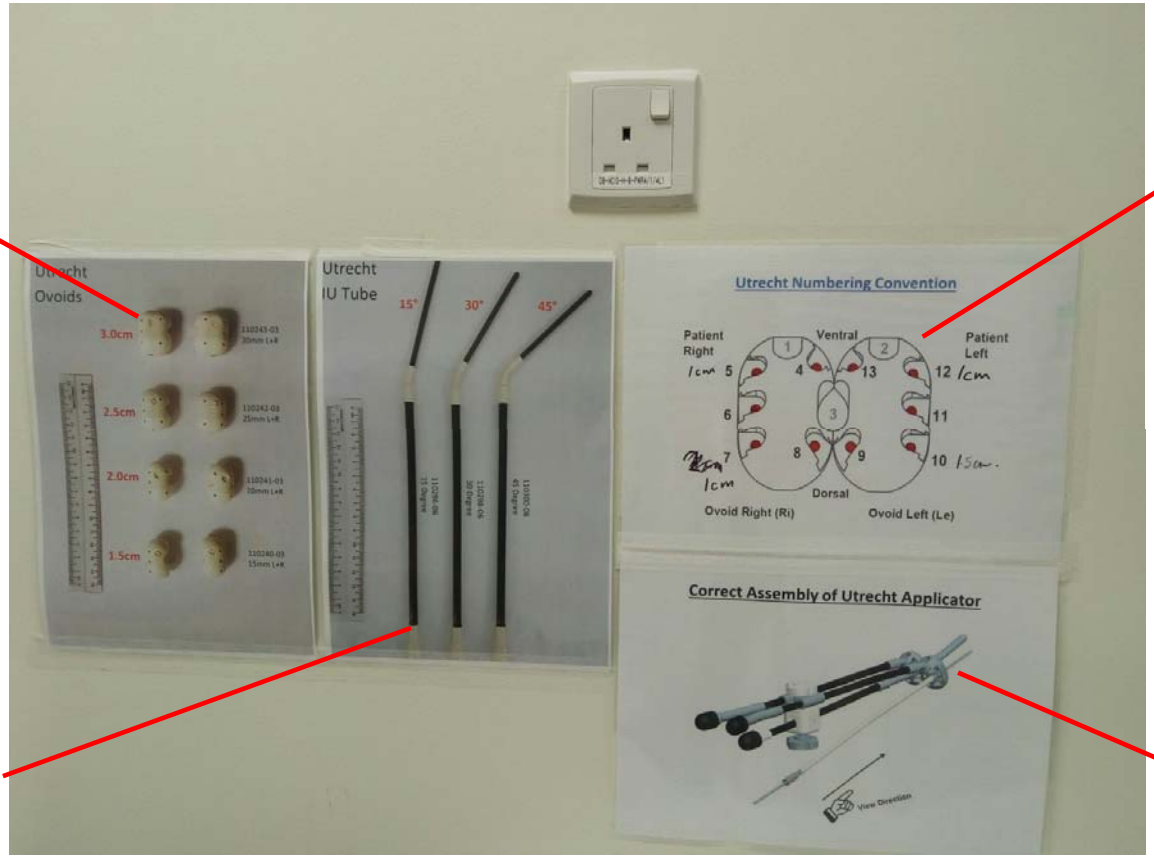


Brachytherapy

Uterus Brachytherapy

Utrecht Ovoids

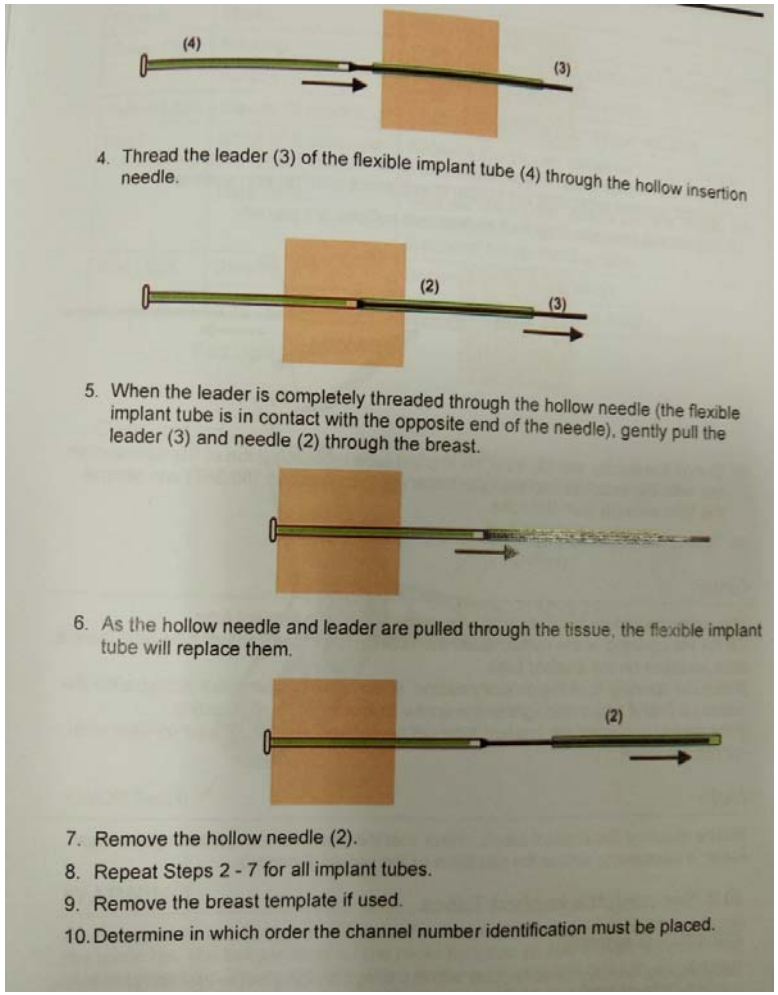
Two Utrecht Ovoids

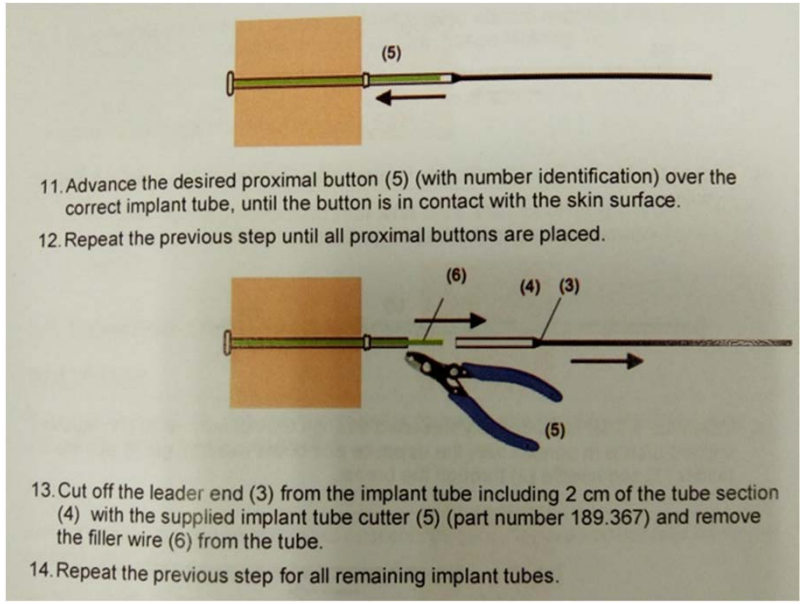


Utrecht IU Tube has a different perspective

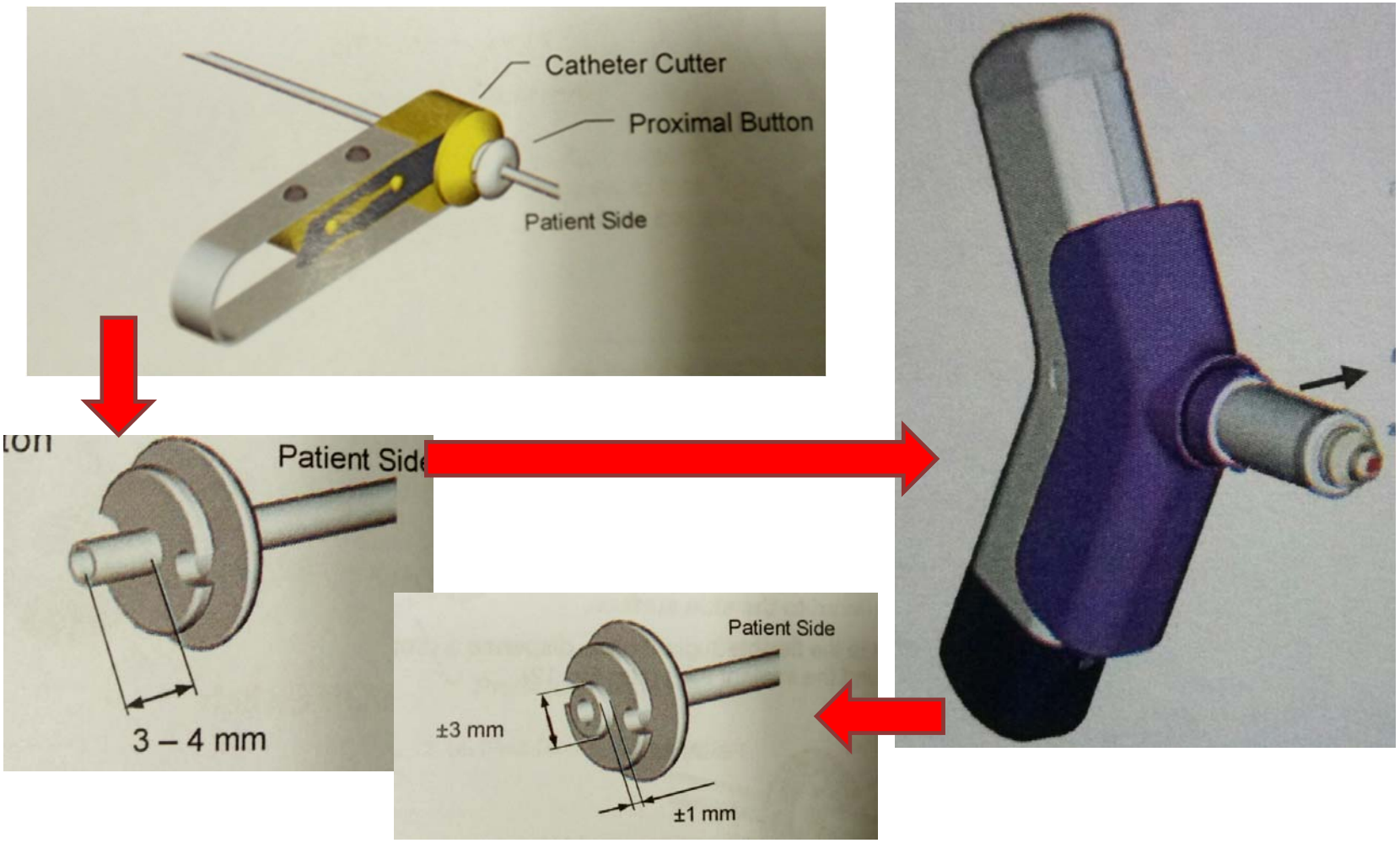
Combine Utrecht Ovoids with Utrecht IU Tube

Accelerated Partial Breast Irradiation (APBI)

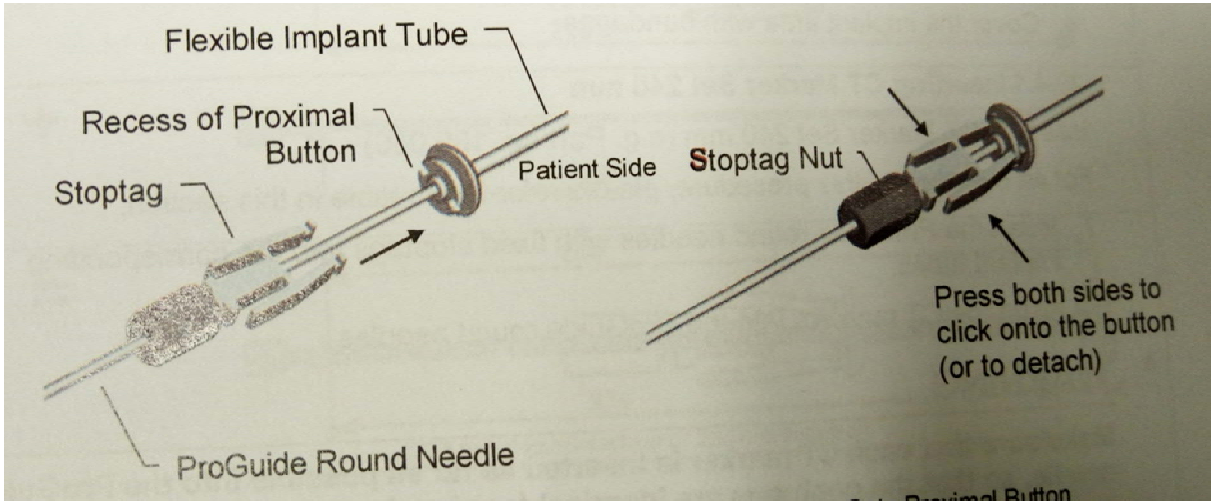




APBI

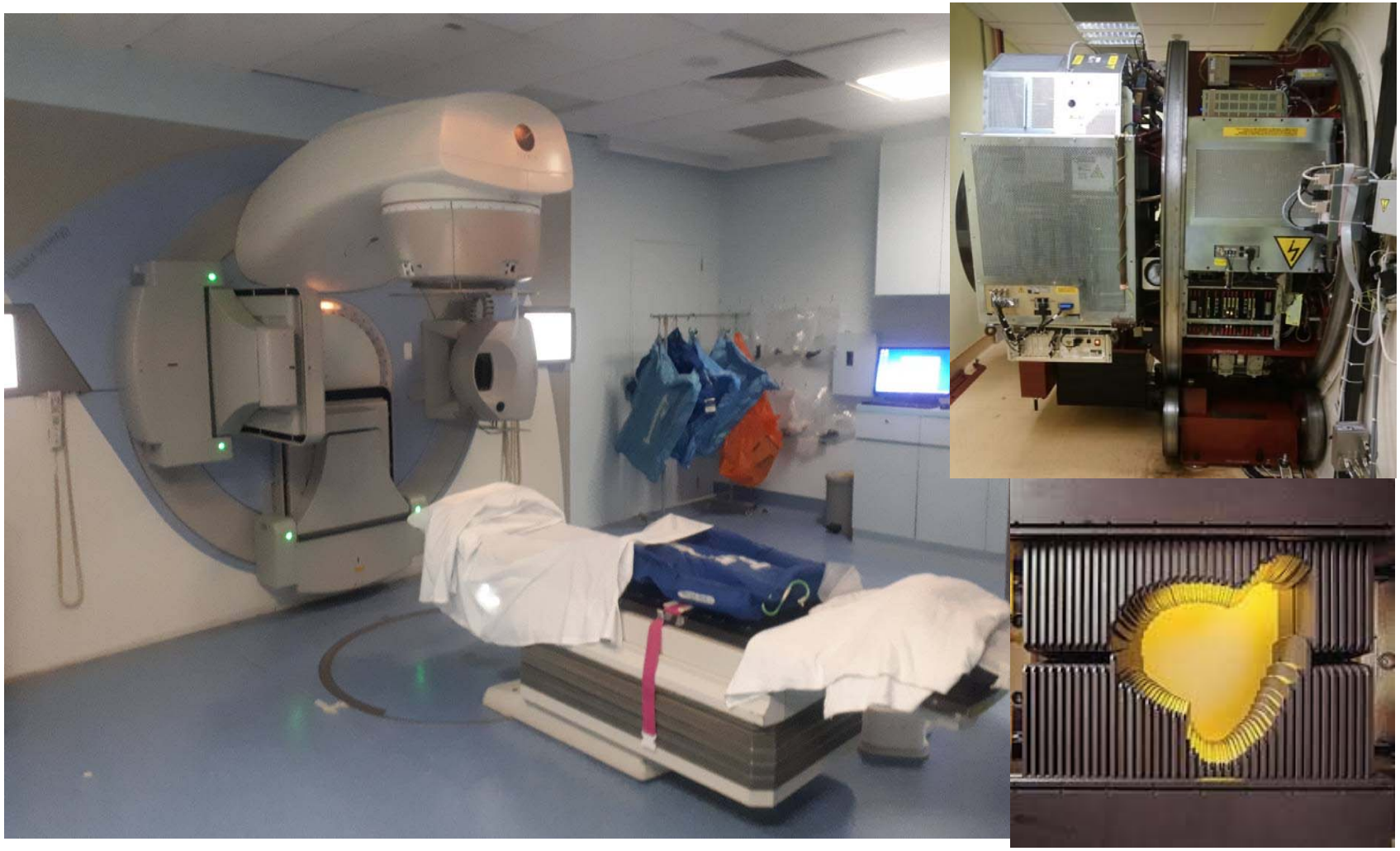

Catheter Cutter
Proximal Button
Patient Side
Patient Side
3 – 4 mm
Patient Side
±3 mm
±1 mm

APBI


Flexible Implant Tube
Recess of Proximal Button
Stoptag
Patient Side
Stoptag Nut
Press both sides to click onto the button (or to detach)
ProGuide Round Needle

microSelectron

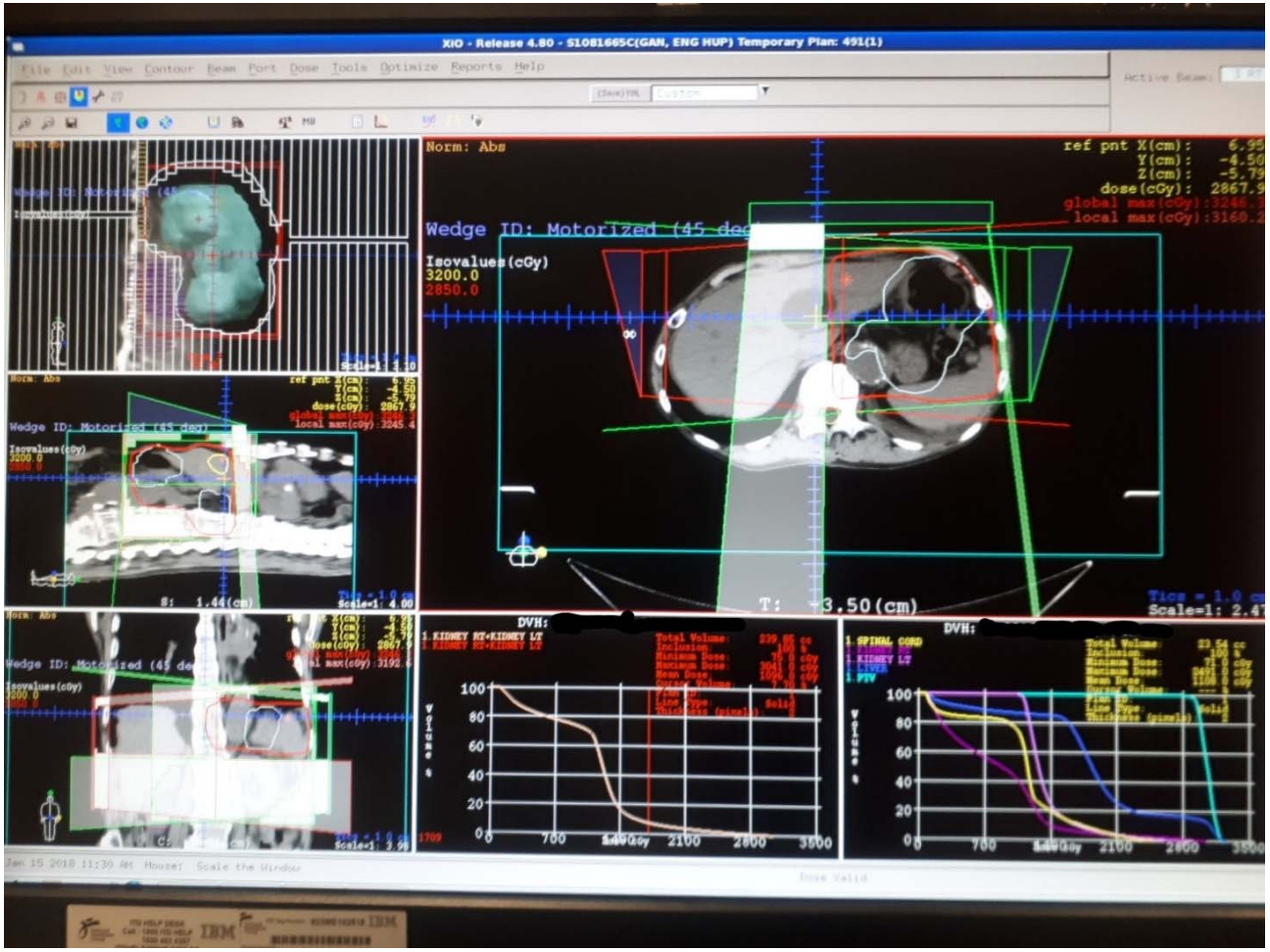
Treatment machine



- Flattening Filter
  整平濾器

- 選擇不同照野尺寸

Planning治療計畫



新加坡文化

新加坡(Singapore)

距離台灣4.5h~5h的飛行距離

大約為是1.5~2倍的台北市

新加坡海軍博物館
雙溪布洛
濕地保留區
夜間野
動物園
新加坡
動物園
武吉知馬
天然保護區
光明山
普覺寺
泰里芝
蓄水池
孫中山
南洋紀
念館
南洋理工大學
裕華園
雪城
知新館
新加坡科學館
裕廊飛禽公園
新加坡植物園
新加坡總統府
新加坡國立大學
裕廊岛煤油中心
新加坡郵輪中心
布拉尼岛
世界貿易中心
聖淘沙
新加坡空軍博物館
馬來村
新加坡室內體育館
中央錫克廟
花柏山&纜車站
東海岸公園
丹那美拉渡輪碼頭
棒宜
渡輪碼頭
棒宜村
新加坡棒宜機場
小人國室內
迷你高爾夫球場
棒宜登徹教堂與博物館
ESCAPE主題樂園
(娛樂中心)
克坦岛
烏敏岛
裕廊
西岛
裕廊
東岛
N

NUH

NUH

FACULTY OF DENTISTRY
MEDICAL DRIVE
LOWER KENT RIDGE ROAD
AYER RAJAH EXPRESSWAY (AYE)
Bus # 97, 197, 198, 963
To Main Building & Emergency /Children's Emergency (drop off only)
Bus # 97, 197, 963
Lobby A
Emergency/ Children's Emergency
1 MAIN BUILDING
WARDS
20 – 28, 33
41 – 48
51 – 58
61 – 64
Bus # 95
Bus # 95
Lobby B
To Medical Centre & Kent Ridge Wing
A
MRT
B
North Entrance
C
2 KENT RIDGE WING
WARDS
2A, 5A
6A – 6B
7A – 7B
8A – 8C
9A – 9B
P
South Entrance
3 MEDICAL CENTRE
P
FROM AYE (CITY)
KENT RIDGE ROAD
NUHS TOWER BLOCK
Bus # 92, 200
Bus # 92, 200
SOUTH BUONA VISTA ROAD

NUH

NUHS 癌病中心 10th

新加坡交通

- 公車

JURONG EAST
333
SG BUS

JURONG EAST
97
More Buses,
Better Rides

- 地鐵

Woodlands North
Woodlands
Sembawang
Kranji
Marsiling
Admiralty
Canberra
Yew Tee
Woodlands South
Springleaf
Lentor
Mayflower
Bright Hill
Upper Thomson
Yishun
Khatib
Yio Chu Kang
Ang Mo Kio
Punggol
Tuas Link
Tuas West Road
Tuas Crescent
Gul Circle
Joo Koon
Pioneer
Boon Lay
Lakeside
Chinese Garden
Jurong East
Bukit Batok
Bukit Gombak
Choa Chu Kang
Bukit Panjang
Cashew
Hillview
Beauty World
King Albert Park
Sixth Avenue
Tan Kah Kee
Botanic Gardens
Stevens
Napier
Orchard Boulevard
Orchard
Somerset
Dhoby Ghaut
Great World
Newton
Novena
Toa Payoh
Caldecott
Marymount
Bishan
Lorong Chuan
Serangoon
Bartley
Tai Seng
Woodleigh
Braddell
Mount Pleasant
Farrer Road
Holland Village
Buona Vista
Commonwealth
one-north
Queenstown
Kent Ridge
Haw Par Villa
Pasir Panjang
Labrador Park
Telok Blangah
HarbourFront
Outram Park
Chinatown
Clarke Quay
Havelock
Redhill
Tiong Bahru
Maxwell
Shenton Way
Tanjong Pagar
Telok Ayer
Raffles Place
City Hall
Marina Bay
Marina South
Marina South Pier
Gardens by the Bay
Downtown
Bayfront
Promenade
Esplanade
Bencoolen
Bras Basah
Little India
Farrer Park
Boon Keng
Potong Pasir
Bendemeer
Geylang Bahru
Mattar
MacPherson
Ubi
Kaki Bukit
Bedok North
Bedok Reservoir
Tampines West
Pasir Ris
Tampines
Tampines East
Upper Changi
Simei
Tanah Merah
Expo
Changi Airport
Xilin
Bedok
Kembangan
Eunos
Paya Lebar
Aljunied
Kallang
Lavender
Bugis
Mountbatten
Dakota
Stadium
Nicoll Highway
Marine Terrace
Marine Parade
Amber
Katong Park
Tanjong Rhu
Siglap
Bayshore
Bedok South
Sungei
Legend :
Note :

tw.myblog.yahoo.com/anders

NE11
Woodleigh

新加坡著名地標

- 濱海灣花園

- 金沙酒店

聖淘沙S.E.A.海洋館

環球影城

夜間野生動物園

新加坡美食

THE END