

* , †
‡
* , † , ‡

8

70

)

가 8

(Optima MP 158C,

Teletronic)

complementary metal oxide semiconductor (CMOS)

가 가

parallel plate

chamber (Capintec), electrometer (NE 2620, Nuclear Enterprise)

가 가
가 가
가

가

가

70 가
29

1999

3

가 가

1

가

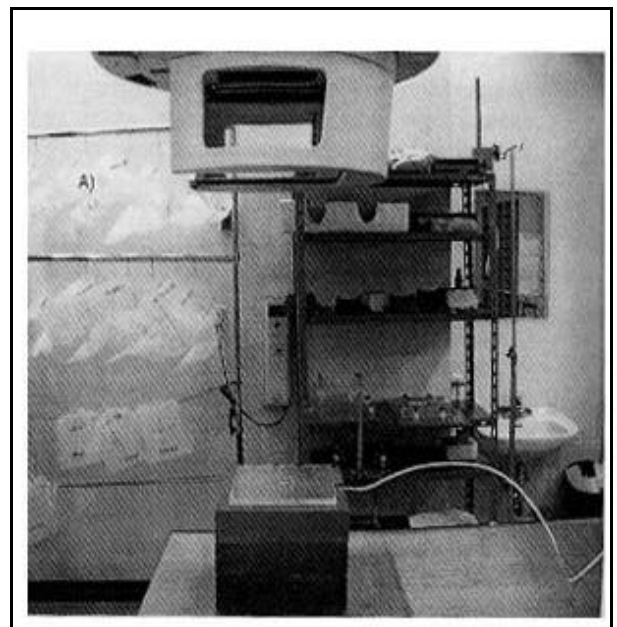


Fig. 1. The absorbed dose was measured at depth of maximum dose (1 cm) of 4 MV linear accelerator using polystyrene phantom (25 x 25 cm), Capintec parallel plate chamber and Nuclear Enterprise NE 2620 electrometer.

2000 2 25

2000 3 14

3 :

, X
 , X
 (magnetron),
 (klystron) (waveguide assembly)
 (500 Hz) beam pulse 2 Gy
³⁾
 . Siemens Corporation
 가
 가 9 가
 mV/m 60 200 kHz . ASTRO 1990 67가
 가 가 , AAPM
¹²⁾ 500 Hz , 60 Hz
 가 .
 (cautery) (diathermy),
 (MRI), (electric pain management device) (collimator)
 ,
 가 ³⁾ 2 Gy
 , 가 2 Gy
^{7,13)} . Last 1998
 ,
¹⁰⁾ ,
 (reprogramming) ¹⁴⁾ .
 (dropped beat) ¹⁵⁾ 2 Gy , 10 Gy
 가 .
 가, 가, ¹⁾
 ,
¹⁷⁾
 3 cm
 가 , ¹⁸⁾ 가 가
 Gy 10 1 cm 가
 Gy 2 Gy ¹⁷⁾ 가 2 Gy
³⁾ 가
 가 . (low-level monitoring)가
 , 2 Gy
 , 가
 American Association of Physician in
 Medicine (AAPM) Task Group No. 34 ³⁾ American Society
 for Therapeutic Radiology and Oncology (ASTRO) 1990 가 ,
¹⁶⁾ . 1985 AAPM 67가

(high-level monitoring)가

가

2 Gy

가

10 Gy

가

가

Laboratories. 4040 Nelson Ave., Concord, CA 94520

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Radiotherapy of Patient with Implanted Cardiac Pacemaker

- Case Report -

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A 70 years old female patient with thyroid cancer received palliative radiation therapy for neck swelling and hemoptysis. She had a cardiac pacemaker under her chest due to complete AV block since 8 years ago. We present clinical detail and review previously reported articles.

Key Words : Radiation therapy, Cardiac pacemaker