

JAPANESE BOARD FOR MEDICAL PHYSICIST QUALIFICATION (JBMP)

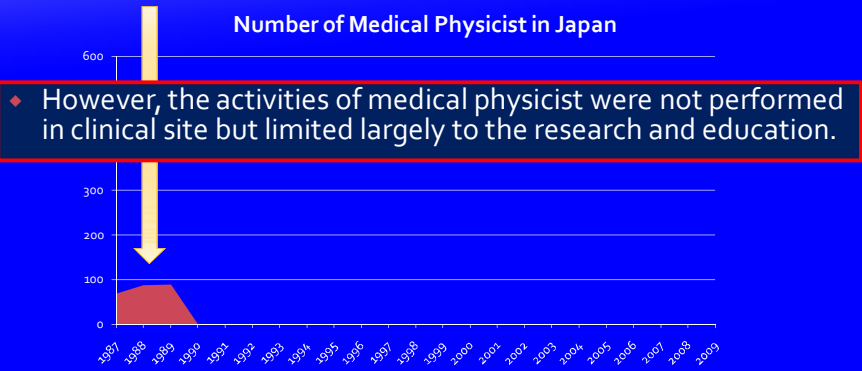
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Background 1

- ◆ The certification system in Japan has a long history, which started from the certification of 70 medical physicists in 1986.

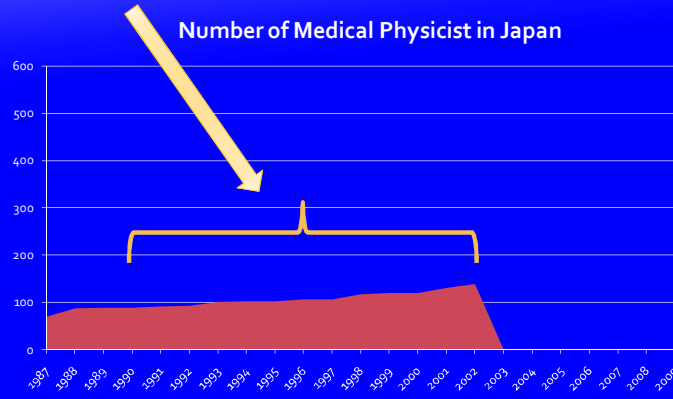


- ◆ However, the activities of medical physicist were not performed in clinical site but limited largely to the research and education.

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Background 2

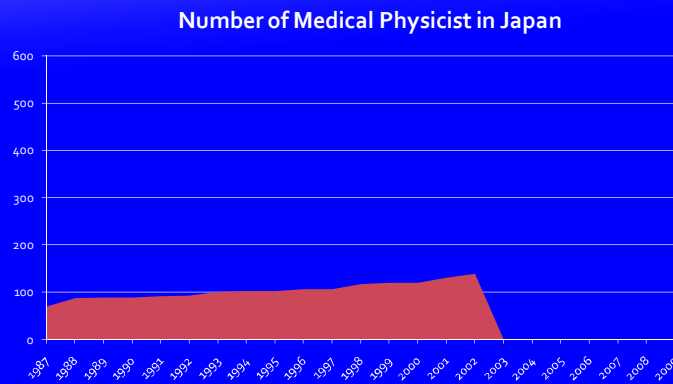
- ◆ As a result, the number of medical physicist in Japan did not increase for a long time.



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Background 3

- ◆ Since 2000, many accidents of radiation therapy have been revealed.



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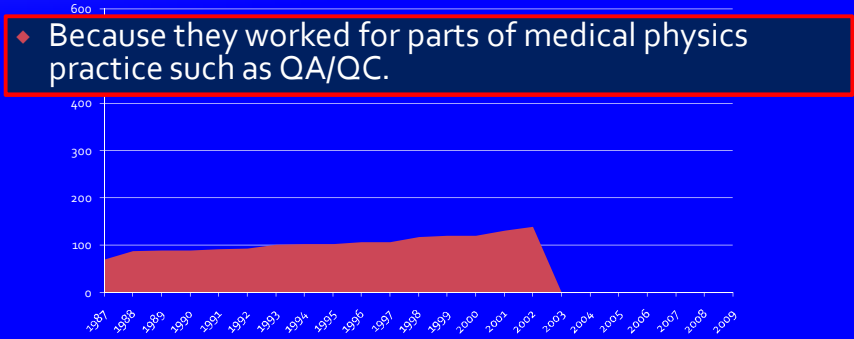
Accidents in radiation therapy in Japan

Institute	City	Date	Period	Fact
T. H.	Tokyo	2001/4	98/7-00/12 (2Y5M)	Input error of wedge factor Erroneous irradiation to 23 pts.
K.Univ. H.	Kanazawa	2002/7	00/6-02/7 (2Y1M)	Input error of wedge factor Erroneous irradiation to 12 pts.
H. H.	Hirosaki	2003/10	95/4-99/10 (4Y6M)	Discrepancy in understanding evaluation point between physician and therapist Erroneous irradiation to 276 pts.
Y.Univ. H.	Yamagata	2004/2	99/4-03/11 (4Y7M)	Input error of field factor Erroneous irradiation to 63 pts.
Y.City.H.	Yamagata	2004/3	02/10-04/3 (1Y5M)	Operation mistake of planning system Erroneous irradiation to 25 pts.
T.H.	Aizuwakamatsu	2004/4	99/3-04/4 (5Y1M)	Improper use of dosimeter Erroneous irradiation to 256 pts.
W.Univ.H.	Wakayama	2004/5	03/9	Operation mistake of planning system Erroneous irradiation to 1 pts.
I.Univ.H.	Iwate	2004/5	98/9-04/2 (5Y5M)	Input error of wedge factor Erroneous irradiation to 111 pts.

Background 4

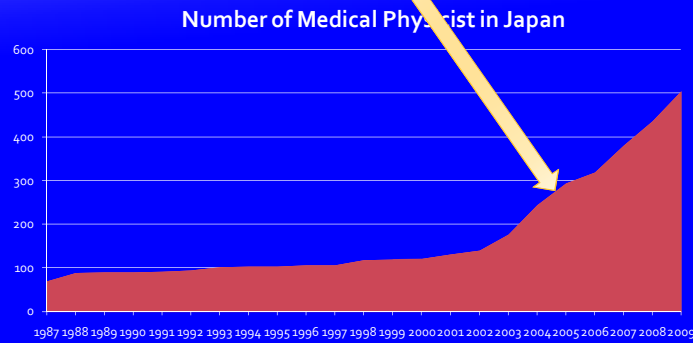
- ◆ In 2002, the qualifying standards for medical physicist were changed so that radiology technologist can obtain qualification for examine.

Number of Medical Physicist in Japan



Background 5

- Since then, the number of medical physicists has increased steadily.



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Establishment of JBMP

- In these surroundings, Japanese Board for Medical Physicist Qualification (JBMP) was established in 2009 under the agreement between Japan Radiological Society (JRS) and Japanese Medical Physics Society (JSMP).

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Purposes of JBMP

- ◆ Certification of medical physicist and renewal of the certification.
- ◆ Certification of educational facilities of medical physicist and renewal of the certification.
- ◆ Formulation of guidelines of educational curriculum for medical physicist.
- ◆ Holding seminars to foster medical physicists and to maintain medical physicist's ability.

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Certification of medical physicist

- ◆ Eligibility for admission to credentialing examination
 - Master's degree of science, technology and health science (including future graduates)
 - Medical physics accomplishments
- ◆ Eligibility for application for certification
 - Pass of credentialing exam.
 - 3 years of medical physics experience for master's degree, 1 year for doctor's degree

*There are many exceptional regulations to rescue medical physicists certified by old certification system.

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Renewal of certification

requires over 60 units within 5 years from following categories.

- Category I
Practical accomplishments relevant to medical physics
- Category II (mandatory)
Attendance of continuing education (training session) of medical physics
- Category III
Research and educational performance of medical physics

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Formulation of guidelines of educational curriculum for medical physicist

In progress

- Radiation therapy (almost completed)
- Diagnosis
- Nuclear medicine

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Certification of educational facilities of medical physicist and renewal of the certification

- will depends on that the level of medical physics education is achieved compared to the guidelines of educational curriculum for medical physicist.
- Certified educational facilities will obtain the merit in the certification of medical physicist.
They can take examination during master's course, and so on.

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Summary 1

- The certification system in Japan has a long history since 1986.
- Because the activities of medical physicist were not performed in clinical site , the number of medical physicist in Japan did not increase for a long time.
- In 2002, the qualifying standards for medical physicist were changed so that radiology technologist can obtain qualification for examine. Since then, the number of medical physicists has increased steadily.
- In these surroundings, Japanese Board for Medical Physicist Qualification (JBMP) was established in 2009.

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Summary 2

- The dominant purposes of JBMP are as follows.
 - Certification of medical physicist and renewal of the certification.
 - Certification of educational facilities of medical physicist and renewal of the certification. (in progress)
 - Formulation of guidelines of educational curriculum for medical physicist. (partially achieved)
 - Holding seminars to foster medical physicists and to maintain medical physicist's ability. (planning)

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