

APPENDIX NO. 4

JAPANESE PLANS FOR PUBLICATION OF THEIR REPORTS

OFFICIAL REPORT OF THE MEDICAL SECTION

THE SPECIAL COMMITTEE FOR THE INVESTIGATION OF THE

ATOMIC BOMB

THE NATIONAL RESEARCH COUNCIL OF JAPAN

(2 January 1947)

by

Dr. Masao Tsuzuki

OFFICIAL REPORT OF THE MEDICAL SECTION (CHAIRMAN: DR. MASAO TSUZUKI) THE SPECIAL COMMITTEE FOR THE INVESTIGATION OF THE EFFECTS OF THE ATOMIC BOMB, THE NATIONAL RESEARCH COUNCIL OF JAPAN (2 January 1947)

P A R T 1.

REPORT OF THE MEDICAL STUDIES OF THE EFFECTS OF THE ATOMIC BOMB.

Edited by Dr. Masao Tsuzuki, Professor of the Tokyo Imperial University.

A summarized report of the Medical Section, based on the various reports which have been presented by the medical investigators in Japan by February 28, 1946. Scientific reports of each survey team and investigator, dealing with special features, will be presented separately.

CONTENTS

- Chapter I. Injurious effects of the explosion of the atomic bomb upon the human body.
- 1) Thermal energy and its injurious effects.
 - 2) Mechanical energy and its injurious effects.
 - 3) Radioactive energy and its injurious effects.
 - 4) The atomic bomb injury.
- Chapter II. Clinical course of the atomic bomb injuries.
- 1) The first period (the early stage).
 - 2) The second period (the middle stage).
 - 3) The third period (the late stage).
 - 4) The fourth period (the after stage).
- Chapter III. Damage and casualties caused by the atomic bomb.
- 1) Damage to the cities.
 - 2) Statistics of the sufferers.
 - 3) Statistics of casualties in special groups.
 - 4) General view of the atomic bomb injuries.
- Chapter IV. Problems of contamination of the bombed area.
- 1) Influence by fission fragments.
 - 2) Influence by induced radioactivity.
 - 3) Influence by poisonous substances.
 - 4) Contaminated condition of the bombed area.
- Chapter V. Protection and rescue problems against the atomic bomb.
- 1) Protective measures.
 - 2) Rescue measures.
- Addendum: List of the reports on the medical studies, presented by February 28, 1946.

P A R T 2.

CLINIC OF THE ATOMIC BOMB RADIATION SICKNESS.

Edited by Dr. Kanshi Sassa, Professor of the Tokyo Imperial University.

A report of the Radiation Sickness Team, the Medical Section, the Special Committee for the Investigation of the Effects of the Atomic Bomb.

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| 2. Etiological items. | 12. Nervous systems. |
| 3. Outlines of the clinical pictures. | 13. Skin. |
| 4. General Symptoms. | 14. Sexual organs. |
| 5. Oral cavity. | 15. Ophthalmology. |
| 6. Hematology. | 16. Oto-Rhino-Laryngology. |
| 7. Hemorrhage. | 17. Complications. |
| 8. Digestive organs. | 18. Death and prognosis. |
| 9. Circulatory organs. | 19. Treatment. |
| 10. Respiratory organs. | 20. Conclusion. |

P A R T 3.

THE RADIOACTIVITY OF THE ATOMIC BOMB FROM THE MEDICAL POINT OF VIEW.

Edited by Dr. Masanori Nakaidzumi, Professor of the Tokyo Imperial University.

A report of the Radioactivity Team, the Medical Section, the Special Committee for the Investigation of the Effects of the Atomic Bomb.

CONTENTS

- 1, Radiant and neutron rays.
- 2, Neutron.
 - (1) On the amount of neutron.
 - a) Determination of the amount of the fast neutrons.
 - b) Determination of the amount of the thermal neutrons.
 - (2) Effect and intensity of neutrons.
 - a) Fast neutrons.
 - b) Thermal neutrons.
- 3, Gamma rays.
 - (1) Mechanism of generation.
 - (2) Distribution of intensity.

4. Radioactivity of the earth.
 - (1) Due to the artificial radioactive substances.
 - (2) Due to the fission products.
5. Epilation.
6. Protection from the radiant rays of the atomic bomb.

P A R T 4.

PATHOLOGY OF THE ATOMIC BOMB INJURIES.

Edited by Dr. Ryojun Kinoshita, Professor of the Osaka Imperial University and Dr. Masashi Miyake, Assistant Professor of the Tokyo Imperial University.

A report of the Pathology Team, The Medical Section, the Special Committee for the Investigation of the Effects of the Atomic Bomb.

CONTENTS

1. Introduction.
2. Pathological Anatomy.
 - (1) Acute stage.
 - (2) Subacute stage.
 - (3) Subchronic stage.
 - (4) Chronic stage.
3. Pathological Histology.
 - (1) Bone Marrow.
 - (2) Spleen.
 - (3) Lymph node.
 - (4) Skin.
 - (5) Gonads.
 - (6) Digestive organs.
 - (7) Lung.
 - (8) Liver.
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 - (10) Organs of the internal secretion.
 - (11) Heart.
4. Pathology of the atomic bomb injuries.
5. Bibliography.