

**SIXTH COORDINATION MEETING OF WHO COLLABORATING
CENTRES IN RADIATION EMERGENCY MEDICAL PREPAREDNESS
AND ASSISTANCE NETWORK (REMPAN)**

Hiroshima, Japan, 23-25 October 1995

Programme

Monday, 23 October

0930 - 1000 Opening session

1. Opening of the meeting : W. Kreisel, WHO Executive Director
2. Welcome address : I. Shigematsu, RERF Chairman and President of Hiroshima International Council for Health Care of the Radiation-exposed (HICARE)
3. Welcome address : Y. Fujita, Governor of Hiroshima Prefecture
4. Welcome address : T. Hiraoka, Mayor of Hiroshima City

1000 - 1015 Coffee break

1015 - 1100 Special report (1) : Radiation emergency medical preparedness and assistance network (REMPAN) at international level
Moderator : Y. Hasegawa, RERF
Speaker : G. Souchkevitch, WHO
Discussions

1100 - 1200 Special report (2) : Emergency response systems for real-time prediction of local and global impacts due to nuclear accident
Moderator : Y. Aoki, Faculty of Medicine, University of Tokyo
Speaker : M. Chino, Japan Atomic Energy Research Institute
Discussions

1200 - 1215 Group photograph taking

1215 - 1330 Lunch

1330 - 1430 Special report (3) Historical review of 23 Japanese fishermen accidentally exposed to radioactive fallout on 1st March 1954
Moderator : I. Shigematsu, RERF
Speaker : T. Kumatori, Radiation Effects Association
Discussions

1430 - 1530 Visit to RERF laboratories

1530 - 1545 Coffee break

1545 - 1900 Cruising to Miyajima Island (including buffet dinner) hosted by President of HICARE

Tuesday, 24 October

- 0900 - 0945 Special report (4) : An accident of exposure to an ¹⁹²Iridium source in Chiba, Japan (September 1971): Angiopathy 22 years after exposure
 Moderator : A. Akanuma, National Institute of Radiological Sciences (NIRS)
 Speaker : M. Akashi, NIRS
 Discussions
- 0945 - 1100 Special report (5) : Effects of radiation accidents in south Urals
 Moderator : K. Mabuchi, RERF
 Speaker : S. Shalaginov, Ural Research Centre of Radiation Medicine
 Discussions
- 1100 - 1115 Coffee break
- 1115 - 1215 Special report (6) : Estonia radiation accident: Investigation of source, accidental circumstances, dose assessment and early biological effects
 Moderator : H. Jammet, International Centre for Radiopathology
 Speaker : I. Gusev, Institute of Biophysics
 Discussions
- 1215 - 1330 Lunch
- 1330 - 1730 Panel discussions (1) : New activities of WHO collaborating centres involved in REMPAN and radiation emergency medical preparedness at national level
 Moderator : G. Souchkevitch, WHO
 Panelists
1. J. Skvarca, Department of Health Radiophysics, Ministry of Health (Argentina)
 2. S. Solomon, Australian Radiation Laboratory (Australia)
 3. C. Oliveira, Institute for Radioprotection and Dosimetry (Brazil)
 4. H. Jammet, International Centre for Radiopathology (France)
 5. D. Densow, University of Ulm (Germany)
 6. Y. Hasegawa, RERF, and A. Akanuma, NIRS (Japan)
 7. V. Komar, Central Research Institute of Roentgenology & Radiology (Russian Federation)
 8. R. Ricks, REAC/TS (USA)
 9. S. Ali, Bhabha Atomic Research Centre (India)
- (1500-1515
Coffee break) Discussions
- 1800 - 2000 Buffet dinner hosted by RERF Chairman

Wednesday, 25 October

- 0900 - 1200 Panel discussions (2) : Medical care of acute radiation symptoms and injuries
 (1030-1045
Coffee break) Moderator : H. Dohy, Hiroshima Red Cross A-bomb Hospital
 Panelists :
1. M. Ohtani, Faculty of Medicine, University of Hiroshima (Planning and treatment for human radiation injuries)
 2. S. Asano, Institute of Medical Science, University of Tokyo (Marrow Donor Program in Japan)
 3. S. Nagataki, Faculty of Medicine, University of Nagasaki (Iodine prophylaxis for the accident of nuclear power stations)

4. S. Araki, Faculty of Medicine, University of Tokyo
(Chelation therapy in Japan: A report based on 25-year use of CaEDTA in occupational medicine)

1200 - 1330 Lunch

1330 - 1630 Panel discussions (3) : Case registries and follow-up

(1500-1515 Moderator : S. Solomon, Australian Radiation Laboratory

Coffee break) Panelists :

1. R. Ricks, REAC/TS (Case registries in the USA)
2. H. Kindler, University of Ulm (International computerized database)
3. C. Oliveira, Institute for Radioprotection and Dosimetry
(Follow-up of Goiania accident cases)
4. K. Mabuchi, RERF (Long-term follow-up of atomic bomb survivors in Hiroshima and Nagasaki)

1630 - 1700 Concluding presentation : WHO/REMPAN - its perspectives

Moderator: J. Skvarca, Argentine Ministry of Health

Speaker : W. Kreisel, WHO

1700 - 1710 Closing session

Closing remarks : Y Hasegawa, RERF Permanent Director and
Director, WHO Collaborating Centre for Radiation Effects on Humans

Annex II

**SIXTH COORDINATION MEETING OF WHO COLLABORATING
CENTRES IN RADIATION EMERGENCY MEDICAL PREPAREDNESS
AND ASSISTANCE NETWORK (REMPAN)**

Hiroshima, Japan, 23-25 October 1995

List of Participants and Observers

[WHO Collaborating Centres and Liaison Institution]

Argentina:

Dr J.J. Skvarca, Director, Department of Health Radiophysics, Secretaria de Salud,
Correo Central 1000, P.O. Box 3268, Buenos Aires 1000, Argentina
Tel: (54-1) 382-5680
Telex: 25064 COOPRE AR
Fax: (54-1) 381-0971/382-5680

Australia:

Dr R. Drummond, Deputy Director of Radiation Oncology, Peter MacCallum Cancer Institute, St Andrews
Place, East Melbourne, Victoria, Australia
Tel: (61-3) 9656-1111
Fax: (61-3) 9656-1424

Dr S.B. Solomon, Acting Head, Radiation Health Section, Australian Radiation Laboratory, Lower Plenty
Road, Yallambie, Victoria 3085, Australia
Tel: (61-3) 9433-2211
E-mail: radprot@arl.oz.au
Fax: (61-3) 9432-1835

Brazil:

Dr C.A.N. Oliveira, Deputy Director, Institute for Radioprotection and Dosimetry, Avenida Salvador
Allende (Via 9), Jacarepagua, CEP. 22780-160, Rio de Janeiro, Brazil
Tel: (55-21) 442-1927/442-9614
Fax: (55-21) 442 1950/442-2539

France:

Dr H. Jammet, Director, International Centre for Radiopathology, Centre d'Etudes Nucléaire, Batiment
No. 38, B.P. 34, 92265 Fontenay-aux-Roses, France
Tel: (33-1) 45.54.72.66
Telex: 204841 F
Fax: (33-1) 46.38.24.45

Germany:

Dr D. Densow, Institute of Occupational and Social Medicine, University of Ulm, FAW, Postfach 2060,
D-89010 Ulm, Germany
Tel: (49-731) 501-480

Fax: (49-731) 501-999
E-mail: densow.dirk@t-onlinede

Dr H. Kindler, Institute of Occupational and Social Medicine, University of Ulm, FAW, Postfach 2060,
D-89010 Ulm, Germany

Tel: (49-731) 501-480
Fax: (49-731) 501-999
E-mail: kindler@faw.uni-ulm.de

Japan:

Dr I. Shigematsu, Chairman, Radiation Effects Research Foundation (RERF)

Dr Y. Hasegawa, Permanent Director, RERF, 5-2, Hijiyama Park, Minami-ku, Hiroshima 732

Tel: 082-261-3131
Fax: 082-263-7279
E-mail: hasegawa@rerf.or.jp

Dr K. Mabuchi, Chief, Department of Epidemiology, RERF

Russian Federation:

Professor V.E. Komar, Head, Department of Medical Radiobiology, Central Research Institute of
Roentgenology & Radiology, Pesochaya-2, ul. Leningradskaya, 70/4, 188646
St. Petersburg, Russian Federation

Tel: (7-812) 437-87-81
Fax: (7-812) 437-87-87/437-56-00

U.S.A.:

Dr R.C. Ricks, Director REAC/TS, Medical and Health Sciences Division, Oak Ridge Associated
Universities, Oak Ridge, Tn. 37831-0117, U.S.A.

Tel: (1-423) 576-3450
Fax: (1-423) 576-9522

India:

Dr S.S. Ali, Senior Specialist, Bhabha Atomic Research Centre, Trombay, Bombay 400085, India

Tel: (91-22) 551-1677
Telex: 011 71017/011-72322
Fax: (91-22) 556-0750/556-0534

[Moderators, Panelists and Speakers]

Dr A. Akanuma, Director, Division of Radiation Health and Clinical Researches, National Institute of
Radiological Sciences, 4-9-1 Anagawa, Inage-ku, Chiba 263

Tel: 043-251-2111
Fax: 043-256-9616

Dr M. Akashi, Chief of the 3rd Laboratory, Division of Radiation Health and Clinical Researches, National
Institute of Radiological Sciences, 4-9-1 Anagawa, Inage-ku, Chiba 263

Tel: 043-251-2111
Fax: 043-284-1736

Dr Y. Aoki, Professor, Department of Radiation Health, Faculty of Medicine, University of Tokyo, 7-3-1
Hongo, Bunkyo-ku, Tokyo 113

Tel: 03-3812-2111

Fax: 03-5684-5274

Dr S. Araki, Professor, Department of Public Health, Faculty of Medicine, University of Tokyo, 7-3-1
Hongo, Bunkyo-ku, Tokyo 113

Tel: 03-3812-2111

Fax: 03-3816-4751

Dr S. Asano, Professor of Internal Medicine, Institute of Medical Science, University of Tokyo, 4-6-1,
Shiroganedai, Minato-ku, Tokyo 108

Tel: 03-3443-8111

Fax: 03-5449-5429

Dr M. Chino, Senior Scientist, Environmental Physics Laboratory, Department of Environmental Safety
Research, Japan Atomic Energy Research Institute, Shirakata, Tokai-mura, Naka-gun,
Ibaragi-ken 319-11

Tel: 029-282-5863

Fax: 029-282-5857

Dr H. Dohy, Chief, 4th Department of Internal Medicine, Hiroshima Red Cross A-bomb Hospital, 1-9-6
Senda-machi, Naka-ku, Hiroshima 730

Tel: 082-241-3111

Fax: 082-246-0676

Dr I. Gusev, Researcher, Institute of Biophysics, Jivopisnaya, 46, Moscow, Russian Federation

Tel: (7-095) 190-94-11

Fax: (7-095) 190-35-90/190-45-91

Dr T. Kumatori, Chairman, Radiation Effects Association, 9-16 Kaji-cho 1-chome, Chiyoda-ku, Tokyo 101

Tel: 03-3254-1581

Fax: 03-3254-8744

Dr S. Nagataki, Dean, Faculty of Medicine, University of Nagasaki, 12-4 Sakamoto-machi, Nagasaki 852

Tel: 0958-47-2111

Fax: 0958-49-7270

Dr M. Ohtani, Associate Professor, Emergency and Critical Care Medicine, Faculty of Medicine, University
of Hiroshima, 1-2-3 Kasumi, Minami-ku, Hiroshima 734

Tel: 082-257-5555

Fax: 082-257-5589

Dr S. Shalaginov, Researcher, Ural Research Centre of Radiation Medicine, FIB-4, Medogorodok,
Chelyabinsk 454076, Russian Federation

Tel: (7-3512) 344-762

Fax: (7-3512) 344-321

[Government of Japan]

Dr Y. Saito, Chief Medical Officer, Planning Division, Health Service Bureau, Ministry of Health and
Welfare

Dr Y. Matsumoto, Director for Radiation Protection Policy, Nuclear Safety Bureau, Science and Technology Agency

Dr. T. Ueki, Director, Office of Emergency Planning and Environmental Radioactivity, Nuclear Safety Bureau, Science and Technology Agency

[Local Governments]

Mr N. Kubo, Deputy Governor of Hiroshima Prefecture, 10-52 Moto-machi, Naka-ku, Hiroshima 730
Tel: 082-228-2111
Fax: 082-223-3573

Dr H. Nakatani, Director-General, Department of Welfare and Health Services,
Hiroshima Prefectural Government

Mr T. Hiraoka, Mayor of Hiroshima City, 1-6-34 Kokutaiji-cho, Naka-ku, Hiroshima 730
Tel: 082-245-2111
Fax: 082-242-6019

Dr A. Hashizume, Director-General, Department of Hygiene, Hiroshima City Office

[Observers]

Professor Vladimir Bebesko, Director, Institute of Clinical Radiation, Ukraine Research Centre for Radiation Medicine, Academy of Medical Science of Ukraine, Puscha-Voditha, Jesnaja 30, Kijev, Ukraine
Tel: (044) 430-06-53
Fax: (044) 431-98-30

Professor Maija Eglite, Director of the Institute of Labour Medicine, Medical Academy of Latvia, 16 Dzirciema street, LV-1007 Riga, Latvia
Tel: 371-2-409139/409187
Fax: 371-7-828155

Dr M. Hoshi, Professor, Research Institute for Nuclear Medicine and Biology, Hiroshima University

Mr A. Nagai, Nuclear Safety Research Association, Tokyo

Mr M. Nagira, Nuclear Power Operations Department, Chugoku Electric Company

Mr Y. Ohmi, Nuclear Power Operations Department, Chugoku Electric Company

Dr A. Taguchi, Deputy Director, Nagasaki Red Cross and A-bomb Survivors Hospital

Dr T. Tsuchimoto, Vice President, Hiroshima City Medical Association

Dr M. Yasumoto, Industrial Health Physician, Tokyo Electric Company

[Observers from Host Institution (RERF)]

Dr S. Abrahamson, Vice Chairman

Mr Y. Hirano, Chief of Secretariat

Mr T. Imada, Associate Chief, Department of Information Technology

Dr K. Kodama, Chief, Department of Clinical Studies (Hiroshima)

Dr K. Neriishi, Chief, Division of Medicine, Department of Clinical Studies (Hiroshima)

Dr M. Otake, Associate Chief, Department of Statistics

Dr C. Satoh, Chief, Department of Genetics

Dr T. Seyama, Associate Chief, Department of Radiobiology (Hiroshima)

[World Health Organization - WHO]

Dr W. Kreisel, Executive Director, World Health Organization, CH-1211, Geneva 27,
Switzerland

Tel: (41-22) 791-2111

Telex: 415416

Fax: (41-22) 791-4849

Dr G. Souchkevitch, Radiation Scientist, WHO, Geneva

Tel: (41-22) 791-3762

Telex: 415416

Fax: (41-22) 791-4123

E-MAIL: DENEREAZA@WHO.CH

Annex III

**SIXTH COORDINATION MEETING OF WHO COLLABORATING
CENTRES IN RADIATION EMERGENCY MEDICAL PREPAREDNESS
AND ASSISTANCE NETWORK (REMPAN)**

Hiroshima, Japan, 23-25 October 1995

List of WHO Collaborating Centres and Liaison Institutions in REMPAN

Dr J.J. Skvarca
Director
Department of Health Radiophysics
Secretaria de Salud, Correo Central 1000
P.O. Box 3268
Buenos Aires 1000, ARGENTINA
(WHO Collaborating Centre for Radiation Emergency
Response and Medical Assistance)

Tel: (54-1) 382-5680
Telex: 25064 COOPRE AR
Fax: (54-1) 381-0971/382-5680

Dr K.H. Lokan
Director
Australian Radiation Laboratory
Lower Plenty Road, Yallambie
Victoria 3085, AUSTRALIA
(WHO Collaborating Centre for Radiation Protection
and Radiation Emergency Medical Assistance)

Tel: (61-3) 9433-2211
Fax: (61-3) 9432-1835

Dr E.C.S. Amaral
Director
Institute for Radioprotection and Dosimetry
Avenida Salvador Allende (Via 9)
Jacarepagua, CEP. 22780-160
Rio de Janeiro, BRAZIL
(WHO Collaborating Centre for Radiation Protection
and Medical Preparedness for Radiation Accidents)

Tel: (55-21) 442-1927/442-9614
Fax: (55-21) 442 1950/442-2539

Dr H. Jammet
Director
International Centre for Radiopathology
Centre d'Etudes Nucléaire
Batiment No. 38, B.P. 34
92265 Fontenay-aux-Roses, FRANCE
(WHO Collaborating Centre International Reference Centre for Radioactivity)

Tel: (33-1) 45.54.72.66
Telex: 204841 F
Fax: (33-1) 46.38.24.45

Dr T.M. Fliedner
Institute of Occupational and Social Medicine
University of Ulm
D-89069 Ulm, GERMANY
(WHO Collaborating Centre for Radiation
Emergency Medical Assistance)

Tel: (49-731) 502-3400
Fax: (49-731) 502-3415
E-mail: theodor.fliedner@medzin.uni-ulm.de

Dr Y Hasegawa
Permanent Director
Radiation Effects Research Foundation
5-2 Hijiyama Park, Minami-ku
Hiroshima 732, JAPAN
(WHO Collaborating Centre for Radiation Effects on Humans)

Tel: 082-261-3131
Fax: 082-263-7279
E-mail: hasegawa@rerf.or.jp

Dr V.E. Komar
Head
Department of Medical Radiobiology
Central Research Institute of
Roentgenology & Radiology
Pesochynaya-2, ul. Leningradskaya
70/4, 188646 St. Petersburg
RUSSIAN FEDERATION
(WHO Collaborating Centre on Medical Radiation Pathology)

Tel: (7-812) 437-87-81
Fax: (7-812) 437-87-87/437-56-00

Dr R.C. Ricks
Director REAC/TS
Medical and Health Sciences Division
Oak Ridge Associated Universities
Oak Ridge, Tn. 37831-0117, U.S.A
(WHO Collaborating Centre for Radiation
Emergency Assistance)

Tel: (1-423) 576-3450
Fax: (1-423) 576-9522

Dr A.N. Prasad
Director
Bhabha Atomic Research Centre
Trombay, Bombay 400085, INDIA
(Liaison Institution in WHO/REMPAN)

Tel: (91-22) 551-1677
Telex: 011 71017/011-72322
Fax: (91-22) 556-0750/556-0534

Dr Bing-Zhi Mao
Director
Institute of Radiation Medicine
27, Tai Ping Road
Beijing 100850, CHINA
(Liaison Institution in WHO/REMPAN)

Tel/Fax: (86-10) 821-4653
(86-10) 821-3044/821/4653