

## Dr Gregory Chan Chung Tsing

*PP, MBBS (S'pore), MMED (Occupational Med) (S'pore), Dip Geriatric Med (S'pore), Dip FP Derm (S'pore),*

*Cert DHM (Adelaide, Toronto), FSI Arb*

**Senior Occupational Health and Diving Physician**

### PRESENT APPOINTMENTS

#### 1. Non-Military

- Senior Consultant, Work Health & Safety INC and Occupational Health Consultants (Asia-Pacific)
- Senior Occupational Health Physician and Dive Control Officer (previously Deputy Director) - Office of Safety, Health and Environment, National University of Singapore
- Associate Dean - National Occupational Medicine Training Programme, Specialist Training Committee, Singapore
- Member of teaching faculty – Preventive Medicine Residency Programme, National University Health System
- Member – Review of the Guidelines for Designated Workplace Doctors, Ministry of Manpower
- Member - Specialist Training Committee for Occupational Medicine, Singapore
- Member - WSHA Committee (Healthcare), WSH Council Singapore
- Member – WSHA Healthcare Subcommittee (Capability Development), WSH Council Singapore
- Member – WSHA Risk Management Technical Committee, WSH Council Singapore
- Senior Research Fellow to the Defence Medical & Environmental Research Institute, Defence Science Organisation
- Visiting Consultant – Hyperbaric and Diving Medicine Centre, Singapore General Hospital
- Member, Expert Panel of Singhealth Institutional Biosafety Committee
- Member, NUS Institutional Biosafety Committee and IBC BSL-3 Subcommittee
- Member, NUS Institutional Laboratory Safety Committee
- Editorial Board Member - Journal of International Maritime Health, Poland
- Visiting lecturer to Dept of Community, Occupational & Family Medicine, Yong Loo Lin School of Medicine, Singapore (teaching Occupational Health in Masters Programme)
- Visiting lecturer to Dept of Bioengineering and Chemical Engineering, NUS (teaching Occupational Toxicology and Occupational Diseases in Masters Programme)
- Previously adjunct Assistant Professor with the School of Medicine, NUS and Consultant Occupational Health Physician, Singapore General Hospital, Advisor to World Health Organisation in Occupational Health

#### 2. Military

- Consultant Occupational Health and Diving Physician - Singapore Armed Forces
- Previously Heads of Preventive Medicine, Naval Medicine, Fleet Medicine, Undersea Medicine and Performance Maximisation in SAF

#### 3. Professional Bodies

- Fellow – Singapore Institute of Arbitrators
- President - Occupational and Environmental Health Society, Singapore
- First Vice-President - Asian Association of Occupational Health
- Member, Singapore Lab Animals Society
- Previously Fellow, Academy of Medicine, Singapore, Advisor to Singapore Underwater Federation, Vice-Chairman Chapter of Public Health & Occupational Physicians, Academy of Medicine, Member of Singapore Biotechnology & Microbiological Society, International Commission of Occupational Health

## Educational Qualifications and Training

1992	Degrees of Bachelor of Medicine and Bachelor of Surgery, National University of Singapore (NUS)
1993-94	Medical Officer, Ministry of Health (Departments of Surgery, Respiratory Medicine, Obstetrics and Gynaecology, Oncology and Polyclinics), 1992-1994
1996	Attachment with Royal Swedish Navy as part of Submarine Medicine training, SWEDEN
1997	Degree of Master of Medicine (Occupational Medicine), NUS – first in Class with Distinction
1997	Attachment to Institute of Occupational Health, University of Birmingham as part of Occupational Health training, UNITED KINGDOM
1998	Certificate in Basic and Advanced Diving and Hyperbaric Medicine, Royal Adelaide Hospital, AUSTRALIA – first in Class with Distinction
1998	Attachment with British Defence Force as part of Medical Defence (Chemical, Biological and Radiological) training, UNITED KINGDOM
1999	Attachment with the US Navy as part of Naval Fleet Medicine training, UNITED STATES OF AMERICA (shipboard medical support)
1999	Graduate Diploma of Geriatric Medicine, NUS
2000	Specialist accreditation in Occupational Medicine by the national Specialist Accreditation Board, SINGAPORE
2000	Graduate Diploma of Family Practice Dermatology, NUS
2001	Fellowship, Academy of Medicine, SINGAPORE
2003	One year Fellowship Programme with Department of Community, Occupational and Family Medicine, NUS as part of further specialised training in the Healthcare industry, Psycho-social factors of work and Indoor Environmental/Air Quality
2004	Study visit to Stockholm and Uppsala pertaining to Occupational Health Services in its Hospitals, and Indoor air environments (together with Ministry of Manpower) – Swedish Institute of Working Life, Swedish Work Authority, Karolinski Institute, Department of Occupational and Environmental Health University of Uppsala, SWEDEN
2004	Study attachment to Department of Building, School of Design and Environment, NUS as part of specialised training in Indoor Environmental/Air Quality.
2004	2 week Study attachment to SHELL Asia-Pacific and Singapore Group of Petrochemical Companies as part of specialised training in the chemical and service industries.
2005	Advanced Diving Medicine Course – Defence Research and Development Centre, Canadian Forces Toronto – further training in Diving and Hyperbaric Medicine.
2006	Post-traumatic Management Course by School of Military Medicine
2006	Basic and Advanced Cardiac Life Support accreditation
2006	Business Continuity Planning training
2006	Professional Development Training (Teaching), NUS for all Professors
2007	Biosafety in Laboratories – training with the Asia-Pacific Biosafety Society and National University of Singapore
2007	Graduate Certificate International Arbitration, NUS

2007	Fellow, Singapore Institute of Arbitrators
2008	Biosafety Coordinator Course by Asia-Pacific Biosafety Society
2009	OHSAS 18001 Lead Auditor Course leading to IRCA registration

### Scholarships/Awards/Prizes

1995	SAF Postgraduate Local Training Scholarship for Occupational Medicine
1997	Society of Occupational Medicine Gold Medal for distinction in MMED(Occupational Medicine) course, NUS
1998	SAF Postgraduate Overseas Training Award for Diving & Hyperbaric Medicine
2000	'Best Knowledge' prize in Advanced Medical Officer Course, School of Military Medicine
2001	United Nations Service Medal
2001	SAF Overseas Mission Medal
2001	SAF Letter of Commendation for outstanding role in UN Peacekeeping Force, East Timor
2001	Finalist, NUS Startup Competition – for Occupational Safety and Health Management System
2002	Asian Society of Occupational Health - Young Asian Scientist Award at the 17th Asian Congress of Occupational Health
2003	SAF Postgraduate Training Award: - 1 year Local Fellowship Programme with Department of Community, Occupational and Family Medicine, NUS - 1 year Overseas Fellowship Programme in Occupational Health
2003	SAF Certificate of Commendation in recognition of contribution to national SARS efforts
2003	National Day Award: Commendation Medal (Military) (Pingat Penghargaan Tentera) in recognition of work against SARS in MINDEF and MOH - conferred by President of Singapore
2005	SAF Certificate of Commendation in recognition of contribution to Tsunami relief efforts
2007	Organisational Excellence Champion, in recognition of practice of personal values and commitment towards organizational excellence in Navy Medical Service
2007	Helped Navy Medical Service in recognition of contributions towards Organisational Excellence achievements: Global Excellence Model, ISO 9001, OHSAS 18001, Singapore Quality Class and People Developer.
2008	Service Excellence Champion Award by CEO, Singapore General Hospital
2008	Helped Office of Safety, Health and Environment achieve NUS Service Class Award
2009	Helped Office of Safety, Health and Environment achieve MOM Annual Workplace Safety and Health Award (Silver)
2009	Submitted 4 best practices in Occupational Health to WSHC (Healthcare)
2009	Helped Office of Safety, Health and Environment achieve one of best performers in Quality Improvement projects
2009	NUS Innovative Quality Project winner and will represent NUS for the International Quality Convention in 2010
2009	NUS Service Achiever Award

### Medical Registration and Practice

**3 | Confidential** Corresponding Address: Dr Gregory Chan – Occupational Health Consultants (Asia-Pacific)  
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E-mail: gregchan@workhealth.com.sg

1992	Provisional medical registration with the Singapore Medical Council
1993	Full medical registration with the Singapore Medical Council
1994	Registered as Designated Factory Doctor (Compressed Air Works) with Ministry of Manpower (Labour)
1997	Registered as Designated Factory Doctor with Ministry of Manpower (Labour)
1998	Limited medical registration with South Australian Medical Council
1999	Specialist accreditation in Occupational Medicine with Singapore Medical Council

## **Occupational Health Evaluations and Research**

### *Non-Military*

1. Managed the NUS Accident/Incident Reporting System, 2009
2. Planning for the Nanoparticle Work Medical Register in NUS, 2009
3. Best practices in Occupational Health in the University setting, 2009
4. Establish mobile Occupational Health Services within NUS and outside NUS, 2009
5. Establish the Occupational Health management system for animal research facilities and helping to achieve AAALAC accreditation, 2009
6. Occupational Health case management for GE factories (oil and gas), 2009
7. Audiometric surveys and medical reviews for numerous Singapore factories, 2009
8. Occupational Health programme for research project involving the use of MPTP and non-human primates, 2009
9. Flu pandemic preparedness in local bank, 2008
10. Sharps Injury management and prevention in University setting, 2008
11. BSL3 and ABSL3 medical surveillance programme development and execution in the University setting, 2008
12. Pulmonary tuberculosis medical surveillance in the university setting, 2008
13. Occupational Health funding guidelines development in the university, 2008
14. Occupational health services capability development in the university setting, 2008
15. Occupational Health Programme development in a large tertiary hospital, 2007
16. Workplace health risk assessment in various healthcare settings eg general ward, medical records, call centre, operating theatre
17. Pulmonary tuberculosis outbreak and medical surveillance in the hospital setting, 2007
18. Respirator fit testing and fitness for respirators in healthcare workers, 2007
19. Infection control measures in the hospital, 2007
20. Occupational Health Programme for research laboratories, NUS, 2006
21. Statutory Medical Examinations for Factories, 2007
22. Consultant for Land Transport Authority for Compressed Air Works – conduct of Occupational Health and Safety Audits and review of Method Statements for Singapore Mass Rail Transit contracts, 2007
23. Respiratory Protection Programme for NUS researchers, 2007
24. Occupational Health Programme for animal care and husbandry within NUS, 2007
25. Medical Surveillance for Laboratories in NUS, 2007
26. Diving Health and Safety programmes in NUS Research divers, 2006
27. Health Hazards of Medical Students especially psychosocial evaluation, 2004
28. Health hazards of healthcare workers in a university hospital, 2004
29. Healthy lifestyle habits of medical students, 2004
30. Healthy lifestyle habits of healthcare workers in a university hospital, 2004
31. Hearing Profile of school-children and its impact on learning performance, 2003

32. Health of healthcare workers, 2003
33. Occupational Stress in Nursing Practice. 1995 - 1996
34. The Role of Salivary IgA as a biomarker of Occupational Stress. 1995 - 1996

#### *Military*

35. Assessing health risk of electromagnetic radiation onboard RSN ship, 2007
36. Sea trials of shift cycle modification among Navy ship crew, 2007
37. Evaluating effectiveness of sodalime curtains for submarines, 2007
38. Epidemiology of Barotrauma during Bounce Dives in the Navy, 2007
39. Epidemiology of Decompression Illness seen at Naval Hyperbaric Centre in last decade, 2006
40. Review of Carbon Monoxide Poisoning and HBOT outcomes in last decade, 2006
41. Occupational Health in Submariners, 2006
42. Vibration in Navy fast craft, 2006
43. Medical support for nuclear incidents in military base, 2005
44. Medical support for biological and chemical incidents during national events, 2005
45. Defining the Health of the Navy, 2005
46. Optimising medical selection and retention to Navy vocations, 2005
47. Weight Management Programme in Navy, 2005
48. Dental Fitness in Naval Divers, 2005
49. Occupational Health Concerns in Naval Ships, 2004
50. Banning Smoking in Naval Recruits – is it an effective control measure for the Navy? 2004
51. Occupational Health Concerns in Naval Bases, 2004
52. Fitness to sail guidelines in the Navy, 2004
53. Fitness to dive guidelines in the Navy, 2004
54. A review of medical requirements for all vocational groups in the Navy, 2004
55. Submarine Escape Training Medical Selection, 2004
56. Health Risk Assessment in Naval Personnel, 2004
57. Chlorination Procedures in swimming pools, 2004
58. Disease and injury epidemiology in naval divers, 2004
59. Motion sickness prophylaxis and treatment in the Navy and Police Coast Guard, 2004
60. Transdermal scopolamine – developing a more effective drug for motion sickness, clinical trial, 2004
61. Evaluating the safety of dive tables by Doppler, 2005
62. Circadian rhythm studies in naval ships, 2004
63. Health education clinics as a means of controlling obesity, smoking in the Navy, 2004
64. Indoor environmental quality and salivary biomarker, 2004
65. Indoor environmental quality in ships and its impact on health, 2004
66. Indoor environmental quality in a Singapore hospital and its impact on health, 2004
67. Indoor environmental quality in schools and its impact on school children, 2004
68. Influenza vaccination and its cost-effectiveness in the SAF, 2003
69. Mefloquine adverse effects in UN peacekeepers, 2003
70. Maloprim adverse effects and does it affect immunity, 2003
71. Identifying respiratory pathogens in recruits, 2003
72. Symptom syndrome surveillance – is it effective in detecting outbreaks in SAF? 2003
73. Heat disorders in the SAF, 2003
74. Assessing the impact of SARS control measures in preventing transmission of other infectious diseases, 2003
75. SAF infectious disease trends in the last decade 1992-2002, 2003

76. Serosurveillance for infectious diseases in UN peacekeepers, 2002
77. Serosurveillance for infectious diseases in jungle confidence training trainees, 2002
78. Obesity risk factors in SAF pre-enlistees, 2002
79. Smoking Cessation Clinics: an evaluation of effectiveness, 2001
80. Medical preparedness for humanitarian assistance, 2001
81. Occupational health and safety in a UN Level 3 Hospital, 2001
82. Asbestos exposure in East Timor – risk for Singaporean peacekeepers, 2001
83. Motion Sickness in RSN shipboard personnel, 2000
84. Varicella serosurveillance and prevalence in pre-enlistees, 2000-2
85. Audiogram survey of shipboard personnel in the RSN. 1999
86. Noise mapping in RSN warships. 1999
87. Trial of hearing defenders for optimal performance in RSN ships. 1999
88. Circadian rhythm studies in RSN shipboard personnel for optimal performance. 1999
89. Water portability testing kits for use in foreign ports. 1999
90. Telemedicine capability development in ships. 1999
91. Ship surgical facility for new RSN ships. 1999
92. Effects of sonar waves on health. 1999
93. Practical Testing of Oxygen Delivery Systems. 1998
94. Effects of shiftwork on ship board personnel on salivary melatonin and cortisol. 1998
95. The hearing patterns of engine room personnel in the RSN. 1998
96. The noise mapping of a new patrol vessel in the RSN. 1998
97. Knowledge base and referral pattern of GPs in Singapore in diving and hyperbaric medicine. 1998
98. Developing a model for RSN Medical Service for joint medical relief missions in rural countries. 1998

## **Previous Professional Appointments**

### *Non-Military*

1. Medical Advisor, Occupational Health and Safety Committee, National Skin Centre, Singapore 2004 – 2007
2. Temporary Medical Advisor, World Health Organisation for Occupational Health, 2001
3. Infectious Disease Task Force Member, Ministry of Environment, 2001-03
4. Member, Joint National Smoking Cessation Committee in setting national clinical policy guidelines, 2000-03
5. Member, National Interministerial Task Force for Hand-Foot-and Mouth Disease, 2000-03

### *Military*

6. Head Performance Maximisation Branch, Navy Medical Service, 2006- 2007
7. Head Naval Underwater Medicine Centre, Navy Medical Service, 2006 -2007
8. Head Naval Occupational Health Section, Navy Medical Service, 2006-2007
9. Head Naval Medicine and Hyperbaric Centre, Republic of Singapore Navy, 2004 – 2006
10. Head Preventive Medicine, SAF Medical Corps, 2000-2003
11. Head Fleet Medicine, Republic of Singapore Navy, 1998-2000
12. Head Diving Medicine, Republic of Singapore Navy, 1995-1996
13. Head Hyperbaric Medicine, Republic of Singapore Navy, 1995-1996
14. Member, JOINT Occupational Health Working Group, 2004-2007
15. Member, Medical Directive Secretariat, 2004-2007
16. Member, Naval Productivity and Quality Committee, 2004-2007
17. Member, Republic of Singapore Navy Safety Board, 2004- 2007

18. Dy Chairman, RSN Medical Services Organistational Excellence Committee (OSHAS 18001, Singapore Quality Class, People Developer, ISO 9001, Enhancing Value Organisation), 2004-2007
19. Dy Chairman, Safety Committee, RSN Medical Service, 2005
20. Member, MINDEF Healthy Lifestyle Steering Committee, 2004-2007
21. Secretariat, RSN Healthy Lifestyle Committee, 2004-2007
22. Secretariat, RSN Occupational Health Working Group, 2004-2007
23. Specialist Medical Advisor to Preventive Medicine Branch, HQ SAF Medical Corps, 2003–2007
24. Supervisor to SAF Public and Occupational Health Inspectorates, 2000-03
25. Secretariat JOINT Occupational Health Working Group, 2000-03
26. Secretariat SAF Health Education Coordination Committee, 2000-03
27. Specialist Medical Advisor to ARMY Occupational Health Working Group, 2000-03
28. Specialist Medical Advisor to REPUBLIC S'PORE NAVY (RSN) Occupational Health Working Group, 1997-03
29. Specialist Medical Advisor to REPUBLIC S'PORE AIRFORCE (RSAF) Occupational Health Working Group, 2000-03
30. Specialist Medical Advisor to SAF Malaria Task Force, 2000-03
31. SAF Medical Board Chairman, 1997-2007
32. Programme Manager, Disease Control and Prevention Working Group for Medical 21, 2000-2002
33. Project Manager, Medical Surveillance and Disease Registries for PACES 2, 2000-03
34. Coordinator and sponsor for Preventive Medicine research, 2000-03
35. Coordinator, lecturer and specialist advisor to SAF professional training courses including MINDEF Environmental Control Officers Course, SAF Occupational Health Course for Safety Officers, 1998-2003
36. Specialist Medical Advisor to MINDEF Life Cycle Management Committee, 2000-03
37. Specialist Medical Advisor to MINDEF Environmental Committee, 2000-2006
38. Hyperbaric Medicine Registrar, RSN, 1997-2006
39. Coordinator and lecturer to RSN professional medical training courses including Underwater Medical Officers Course, Underwater Medic Course, Naval Divers Course (Medical module), Submariners Preparatory Course, Compressed Air Works Course, 1995-2007

## **Publications - Journals**

### *Healthcare Workers*

1. V Ng, D Koh, G Chan, HY Ong and CN Ong. Stress and salivary IgA among female nurses. Proceedings of an International expert meeting on Women at Work. Helsinki, Finland, 10-12 Nov 1997. People and Work. Research Report 20. Finnish Institute of Occupational Health, Helsinki 1998. Pp 196-203
2. Ng V, Koh D, Chan G et al. Stress and salivary IgA among female nurses. In: Lehtinen S, Tiaskinen H, rantenien J (Eds). Proceedings of International Expert Meeting on women at work 10-12 Nov 97, Espoo, Finland. FIOH, Helsinki 1998;196-203
3. Ng V, Koh D, Chan G et al. Are salivary immunoglobulin A and Lysozyme Biomarkers of Stress among nurses? JOEM, 1999, 41(10);920-26
4. Y Yang, D Koh, V Ng, CY Lee, G Chan, F Dong, SH Goh, V Anantharaman, SE Chia. Self-perceived work-related stress and the relationship with salivary IgA and Isozyme among emergency department nurses. *Occup Environ Med*, 2002

5. Y Yang, D Koh, VNg, FCY Lee, G Chan, F Dong, SE Chia. Salivary cortisol levels and work-related stress among emergency department nurses. *J Occup Environ Med* 2001; 43:1011-1018
6. Chan G, Koh D. Reviewing the Lessons Learnt from SARS in planning for an Influenza Pandemic. *Int Maritime Health* 2006
7. G Chan, D Koh. Understanding the physical and psychosocial work environment of a Singapore Medical School. *SMJ*, 2007

#### *Occupational Medicine and Maritime Medicine*

8. Chan G, Koh D. The Ageing Worker. *Ann Acad Med, Singapore* 1997: Vol 26; pp 221-29
9. Chan G, Koh D, Tan V. Ageing and fitness to work. *JOM*, 2000.
10. Chan G. Book Review: Textbook of Occupational Medicine. Koh, Chia, Jeyaratnam Eds. *Ann Aca Med* 2002.
11. Koh D, Chan G: The Microelectronics Industry. *Journal of Occupational and Environmental Medicine*. 2003. Available on www.
12. Chan G, Wong YS. Defending Against SARS – The SAF SARS Diary. Supplement to *Pointer Journal*. Singapore Armed Forces. 2003
13. Chan G. Occupational Health in the Singapore Navy. *Int Maritime Health* 2006
14. Chan G. A comparison of motion sickness among sea-farers and non-seafarers – Singapore Navy experience. *Int Maritime Health* 2006
15. Shalini A, Chan G. Comparison of Alertness Levels in Ship Crew. *International maritime health*. 01/2009; 60(1-2):6-9.

#### *Diving and Hyperbaric Medicine*

16. Chan G, E Low, J Wong. A Survey of Diving Medicine and the Family Physician in Singapore. *The Singapore Family Physician*. 25(2)/Apr-Jun 1999:15-21
17. Chan G, E Low, J Wong. The Role of Diving Medicine in Family Practice. *SMJ* 2000.
18. Columnist for 'The Asian Diver' for 1996. Topics included:
  - Drugs and Diving, Decompression Sickness, Dental Issues in Diving, Pulmonary barotrauma and air-gas embolism

#### **Publications – Editor and founder of following SAF publications:**

1. *Epidemiology Weekly* 2002-4
2. *Environmental Health Monthly* 2003-4

#### **Publications - Books**

##### *Medical and Health-related*

1. *Occupational Stress in Nursing Practice, Singapore – MMED Dissertation, 1997*
2. Contributor to World Health Organisation's publication: Tee Guidottee, Ed: *Basic Occupational Health*. Oxford Press. In print (2010). The following chapters:
  - Clinical Evaluation of Occupational Diseases
  - Occupational Diseases
  - Biological Hazards at Work
3. Contributor to Ministry of Health's Clinical Guidelines for Smoking Cessation. 2002
4. Chan G. *My East Timor Field Guide for SAF Peacekeepers*. Singapore Armed Forces, 2001 (Restricted)

5. Chan G. Handbook for SAF Environmental Control Officers. Singapore Armed Forces, 2001 (Restricted)
6. Chan G (Ed). Preventive Medicine Guide for Operations Other Than War. Singapore Armed Forces, 2003 (Restricted)
7. Chan G. Medical Fitness to Dive – A Guide for the New Diver. OEHS, 2004
8. Chan G. Basic Diving Medicine – A Guide for the Recreational Diver. OEHS, 2005
9. Chan G. NUS Research Diving Safety Manual. National University of Singapore, 2007
10. Koh D, Chia KS (Eds). Textbook of Occupational Medicine. World Scientific (in press), 2010 – contributed Chapter on Diving Medicine
11. Chan G, Koh D and Lee LT (Eds). Occupational Health Practice in Singapore. OEHS, 2008 and contributor to the following chapters:
  - Health and Work
  - Practical Approach to Occupational Medicine
  - Occupational History
  - Prevention of Occupational Diseases
  - Occupational Health and Safety Management Systems
  - Chemicals at Work
  - Biological Hazards at Work

### **Reviewer for Scientific Journals**

1. Singapore Medical Journal (Singapore)
2. Annals of the Academy of Medicine (Singapore)
3. Journal of Occupational and Environmental Medicine (Japan)
4. International Maritime Health (Poland)
5. Industrial Health (Japan)
6. Malaysian Journal of Medical Sciences
7. Occupational and Environmental Medicine (United Kingdom)

### **Invited speaker for:**

- International Conference on Asbestos in Asian Countries (organised by the Finnish Institute of Occupational Health) – Special Report on Asbestos in East Timor, 2002 in Japan
- SARS and the Workplace Public Seminar (organised by the National Safety Council, Singapore) – Lessons Learnt from an Occupational Health and Safety Perspective, Aug 2003
- Meeting with the Thailand Medical Faculty (organised by the Ministry of Health, Singapore) – Occupational Health Practice in Singapore, Dec 2003
- Experiences in a UN Military Hospital, Timor Leste (organised by NUS), Mar 2004
- Workshop on Health of Healthcare Industry (organised by NUS) – Physical Work Environment of Healthcare Workers, Apr 2004
- Biological Warfare Control Programme (organised by US Pacific Command) – Lessons on Management of Emerging Diseases: SARS and Singapore, Sep 2004
- Occupational Health in the SAF, Military Medicine Conference, Jan 2005
- SARS and its Lessons for Singapore, Biosecurity in the Asia Pacific Conference, Hawaii, July 2005
- Medical Submarine Rescue and Escape Operations in Singapore Navy at Exercise Carat

Medical Exchange, 2006

- Navy Medical Services, 2<sup>nd</sup> Western Pacific MCMEX/DIVEX 2006, Lumut
- “Occupational Health and the Military” - RSAF Occupational Health Seminar, 2006
- “Health of Healthcare Workers” - 19<sup>th</sup> Asian Conference of Occupational Health, 2008
- “Indoor Air Quality and Modern Living” - National Healthcare Group Annual Scientific Meeting 2008
- Indoor Air Quality, FM 93.8, 2008
- “Working Safely in Compressed Air”, Singapore Tunnelling Society, 2009
- “What Makes an Effective Hearing Conservation Programme”, Republic of Singapore Navy, 2009
- “What WSHA Means to Me” – lecture to Singhealth Experimental Medicine, Centre, 2009

### **Training Courses**

1. Course manager for following courses:
  - RSN Naval Medical Officer’s Course that covers basic naval and underwater medicine
  - RSN Chamber Operators’ Course
  - DISSUB Medical Response Team training
  - Naval diver’s medical professional training
  - SAF Occupational Health Workshops for doctors and safety officers
2. NUS Undergraduate and Postgraduate Medical Education in Occupational Medicine, Public Health and Family Medicine.
3. Course Director for the National Occupational Medicine Training Programme, Singapore
4. Module Coordinator, Toxicology and Occupational Health for MSc (Safety, Health and Environment), NUS
5. Module Coordinator, Occupational Hygiene for MPH, NUS
6. Module Coordinator, Occupational Hygiene, Ethics and General Occupational Health for National Occupational Medicine Training Programme, MOH
7. NUS BSL 3 Training Course lecturer
8. SGH Teaching Faculty in the Singapore Hyperbaric and Underwater Medicine Course
9. Tutor for Responsible Care and Handling of Lab Animals for NUS and Singhealth
10. Developing and conducting a 3-day Occupational Health Workshop for the Navy
11. Developing and conducting Blood-borne Pathogen Training for NUS Medical School
12. Developing and conducting Personal Protective Equipment Training for NUS Faculties and Departments
13. CPR and AED instructor for NUS
14. Developing and conducting course on Respirator Use and Fit-Testing Training Programme for Multinational Company
15. Developing workshop Ergonomics for Office Health – for Multinational Companies
16. Developing talks on Lifestyle Diseases – for the Health Promotion Board
17. Developing and conducting NUS Diving First Aid Course for Research Divers
18. Developing and conducting NUS Field First Aid Course for field researchers in isolated environments
19. Developing and conducting Flu Pandemic Preparedness training – for Multinational Company
20. Involved in the organization of numerous scientific meetings and conferences in Occupational Health (eg Asian Conference of Occupational Health, International Commission of Occupational Health, OSHA), Occupational Hygiene

