

Associate Professor (ret'd) Michael Davis, MA,MB,BChir(Cantab),FRCA(Eng),FANZCA,Cert DHM, MD(Otago)



I was born and raised in Portsmouth, England, educated at Cambridge University (pre-clinical) and The Westminster Hospital Medical School (clinical). At Cambridge, I joined the university diving club and have remained a passionately keen diver for 53 years. Most of the first decade of my diving career was devoted to scientific diving with involvement in a variety of marine biological, diving medical and physical sciences research, including our undergraduate team winning the first ever Duke of Edinburgh Award for diving science in 1965. With plans to enter diving medicine, my professor of surgery advised me to obtain a specialty qualification first and so I trained in anaesthesia and intensive care medicine. For the next 35 years, the OR and ICU were the mainstream of my career, with diving medicine being what Enrico Camporesi once described to me as a “*saturday morning project*”. After working in Sweden and the USA, my family immigrated to New Zealand in the late 1970s and settled in Christchurch, where for 12 years I was Senior Lecturer in Anaesthesia at the Christchurch School of Medicine of the University of Otago. My MD thesis was based on a series of clinical studies of anaesthesia for emergency and elective hip surgery. From 1979, Christchurch had a recompression chamber, which we manned voluntarily and largely unpaid for the next 16 years. Then in 1996, a formal hyperbaric service was established, for which I was Medical Director until I retired from clinical practice in early 2009. Between 2004 and 2008, I was appointed Associate Professor of Medicine at the University of Auckland to deliver a level-7, distance-learning-based post-graduate diploma in diving and hyperbaric medicine which, sadly, is now in abeyance. I succeeded John Knight as Editor of the *SPUMS Journal* in 2002. This morphed into the *Diving and Hyperbaric Medicine (DHM) Journal* in 2007. Then in 2008, SPUMS and EUBS joined forces as joint publishers of DHM and I have remained as the Editor-in-Chief till now.

FRANCIS MICHAEL DAVIS, PUBLICATIONS

CONTRIBUTIONS TO BOOKS and COURSE BOOKS

1. Editorial Committee, *Science Diving International, Proceedings of the Scientific Symposium of the CMAS (World Federation for Underwater Activities) World Congress*, Editor-in-Chief, Fleming, NC. British Sub-Aqua Club/Underwater Association, London, 1973.
2. Editorial Committee and Medical Advisor. Fleming NC, editor-in-chief. *Code of Practice for Scientific Diving*, 1st and 2nd editions. London: Underwater Association/Natural Environment Research Council, 1972 and 1974.
3. Artificial Respiration. *British Sub-Aqua Club Diving Manual*, eighth edition. London: Riverside Press, 1975.
4. Osborne JP, Davis FM. Diver performance: Nitrogen narcosis and anxiety. In: Drew EA, Lythgoe JN, editors. *Underwater Research*. London: Academic Press, 1976.
5. Davis FM, Bevan J, Osborne JP, Williams J. Body temperature monitoring during diver performance experiments. In: Drew EA, Lythgoe JN, editors. *Underwater Research*. London: Academic Press, 1976.
6. Editorial Committee, *NZ National Standards & Guidelines for Basic Life Support*, Christchurch: National Heart Foundation of New Zealand, 1991–92.
7. Davis FM. The physiology of breath-hold diving. In: Gorman D, editor. *Diving & Hyperbaric Medicine*, 2nd ed. Adelaide: Royal Adelaide Hospital Hyperbaric Medicine Unit, 1993.
8. Davis FM. Hypothermia and hyperthermia. In: Gorman D, editor. *Diving & Hyperbaric Medicine*, 2nd ed. Adelaide: Royal Adelaide Hospital Hyperbaric Medicine Unit, 1993.
9. Davis FM. Near-drowning, drowning and loss of consciousness in divers. In: Gorman D, editor. *Diving & Hyperbaric Medicine*, 2nd ed. Adelaide: Royal Adelaide Hospital Hyperbaric Medicine Unit, 1993.
10. Davis FM. Carbon monoxide poisoning. In: Bennett MH, editor. *ANZHMG introductory course in diving and hyperbaric medicine*. Sydney: Prince of Wales Hospital; 2010. p. 167-174.
11. Davis FM. Breath-hold diving. In: Bennett MH, editor. *ANZHMG introductory course in diving and hyperbaric medicine*. Sydney: Prince of Wales Hospital; 2010. p. 227-240.
12. Davis FM. Drowning. In: Bennett MH, editor. *ANZHMG introductory course in diving and hyperbaric medicine*. Sydney: Prince of Wales Hospital; 2010. p. 264-272.

THESIS SUBMITTED FOR THE DEGREE OF DOCTOR OF MEDICINE, THE UNIVERSITY OF OTAGO

Anaesthesia for Hip Surgery

Comparative studies of spinal anaesthesia and general anaesthesia for elective total hip arthroplasty and internal fixation of fractures of the femoral neck in the elderly.

Accepted: 1988

REFEREED JOURNALS

1. Davis FM, Osborne JP, Baddeley AD, Graham IMF. Diver performance: Nitrogen narcosis and anxiety. *Aerospace Medicine*. 1972; 43: 1079-82.
2. Davis FM, Charlier RA, Saumarez R, Muller V. Some physiological responses to the stress of aqualung diving. *Aerospace Medicine*. 1972; 43: 1083-8.
3. Davis FM, Baddeley AD, Hancock T. Diver performance: The effect of cold. *Undersea Biomedical Research*. 1975; 2: 195-213.
4. Blackburn JP, Connor H, Davis FM, Greenwood TW, Marks P, Seelye HF. Measurement of PO₂ and PCO₂ of gases and liquids at 2Ata using externally pressurized electrodes. *Cardiovascular Research*. 1975; 9: 281-5.
5. Conway CM, Davis FM, Knight HJ, Leigh JM, Preston TD, Tennant R. An experimental study of gaseous homeostasis and the Magill circuit using low fresh gas flows. *Br J Anaesth*. 1976; 48: 447-54.
6. Davis FM, Parmelazhagan KN, Harris EA. Thermal balance during cardiopulmonary bypass with moderate hypothermia in man. *Br J Anaesth*. 1977; 59: 1127-32.
7. Davis FM. Radial artery cannulation: The influence of catheter size and material on arterial occlusion. *Anaesth Intens Care*. 1978; 5: 43-8.
8. Davis FM, Cornere B. Bacterial contamination of radial artery catheters. *NZ Med J*. 1979; 89: 128-30.
9. Davis FM, Stewart JM. Radial artery cannulation: A prospective study in patients undergoing cardiothoracic surgery. *Br J Anaesth*. 1980; 52: 41-7.
10. Davis FM, Laurenson VG, Quince M. Deep vein thrombosis and anaesthetic technique in emergency hip surgery. *Br Med J*. 1980; ii: 1528-9.
11. Davis FM, Barnes PK, Bailey JS. Aural thermometry during profound hypothermia. *Anaesth Intens Care*. 1981; 9: 124-8.
12. Davis FM, Laurenson VG. Spinal anaesthesia or general anaesthesia for emergency hip surgery in elderly patients. *Anaesth Intens Care*. 1981; 9: 352-8.

13. Davis FM, Judson J. Peritoneal dialysis in the management of accidental hypothermia: Report of five cases. *NZ Med J*. 1981; 94: 207-9.
14. Gibbs JM, Johnson H, Davis FM. Patient administration of intravenous buprenorphine for postoperative pain relief using the Cardiff demand analgesia apparatus. *Br J Anaesth*. 1982; 54: 279-84.
15. Chisholm RJ, Davis FM, Billings JD, Gibbs JM. Narcotics and spasm of the sphincter of Oddi. A retrospective study of operative cholangiograms. *Anaesthesia*. 1983; 38: 689-91.
16. Seagar AD, Gibbs JM, Davis FM. Interpretation of venous occlusion plethysmographic measurements using a simple model. *Med Biol Eng Comput*. 1984; 22: 12-8.
17. Foate JA, Horton H, Davis FM. Lower limb blood flow during transurethral resection of the prostate gland under spinal or general anaesthesia. *Anaesth Intens Care*. 1985; 13: 383-6.
18. Laurenson VG, Davis FM. An adverse reaction to chlormethiazole. *Anaesth Intens Care*. 1985; 13: 438-9.
19. Laurenson VG, MacFarlane M, Davis FM. Negative pressure drainage after craniotomy. *Neurosurgery*. 1985; 17: 868.
20. Hickling KG, Downward G, Davis FM, A'Court G. Management of severe ARDS with low frequency positive pressure ventilation and extracorporeal CO₂ removal. *Anaesth Intens Care*. 1986; 14: 79-83.
21. Gibson AJ, Davis FM. Hyperbaric oxygen in the management of Clostridium perfringens infections. *NZ Med J*. 1986; 99: 617-9.
22. Davis FM, McDermott E, Hickton C et al. The influence of spinal and general anaesthesia on haemostasis during total hip arthroplasty. *Br J Anaesth*. 1987; 59: 561-71.
23. Davis FM, Laurenson VG, Lewis J. et al. The metabolic response to total hip arthroplasty under hypobaric spinal or general anaesthesia. *Br J Anaesth*. 1987; 59: 725-9.
24. Davis FM, Graves M, Guy H. et al. Carbon dioxide responses and breath-hold times in underwater hockey players. *Undersea Biomedical Research*. 1987; 14: 527-34.
25. Davis FM, Woolner D, Frampton C, et al. A prospective multicentre trial of mortality following general or spinal anaesthesia for hip fracture surgery in the elderly. *Br J Anaesth*. 1987; 59: 1080-8.
26. Sinton AM, Seagar AD, Davis FM. Automated venous occlusion plethysmography. *Med Biol Eng Comput*. 1988; 26: 295-302.
27. Williams T, Wilkinson A, Davis FM, Frampton C. Transdermal hyoscine and diver performance. *Undersea Biomedical Research*. 1988; 15: 89-98.
28. Davis FM, Ewer T. Acute cyanide poisoning: Successful use of hyperbaric oxygen. *J Hyperbaric Medicine*. 1988; 3: 103-6.
29. Gorman DF, Mitchell P, Unsworth IP, Davis FM, Gibbs JM. The Experts Opine: Hyperbaric oxygen in the treatment of carbon monoxide poisoning. *Survey of Anaesthesiology*. 1989; 33: 332-6.
30. Gibson AJ, Davis FM, Wilkinson AR. Assessment of the PneuPac™ HC hyperbaric ventilator. *SPUMS Journal*. 1989; 19: 172-6.
31. Davis FM, Laurenson VG, Gillespie WJ. et al. The effect of spinal or general anaesthesia on deep vein thrombosis following total hip arthroplasty. *J Bone Joint Surg (Br)*. 1989; 71-B: 181-5.
32. Davis FM, Laurenson VG, Gillespie WJ, Foate J, Seagar AD. Leg blood flow during total hip replacement under spinal anaesthesia or general anaesthesia using venous occlusion plethysmography. *Anaesth Intens Care*. 1989; 17: 136-43.
33. Wilkinson A, Frampton C, Davis FM, Glover P. Pre-operative transdermal hyoscine for the prevention of post-operative nausea and vomiting. *Anaesth Intens Care*. 1989; 17: 285-9.
34. Davis FM, Glover PW, Maycock E. Hyperbaric oxygen for cerebral arterial air embolism occurring during Caesarean section. *Anaesth Intens Care*. 1990; 18: 403-5.
35. Gibson AJ, Davis FM, Ewer T, McGeoch G. Delayed hyperbaric oxygen therapy for carbon monoxide intoxication – two case reports. *NZ Med J*. 1991; 104: 64-5.
36. King SY, Davis FM, Wells JE, Murchison DJ, Pryor PJ. Lidocaine for the prevention of pain due to injection of propofol. *Anesth Analg*. 1992; 74: 246-9.
37. Davis FM. Anaesthesia for major orthopaedic surgery in the elderly. *Current Opinions in Anaesthesia & Intensive Care*. 1992; 3: 193-9.
38. Richardson K, Mitchell S, Davis M, Richards M. Decompression illness in New Zealand divers: The 1996 experience. *SPUMS Journal*. 1998; 28: 50-5.
39. Thacker MA, Davis FM. Subsequent general anaesthesia in patients with a history of previous anaphylactoid/anaphylactic reaction to muscle relaxant. *Anaesth Intens Care*. 1999; 27: 190-3.
40. Davis FM, Warner M, Ward B. Snorkelling and scuba deaths in New Zealand, 1980-2000. *SPUMS Journal*. 2002; 32: 70-80.
41. Hughes MJ, Davis FM, Mark SD, Spearing RL. Hyperbaric oxygen for cyclophosphamide-induced cystitis. *Br J Haematol*. 2002; 119: 575.
42. Davis FM. Eosinophilic meningitis presenting as decompression sickness. *SPUMS Journal*. 2002; 32: 185-6.
43. Davis FM. Decompression sickness in a 14-year-old diver. *SPUMS Journal*. 2003; 33: 75-6.
44. Davis FM. An element of doubt. *SPUMS Journal*. 2003; 33: 187-91
45. McGeoch G, Davis FM, Fletcher L. The effects on performance of cyclizine and pseudoephedrine during dry chamber dives breathing air to 30 metres' depth. *SPUMS Journal*. 2005; 35: 178-82.
46. Davis FM. Acute pulmonary oedema in a hypertensive snorkel swimmer. *SPUMS Journal*. 2005; 35: 209-10.
47. McGeoch G, Davis FM. Analysis of a complex scuba diving accident: French Pass, New Zealand, 2000. *Diving and Hyperbaric Medicine*. 2009; 39: 20-8.
48. Gibson AJ, Davis FM. Hyperbaric oxygen therapy in the treatment of post cardiac surgical strokes – a case series

- and review of the literature. *Anaesth Intens Care*. 2010; 38: 175-84.
49. Davis M, MacDonald H, Sames C, Nand K. Severe cyclophosphamide-induced haemorrhagic cystitis treated with hyperbaric oxygen. *NZ Med J*. 2011; 124: 48-54.
 50. Smart DR, Sage M, Davis FM. Two fatal cases of immersion pulmonary oedema – using dive accident investigation to assist the forensic pathologist. *Diving Hyperb Med*. 2014; 44: 97-100.

NON-REFEREED ARTICLES; LETTERS AND ABSTRACTS

1. Conway CM, Davis FM, Leigh JM, Preston TD. On the performance of the Magill Circuit. *Proceedings of the Fourth European Anaesthesia Congress*, Madrid 1974 (Abstract).
2. Davis FM. Immersion hypothermia in scuba diving. *New Zealand J Sports Med*. 1976; 4(2): 3-12. Also published (by invitation) in: Gamble JC, editor. *Progress in Underwater Science*. London: New Series of the Report of the Underwater Association Vol. 3, 1978.
3. Davis FM. Scuba and hypothermia. *Patient Management*. 1978; 7(12): 64-70.
4. Davis FM. First aid management of diving emergencies. Proceedings of the joint SPUMS Underwater Medicine Conference, Singapore, *SPUMS Journal*. 1981; 11(Suppl): 63-7.
5. Davis FM. New hyperbaric facilities in Christchurch, New Zealand. Proceedings of the joint SPUMS Underwater Medicine Conference, Singapore, *SPUMS Journal*. 1981; 11(Suppl): 73-5.
6. Davis FM. Methods of radial artery cannulation and subsequent arterial occlusion (letter). *Anaesthesiol*. 1982; 56: 331.
7. Davis FM, Darlow B. Accidental hypothermia. *Patient Management*. May 1983: 87-99.
8. Murchison DJ, Gibbs JM, Davis FM, Maycock EJ. Epidural buprenorphine (letter). *Anaesth Intens Care*. 1984; 12: 179.
9. King S, Davis FM. Infusion fluid warming (letter). *Anaesth Intens Care*. 1985; 13:440.
10. Davis FM, Frampton C, Wells JE. Anaesthesia and outcome of surgery for fractured neck of femur (letter). *Br J Anaesth*. 1990; 64: 403-4.
11. Davis FM. Hyperbaric medicine in Christchurch, New Zealand 1979-1988. *SPUMS Journal* 1990; 20: 49-54.
12. Davis FM. Breath-hold diving. *SPUMS Journal*. 1990; 20: 176-85.
13. Laurenson VG, Davis FM, Ling N. Nitrous oxide enhancement of the effects of pulmonary emboli. *Proceedings of the General Scientific Meeting, Faculty of Anaesthetists of R.A.C.S.*, Wellington, 1990.
14. Davis FM. Technical diving and diver performance – a personal perspective. *SPUMS Journal*. 1996; 26: 273-7.
15. Gorman D, Richardson D, Davis M, Moon R, Francis J. The SPUMS policy on the initial management of diving injuries and illnesses. *SPUMS Journal*. 1997; 27: 193-6.
16. Davis FM. Haemostatic changes during total knee arthroplasty with different anaesthetics (letter). *Br J Anaesth* 1998; 80: 126.
17. Davis FM. Oxygen therapy equipment: A theoretical review. *SPUMS Journal* 1998; 28: 165-172.
18. Davis FM. First aid for diving emergencies: Does the diagnosis matter? *SPUMS Journal* 1998; 28(Suppl): 2-4.
19. Davis FM, Walker R. Decompression illness in a tropical resort. *SPUMS Journal* 2003; 33: 46-48.
20. Davis M. A review of the British Thoracic Society guidelines on respiratory aspects of fitness for diving. *SPUMS Journal*. 2004; 34: 145-9.
21. Davis M, Malcolm K. Accident rates at a busy diving centre. (letter) *Diving Hyperb Med*. 2008; 38: 104.

Other published abstracts from meetings are listed under ‘Major Presentations’.

OTHER PUBLICATIONS & EDUCATIONAL ACTIVITIES

1. Davis FM, Bagshaw P. Guidelines for enteral & parenteral nutrition. Canterbury Hospital Board (1st edition) & Canterbury Area Health Board, 2nd edition, 1987.
2. Davis FM. Anaesthesia for hip surgery. convenor & editor, CECANZ Teleconference Proceedings, CECANZ/ASTRA publication, 1990.
3. Davis FM. The changing face of anaesthesia in the public health system, 1974-1990. Editor, Department of Anaesthesia, Canterbury Area Health Board & The Christchurch School of Medicine.
4. Davis FM. Hyperbaric procedures manual. Hyperbaric Medicine Unit, Christchurch Hospital, 1996; 2nd edition, 1997; 3rd edition, 2002; 4th edition 2008.

EDITORIALS, *DIVING AND HYPERBARIC MEDICINE* (FORMERLY *SPUMS JOURNAL*)

1. Davis M. The Editor's offering. *SPUMS Journal*. 2002; 32: 121-3.
2. Davis M. The Editor's offering. *SPUMS Journal*. 2002; 32: 177-8.
3. Davis M. The Editor's offering. *SPUMS Journal*. 2003; 33: 1.
4. Davis M. The Editor's offering. *SPUMS Journal*. 2003; 33: 61.
5. Davis M. The Editor's offering. *SPUMS Journal*. 2003; 33: 121.
6. Davis M. The Editor's offering. *SPUMS Journal*. 2003; 33: 181.
7. Davis M. The Editor's offering. *SPUMS Journal*. 2004; 34: 1.
8. Davis M. The Editor's offering. *SPUMS Journal*. 2004; 34: 61.
9. Davis M. The Editor's offering. *SPUMS Journal*. 2004; 34: 117.
10. Davis M. The Editor's offering. *SPUMS Journal*. 2004; 34: 177.
11. Davis M. The Editor's offering. *SPUMS Journal*. 2005; 35: 1.
12. Davis M. The Editor's offering. *SPUMS Journal*. 2005; 35: 57.
13. Davis M. The Editor's offering. *SPUMS Journal*. 2005; 35: 117.
14. Davis M. The Editor's offering. *SPUMS Journal*. 2005; 35: 177.
15. Davis M. The Editor's offering. *Diving and Hyperbaric Medicine*. 2006; 36: 1.
16. Davis M. The Editor's offering. *Diving and Hyperbaric Medicine*. 2006; 36: 61.
17. Davis M. The Editor's offering. *Diving and Hyperbaric Medicine*. 2006; 36: 121.
18. Davis M. The Editor's offering. *Diving and Hyperbaric Medicine*. 2006; 36: 173.
19. Davis M. The Editor's offering. *Diving and Hyperbaric Medicine*. 2007; 37: 1.
20. Davis M. The Editor's offering. *Diving and Hyperbaric Medicine*. 2007; 37: 57.
21. Davis M. The Editor's offering. *Diving and Hyperbaric Medicine*. 2007; 37: 117.
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23. Davis M. The Editor's offering. *Diving Hyperb Med*. 2008; 38: 1.
24. Davis M. The Editor's offering. *Diving Hyperb Med*. 2008; 38: 61.
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26. Davis M. The Editor's offering. *Diving Hyperb Med*. 2008; 38: 181.
27. Davis M. The Editor's offering. *Diving Hyperb Med*. 2009; 39: 1.
28. Davis M. The Editor's offering. *Diving Hyperb Med*. 2009; 39: 61.
29. Davis M. The Editor's offering. *Diving Hyperb Med*. 2009; 39: 125.
30. Davis M. The Editor's offering. *Diving Hyperb Med*. 2009; 39: 189.
31. Davis M. The Editor's offering. *Diving Hyperb Med*. 2010; 40: 1.
32. Davis M. The Editor's offering. *Diving Hyperb Med*. 2010; 40: 61.
33. Davis M. The Editor's offering. *Diving Hyperb Med*. 2010; 40: 113.
34. Davis M. The Editor's offering. *Diving Hyperb Med*. 2010; 40: 181.
35. Davis M. The Editor's offering. *Diving Hyperb Med*. 2011; 41: 1.
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37. Davis M. The Editor's offering. *Diving Hyperb Med*. 2011; 41:117
38. Davis M. The Editor's offering. *Diving Hyperb Med*. 2011; 41:181
39. Davis M. The Editor's offering. *Diving Hyperb Med*. 2012; 42:1
40. Davis M. The Editor's offering. *Diving Hyperb Med*. 2012; 42:65
41. Davis M. The Editor's offering. *Diving Hyperb Med*. 2012; 42:125
42. Davis M. The Editor's offering. *Diving Hyperb Med*. 2012; 42:193.
43. Davis M. The Editor's offering. *Diving Hyperb Med*. 2013; 43:1.
44. Davis M. The Editor's offering. *Diving Hyperb Med*. 2013; 43:61.
45. Davis M. The Editor's offering. *Diving Hyperb Med*. 2013;43:129.
46. Davis M. The Editor's offering. *Diving Hyperb Med*. 2013;43:193.
47. Davis M. The Editor's offering. *Diving Hyperb Med*. 2014;44:121.
48. Davis M. The Editor's offering. *Diving Hyperb Med*. 2015;45:145.
49. Davis M. The Editor's offering. *Diving Hyperb Med*. 2015;45:217.
50. Davis M. The Editor's offering. *Diving Hyperb Med*. 2016;46:1.

SOME PRESENTATIONS

A. Anaesthesia and intensive care

1. 1974, Techniques of blood gas analysis and acid-base balance. Clinical Measurement Course, Westminster Hospital, London
2. 1975, The physiology and management of accidental hypothermia. U.S. Naval Medical Centre, Bremerton, Washington, USA (invited speaker)
3. 1977, Radial artery cannulation. Combined NZSA/ASA Meeting, Christchurch
4. 1977, Preoperative fluid and electrolyte therapy. Combined NZSA/ ASA Meeting, Christchurch (invited speaker)
5. 1977, B-blockers in anaesthesia. Combined NZSA/ASA Meeting, Christchurch (invited speaker)
6. 1978, Radial artery cannulation. 1st New Zealand Symposium of Intensive Care Medicine, Auckland (invited speaker)
7. 1980, Warmed peritoneal dialysis in the management of accidental hypothermia. 3rd NZ Intensive Care Symposium, Hamilton
8. 1980, Anaesthetic management of pheochromocytoma. AGM, Australian Society of Anaesthetists, Sydney
9. 1980, Comparison of spinal and general anaesthesia in geriatric emergency hip surgery. AGM, Australian Society of Anaesthetists, Sydney
10. 1981, Anaesthesia for emergency hip surgery - regional or general? CANZ, Wellington
11. 1982, The pathophysiology of near-drowning. 6th AACA, Auckland (invited speaker)
12. 1982, Calf blood flow during total hip replacement surgery - preliminary observations. NZ Orthopaedic Society Meeting, Christchurch
13. 1983, Epidural blockade during surgery - thromboembolic changes. NZSA Postgraduate Education Seminar "Epidural Anaesthesia and Analgesia", Rotorua, February (invited speaker)
14. 1983, Epidural anaesthesia - application in orthopaedic surgery. NZSA Postgraduate Education Seminar "Epidural Anaesthesia and Analgesia", Rotorua, February (invited speaker)
15. 1983, Anaesthesia for orthopaedic surgery - fractured neck of femur. RACS, Faculty of Anaesthetists, 56th GSM, Hong Kong (invited speaker).
16. 1983, Severe accidental hypothermia. RACS 56th GSM, Hong Kong
17. 1983, Calf blood flow during total hip replacement. RACS 56th GSM, Hong Kong
18. 1984, Physicians and the nuclear arms race. CANZ, Wellington
19. 1984, Haematological consequences of hip surgery. CANZ, Wellington
20. 1984, Spinal anaesthesia for hip surgery. Regional Faculty Meeting, RACS, Melbourne, and Astra Pharmaceuticals Current Trends in Spinal Anaesthesia Seminar, Sydney (invited short lecture tour hosted by Astra Pharmaceuticals).
21. 1985, Anaesthesia and DVT. Thromboembolism Symposium, Auckland (invited speaker)
22. Anaesthesia and mortality following emergency hip surgery. RACS, Faculty of Anaesthetists GSM, Adelaide, 1986.
23. 1987, Anaesthesia for total hip arthroplasty. Department of Anesthesiology, Duke University Medical Center, NC, USA (invited speaker)
24. 1987, Anaesthesia for emergency hip-fracture surgery. Department of Anaesthesia, Royal Adelaide Hospital, Adelaide (invited speaker)
25. 1988, Transdermal hyoscine premedication for the prevention of postoperative nausea and vomiting. CANZ, Tauranga
26. 1988, Drowning and near-drowning: Epidemiology and management. 6th Asia Pacific Life Saving Council Conference, New Zealand (invited speaker)
27. 1989, Leg blood flow during total hip replacement. Seminar on Anaesthesia for Hip Surgery, Association of Anaesthetists of Great Britain and Ireland, London (invited speaker)
28. 1990, Lignocaine for the prevention of pain due to injection of propofol. Canterbury Medical Research Society, Christchurch
29. 1991, Laboratory simulation of a West Coast anaesthetic death. ARGONZ Seminar, Auckland
30. 1991, Day surgery. NZ Obstetrical & Gynaecological Society Conference, Christchurch (invited speaker)
31. 1992, Current status of regional anaesthesia for major orthopaedic surgery in the elderly. CECANZ Single Theme Meeting, Napier (invited speaker)
32. 1994, Aquatic Emergencies – Drowning, hypothermia and diving accidents. Conference of Rural General Practitioners, Christchurch (invited speaker)
33. 1995, Anaesthesia for fractured neck of femur in the elderly. CANZ, Palmerston North (invited speaker)

B. Diving & hyperbaric medicine and physiology

1. 1971, Underwater biomedical instrumentation. Half-day seminar for Society of Underwater Technology Summer Course, Birmingham, England(invited speaker)
2. 1971, The effects of anxiety on diver performance. Underwater Association Symposium, London
3. 1971, Body temperature monitoring during open-water diving. Underwater Association Symposium, London
4. 1973, The effects of cold on diver performance. 3rd International Scientific Symposium, CMAS, London

5. 1974, Stress factors in open water diving. Royal Navy Advanced Diving Medicine Course, Royal Naval Medical Institute, Alverstoke (invited speaker)
6. 1974, Memory underwater. Underwater Association Symposium, Aberdeen (invited speaker)
7. 1976, Immersion hypothermia in scuba diving. New Zealand Sports Medicine Federation, Underwater Medicine Seminar, Auckland (invited speaker)
8. 1978, Divers ills – causes & first aid treatment. Fisheries Research Division Seminar, Ministry of Agriculture & Fisheries
9. 1980, Use of a "Decision Flow Chart" in first aid teaching for divers. Underwater Medicine Conference, SPUMS and Singapore Navy, Singapore
10. 1981, Monitoring in a hyperbaric environment. CANZ, Wellington (invited speaker)
11. 1986, Transdermal hyoscine and diver performance. SPUMS ASM, Moorea
12. 1986, Carbon dioxide responses in underwater hockey players. SPUMS ASM, Moorea
13. 1987, Scopoderm and diver performance. MRC Applied Psychology Unit, Cambridge, England
14. 1987, The physiology of breath-hold diving. Edwin Hall Laboratory for Environmental Medicine, Duke University Medical Center
15. 1989, Hyperbaric medicine in Christchurch, 1979-88. ASM, SPUMS, Vanuatu (invited speaker)
16. 1989, The physiology of mammalian breath-hold diving. ASM, SPUMS, Vanuatu (invited speaker)
17. 1989, Diving for the handicapped, a personal medical perspective. SPUMS ASM, Vanuatu (invited speaker)
18. 1989, Performance evaluation of the PneuPac hyperbaric ventilator. SPUMS ASM, Vanuatu (invited speaker)
19. 1996, Technical diving and diver performance – a personal perspective. SPUMS ASM, The Maldives
20. 1997, Diving first aid. Does the diagnosis matter? SPUMS ASM, Pahia, New Zealand
21. 1997, Oxygen therapy equipment – a theoretical overview. SPUMS ASM, Pahia, New Zealand
22. 1997, Hyperbaric oxygen in critical care: clinical applications. ANZCA ASM, Christchurch (invited speaker)
23. 1999, Hyperbaric oxygen in urological practice. Urology Special Interest Group ASM, Christchurch, (invited speaker)
24. 2001., New Zealand diving drownings, 1980-2000. SPUMS ASM, Madang, PNG
25. 2001, Management of diving accidents. The Cook Island Health Conference “Trauma and Pacific health issues, Rarotonga, Cook Islands (invited speaker)
26. 2001, Pathophysiology and management of near drowning. The Cook Island Health Conference “Trauma and Pacific health issues, Rarotonga, Cook Islands (invited speaker)
27. 2002, Rats, snails and decompression illness – a case report. SPUMS ASM, Port Vila, Vanuatu
28. 2003, An element of doubt: four divers with neurological symptoms. SPUMS ASM, Kuror, Palau
29. 2004, Snorkelling and scuba diving deaths in NZ 1980-2000. The Conference of the New Zealand Resuscitation Council, Wellington (invited speaker)
30. 2004, First aid management of scuba diving emergencies. (invited speaker) The Conference of the New Zealand Resuscitation Council, Wellington (invited speaker)
31. 2005, The effects on performance of cyclizine and pseudoephedrine during dry chamber dives breathing air to 30 metres’ depth. SPUMS ASM, The Maldives
32. 2005, Acute pulmonary oedema in a hypertensive snorkel swimmer. SPUMS ASM, The Maldives
33. 2006, The physiology of breath-hold diving – an update. SPUMS ASM, Fiji (invited speaker)
34. 2006, Oxygen resuscitation equipment for diving accidents – an update. SPUMS ASM, Fiji (invited speaker)
35. 2007, Hyperbaric oxygen therapy for cyclophosphamide-induced haemorrhagic cystitis: report of six cases. SPUMS ASM, New Zealand and Undersea and Hyperbaric Medical Society ASM, Hawaii
36. 2007, The Gates of Hell. SPUMS ASM, New Zealand, 2007 and British Hyperbaric Association, Oban
37. 2007, Combining the SPUMS and EUBS journals. (invited speaker, with Peter Mueller). European Undersea Biomedical Society ASM, Sharm El Sheikh
38. 2007, The dissolute life of a diving doctor – an almost-half century journey. Hyperbaric Technicians and Nurses Association ASM, Adelaide and British Hyperbaric Association, Oban (invited speaker)
39. 2007, Hyperbaric safety – one physician’s perspective. Hyperbaric Technicians and Nurses Association ASM, Adelaide (invited speaker)
40. 2007, Delay to treatment of divers in New Zealand with decompression illness. British Hyperbaric Association, Oban (invited speaker)
41. 2008, Hyperbaric medicine. Frontiers in Medicine and Surgery Conference, Wakefield Hospital, Wellington (invited speaker)
42. 2009, The future of the diving and hyperbaric medicine literature. SPUMS ASM, Vanuatu (invited speaker)
43. 2009, Predictors of anxiety and coping during hyperbaric oxygen therapy (HBOT). Hodge R (presenter), Davis M, Surgenor L, Blampied N. New Zealand Psychology Society Meeting
44. 2010, Extreme breathhold diving. Australian and New Zealand College of Anaesthetists Annual Scientific Meeting, Christchurch (invited speaker)
45. 2012, The best l’il Journal in the West! SPUMS ASM, Madang, Papua New Guinea