

MEDEX Research Projects 1992 - 2012

Yr	Title	Researchers
1994	Changes in Spirometry at Altitude	Andy Pollard, Nick Mason, Pete Barry, R Frazer, David Collier, Jim Milledge
	Does Hypoxic Vasoconstriction predict risk of High Altitude Pulmonary Oedema (HAPE)?	Andy Peacock, Anthony Nathan, Martin Giles, David Collier
	Can simple measurements predict day-to-day Performance at Altitude?	David Collier, Andy Pollard
	Respiratory Defence – Muco-ciliary clearance at Altitude	Pete Barry
	Respiratory Defence at Altitude	Pete Barry
	Heart Rate Variability and Autonomic Tone at Altitude	Nick Mason, Pete Barry
	Balance and Auditory Function at High Altitude	Martin Rosenberg, Cath Collier, Jonathan France
	Blood Pressure at High Altitude	David Collier
	Endothelin and High Altitude Pulmonary Oedema (HAPE)	David Webb, Pete Barry
	Control of Breathing at Altitude	David Collier, Annabel Nickol, Chris Wolff, A. Datta, Isla Martin, Pete Pollard, Cath Collier, Jim Milledge
	Visual Function at Altitude	Diana Depla, Angela Fry, Fred Fitzke, G Arden
	Do Benzodiazepine sleeping Tablets improve or impair Oxygen Levels at Altitude?	Gerald Dubowitz
	Intestinal Absorbtion at Altitude	Gerald Dubowitz, Simon Travis
	Does Benzolomide prevent Acute Mountain Sickness?	John Nathan, David Collier, Eric Swenson, Jim Milledge
	Disposal of Human Waste	David Swift, Colin Clark, Steve Archibald, Pete Pollard, Ken Stewart, Martin Hadlington
1998	Dietary Nitrate and Travellers Diarrhoea	David Collier, Nigel Benjamin
	Control of Breathing at High Altitude	David Collier, Annabel Nickol, Jim Milledge, Chris Wolff, Henriette van Reutien,
	Cardiac Output at Rest and during Exercise at Altitude	Chris Wolff, David Collier, Gavin Donaldson, David Band,
	Bronchial Reactivity and Exposure to High Altitude	Kate Wilson, Sarah Bakewell, Nigel Hart, Roger McMorrow, David Collier, Martin Miller, Peter Barry, Andrew Pollard,
	Visual Movement Detection at Altitude	Diana Depla, Mark Howarth,
	Parasympathetic Nervous System (PNS) in the Eye at Altitude	Diana Depla, Mark Howarth,
	Allergic Reaction at Altitude	Fleming Carswell
	Acupuncture and Acute Mountain Sickness(AMS)	Paul Richards,
	Migraine and AMS	David Murdoch, Andrew Pollard
	Nitric Oxide Production in the Body at Altitude	Pablo Forte, David Collier, Nigel Benjamin
	Judgement of the Vertical at Altitude	Martin Rosenberg, David Collier,
	Body Sway and Visual Cues at High Altitude	Martin Rosenberg, Cath Collier, David Collier
	Respiratory Infections in High Altitude Trekkers	Lance Jennings, Warren Dellow, David Murdoch, Andrew Pollard,
	Cough Threshold	Peter Barry, Sarah Bakewell, Nigel Hart, Roger McMorrow, Kate Wilson
	Endothelin	David Webb, Nick Cruden, David Newby
	Nasal Moistening and the Upper Airway	Peter Barry, Sarah Bakewell, Nigel Hart, Roger McMorrow, Kate Wilson
	Airway Temperature at Altitude	Peter Barry, Sarah Bakewell, Nigel Hart, Roger McMorrow, Kate Wilson
	Effects of Sleeping Tablets and Oxygenation at Altitude	Gerald Dubowitz
	Oxygen Apparatus testing	Rainald Fischer
	Weight loss, Gender and Appetite at Altitude	David Collier, Andrew Pollard

	Closing Volumes at High Altitude	Nick Mason
	Free-Radicals and Amino Acid Metabolism at Altitude	Damian Bailey
	Hormones and Altitude	Matthias Tschoep
	Inspiratory Muscle Training and Function during Acclimatisation	Lee Romer & Alison McConnell
	Pulmonary Haemodynamics at Altitude using Echo Doppler	Gerald Dubowitz
	Effects of Altitude on Female Hormones	Debby Miller
	Effects of Gender, Hormonal Contraceptives, and Menstrual Cycle on Breathing at Altitude	Debby Miller
	Effects of Gender, Hormonal Contraceptives, and Menstrual Cycle on AMS	Debby Miller
2003	Oxygen delivery whilst resting and exercising at high Altitude	Stuart McCorkell, Daniel Martin, Michael Grocott, Christopher Wolff, David Collier
	Cardiac Output at Rest and during Exercise at Altitude	Chris Wolff, Lisa Handcock, Alex Truesdell, David Collier
	Non-invasive assessment of cardiac function during acclimatisation to high altitude	Gerald Dubowitz
	Glyceroltrinitrate (GTN) as a predictor of acute altitude sickness	Roger McMorrow, Nigel Hart, Neil Richardson, Oliver Kemp
	Cerebral blood flow and Oxygen uptake pre and post GTN	Roger McMorrow, Nigel Hart, Neil Richardson, Oliver Kemp
	Cerebral perfusion at high altitude	Chris Imray, Kyle Pattinson, Alice Brockington
	Sleep disruption at high altitude and its influence on next day vigilance and cognition	Annabel Nickol, Paul Richards, Gerald Dubowitz, Juliette Leverment, Tracey Hughes, Phillipa Seal, James Anholm, Jim Milledge
	The actigraphic assessment of quality of sleep during ascent to high altitude	Michael Schupp, Chris Hanning
	Cognitive functioning at high altitude and its relationship to sleep disturbance	Jennifer Cleland, Greg Harris, Annabel Nickol
	Effect of the parasympathetic nervous system on increased resting bronchial tone seen at altitude	Catherine Wilson, Michelle White, M.R. Miller
	Heart rate variability at high altitude	Mireille Baart, Mark Dayer, Paul Richards, Mary Morrell, Annabel Nickol
	Alterations in respiratory ion transport at high altitude	Nick Mason, Ali Mynett, Katja Ruh
	Is a prolonged period of exercise an effective method of sustained weight reduction?	Sandra Green, Catherine Quinn, Don Paterson, Eli Silber, David Collier
	ACE Genotype, hypoxic ventilatory response, peripheral muscle strength and body morphology at high altitude	Giorgos Tsianos, Annabel Nickol, Stephan Saunders, Matt Litchfield, Hugh Montgomery
	The effects of altitude and acclimatisation on retinal function	Daniel Morris, Diana Depla, Rupert Bourne
	Electron paramagnetic resonance spectroscopic detection of free radicals at high altitude; pulmonary strategies for antioxidant defence	Damian M. Bailey, Axel Kleinsasser, John West, Bruce Davies, Ian Young
2008	Sound, Hearing and Balance	Emma Stapleton, Robert Mills
	Effects of low Oxygen on Infection at Altitude	Doug Thake, Sven Dietrich, Jennifer Landerer, Jan Knight
	Leadership	Lew Hardy, Calum Arthur, Jodie Knott, Ellie Chichester
	Energy Balance	Jamie Macdonald, Sam Oliver
	Pressure in the Skull and the Optic Nerve	Zoë Smith, Jonjo Knott
	Effects of Iloprost on Lung Blood Pressure and Exercise Capacity at High Altitude	Bhavini Jaiswal, Edith Kortekass, Katja Ruh, James Anholm
	Lung Cell Function during High Altitude Exposure	Bhavini Jaiswal, Katja Ruh, James Anholm
	Sleep Quality at High Altitude	Robert Szymczak
	Irregular Breathing and Heart Rate at High Altitude	Chris Wolff, David Collier, Matthew Bell
Red Blood Cell Reduction on return to Low Altitude	Carol Darwin, Jay Mehrishi, Jim Milledge	
2010	Porter mortality	