

List of publications July 2017

Anthony S. Wagstaff

Original Articles in International Peer-reviewed Scientific Journals

1. Andersen HT, Wagstaff AS, Sverdrup HU. *Spinal x-ray screening of high performance fighter pilots*. Aviat Space Environ Med. 1991;62:1171-3.
2. Wagstaff AS, Tvette O, Ludvigsen B. *The Effect of a Headset Leakage on Speech Intelligibility in Helicopter Noise*. Aviat Space Environ Med. 1996; 67:1034-8.
3. Wagstaff AS, Woxen OJ, Andersen HT. *Effects of Active noise reduction on noise levels at the tympanic membrane*. Aviation, Space and Environmental Medicine 1998; 69:539-544.
4. Wagstaff AS, Tvette O, Ludvigsen B. *Speech Intelligibility in Noise as a function of Altitude*. Aviat Space Environ Med. 1999; 79:1064-9.
5. Hansen Ø, Wagstaff AS. *Low Back Pain in Norwegian Helicopter Aircrew*. Aviat Space Environ Med 2001;72:161-4.
6. Wagstaff AS, Woxen OJ. *Double Hearing Protection and Speech Intelligibility - Room for Improvement*. Aviat Space Environ Med 2001;72:400-4.
7. Årva P, Wagstaff AS. *Medical disqualification of 275 commercial pilots; changing patterns over 20 years*. Aviat Space Environ Med 2004; 75:791-4.
8. Årva P, Wagstaff AS. *Medisinske årsaker til sertifikattap hos norske trafikkflygere*. Tidsskr Nor Lægeforen 2004; 124: 2913-2915.
9. Kåsin JI, Kjekshus J, Aukrust P, Mollnes TE, Wagstaff AS. *A helicopter flight does not induce significant changes in systemic biomarker profiles*. Scand J Clin Lab Invest. 2009; 69: 1-12
10. Wagstaff AS, Årva P. *Hearing Loss in Civilian Airline and Helicopter Pilots compared to Air Traffic Control Personnel* Aviat Space Environ Med 2009; 80:857-61.
11. Wagstaff AS, Lie JAS, *Shift work, Night work and long working hours: A systematic review of safety implications*. Scandinavian Journal of Work, Environment and Health 2011;(3):173-185

12. Kåsin JI, Mansfield N, Wagstaff A. *Whole body vibration in helicopters: risk assessment in relation to low back pain*. Aviat Space Environ Med 2011 Aug;82(8):790-6.
13. Hansen TA, Kåsin JI, Edvardsen A, Christensen CC, Wagstaff AS. *Effects on Arterial oxygen pressure following Whole-Body Vibration at Altitude*. Aviation, Space and Environmental Medicine 2012;83(4):431-5.
14. Kåsin JI, Kjellevand TO, Kjekshus J, Nesheim G, Wagstaff AS *CT examination of pericard and lung tissue in helicopter pilots exposed to whole body vibration and noise*. Aviation, Space, and Environmental Medicine , 2012; 83Vol. 83, No. 9, September 2012
15. Wagstaff AS, Rodskier S, Jahr KI. *+Gz- induced spinal symptoms in fighter pilots: Operational and individual associated factors*. Aviat Space Environ Med. 2012 Nov; 83(11):1092-6
16. Meland A, Fonne V, Wagstaff A, Pensgaard AM. *Mindfulness-based Mental Training in a High-Performance Combat Aviation Population: A One-Year Intervention Study and Two-year Follow-up*. The international Journal of Aviation Psychology 2015, 25(1), 48-61.
17. Ishimatsu, K., Meland, A., Hansen, T. A., Kasin, J. I., & Wagstaff, A. S. (2016). *Action slips during whole-body vibration*. Applied Ergonomics, 55, 241-247.
18. Meland A, Ishimatsu K, Pensgaard AM, Wagstaff AS, Fonne V, Garde AH, Harris A. *Impact of mindfulness training on physiological measures of stress and objective measures of attention control in a military helicopter unit*. The International Journal of Aviation Psychology 2016.
19. Chahal-Kummen M, Strand TE, Owe JO, Gulliksen E, Wagstaff AS. *Aeromedical Evaluation for an F-16 Candidate with Incomplete Paraplegia*. Aerosp Med Hum Perform. 2016;87(11):968-971.
20. Høva JK, Thorheim L, Wagstaff AS, *Medical Reasons for Loss of Licence in Norwegian Professional Pilots*. Aerosp Med Hum Perform. 2017 Feb 1;88(2): 146-149.
21. Wagstaff AS, Larsen T. *Readability of New Aviation Chart Symbolology in Day and NVG Reading Conditions*. Aerosp med Hum Perform. In press.

Research reports

22. Urcin, A. Wagstaff, L. Grønstøl, M. Warncke, R. Orekaasa, G. Knudsen. *Loads on passengers during free fall training with FF48*. NUTEC rapport 37-92. Norwegian Underwater Technology Center, Bergen. ISBN:82-7280-2791

23. Wagstaff AS. *Speech Intelligibility and Noise in Aircraft*. Doctoral Dissertation, Faculty of Medicine, University of Oslo. ISBN 82-7722-142-8. Unipub Forlag, Akademika AS, Oslo 2001.
24. Gaarder L, Kalstad K, Guldteig SH, Waaler A, Wagstaff AS. *Remote Patient Monitoring*. Consultancy report, Executive MBA program, ESCP-EAP European School of Management/BI Norwegian School of Management, June 2005.
25. Lie JAS, Gulliksen E, Bast-Pettersen R, Skogstad M, Tynes T, Wagstaff AS. *Arbeidstid og helse – En systematisk litteraturstudie*. STAMI-report nr.21, ISSN: 1502-0932. 2008.
26. Skogstad M, Bast-Pettersen R, Lie A, Wagstaff AS, Bugge M, Skyberg K. *Vurdering av behovet for helseoppfølging av dykkere i petroleumsvirksomheten*. STAMI-rapport nr. 1, ISSN nr. 1502-0932. 2010.

Articles Published in Proceedings from International Scientific Conferences

27. Wagstaff. *Improved Speech Intelligibility due to Altitude*. NATO AGARD Conference Proceedings 596: Audio Effectiveness in Aviation, June 1997.
28. Wagstaff AS, Woxen, OJ and Andersen, HT . *The Effect of Active Noise Reduction on Noise Levels at the Tympanic Membrane*. NATO AGARD Conference Proceedings 596: Audio Effectiveness in Aviation, June 1997.
29. Wagstaff, A. *Physiological Effects of Flying Helicopters*. 1997 European Aviation Safety Seminar Conference proceedings, Flight Safety Foundation 1997.
30. Fonne, VM, Wagstaff, AS. *Management of Health, Environment and Safety in Royal Norwegian Air Force Flight Operations*. Proceedings of the Human Factors and Ergonomics Society 41st Annual Meeting, Human Factors and Ergonomics Society, Santa Monica, Ca. USA.
31. Wagstaff AS. *Health and Safety Effects of Vibration in Helicopters*. Euronoise 2006, Tampere, Finland, 30 May-03June 2006
32. Kåsin JI, Wagstaff AS. *Vibration in Norwegian Air Force Helicopters in relation to EC directive action values*. Euronoise 2006, Tampere, Finland, 30 May-03June 2006.
33. Wagstaff AS, Woxen OJ. *Double Hearing Protection and Speech Intelligibility - Room for Improvement*. NATO RTO Meeting Proceedings 19: Current Aeromedical Issues in Rotary Wing Operations. NATO/RTO 1999.

34. Wagstaff AS, Kåsin JI, *Health and Safety Aspects of Vibrations in Helicopters*. Conference proceedings 14th International Congress of Noise and Vibration, Cairns, Australia 09-12 July 2007.
35. Kåsin JI, Wagstaff AS. *The acute effect of a 3, 5 hours helicopter flight on cellular tissue irritation biochemical markers*. Conference proceedings 14th International Congress of Noise and Vibration, Cairns, Australia 09-12 July 2007.
36. Kåsin JI, Woxen OJ, Wagstaff AS. *Firing with the M134D-T in the Bell 412 leads to a major challenge for the crew in terms of high noise levels*. Proceedings, International Conference of Sound and Vibration ICSV 18, 2011, Rio de Janeiro, Brazil.
37. Hansen TA, Edwardsen A, Christensen CC, Kåsin JI, Wagstaff AS. *Effects on Arterial Oxygen Pressure Following Whole-body Vibration at Altitude*. Proceedings, Inter-noise 2011, Osaka, Japan.
38. Kåsin JI, Mansfield N, Wagstaff AS. *Whole body vibration in helicopters; risk assessment according to the European vibration directive*. Proceedings, Inter-noise 2011, Osaka, Japan.
39. Ishimatsu, K, Meland A, Hansen TAS, Kåsin JI, Wagstaff AS. *The absent mind during exposure to whole-body vibration*. Proceedings, The 20th Japan Conference on Human Response to Vibration, Osaka, Japan September 4-6, 2012
40. Ishimatsu, K., Meland, A., Hansen, T. A., Kåsin, J. I., Wagstaff, A. S. *Control of visual attention during exposure to whole-body vibration*. Proceedings of the 21st Japan Conference on Human Response to Vibration, August 27-29, Tokyo, Japan, 2013.

Other Articles and Book Chapters

41. Wagstaff AS. *Physiological Effects of Flying Helicopters*. Take off - Magazine of the Swiss Professional Pilot's Association No.7; p. 33-35, May 1998.
42. Årva P, Wagstaff AS. *Flymedisin*. Tidsskr Nor Lægeforen– Jubileumsnummer 2005
43. Wagstaff AS, Lie JAS. *Arbeidstid, sikkerhet og helse*. Arbejdsmiljø, Danmark 2009.
44. Wagstaff AS, Lie, JAS. *Arbeidstid og helse*. Ramazzini, 2009;(16);2:4-7 ISSN 0805-5238
45. Wagstaff AS. *Arbeidstid-hva er for lenge?* Overlegen, 2013-4; p41-42
46. Wagstaff AS, Tellnes G *Arbeidsmedisin og helsefremmende samhandling* Utposten 3, 201; p29-32

47. Wagstaff AS, Christensen CC, Owe, JO, *Flymedisin. Norsk lærebok i indremedisin.* Forlaget Vett og viten, 2017.
48. Wagstaff AS, Tellnes G. *Arbeidsmedisin og helsefremmende samhandling.* Utposten nr. 3, 2017

Abstracts – Original Presentations in International Scientific Conferences

49. Andersen HT, Wagstaff AS, Sverdrup HU. *Roentgen studies of the spine of young, healthy Norwegians.* Back pain current concepts and recent advances - 4th international congress -Sydney, Australia 6-9 June 1991. (Abstract)
50. Wagstaff AS, Andersen HT. *The effect of a minor Headset Leakage on Speech Intelligibility in Helicopter Noise.* 4th Meeting of the Nordic Aeromedical association, Helsinki 1993. (Abstract)
51. Wagstaff AS, Andersen HT. *Headset Fit in Helicopter Noise - Effects on Speech Intelligibility and Possible Noise-Induced Hearing Loss.* Aerospace Medical Association Annual Scientific Meeting, San Antonio, Texas, May 1994. (Abstract).
52. Hansen ØB, Wagstaff AS. *Eitological Factors in Back Pain in Helicopter Aircrew.* International Congress of Aviation and Space Medicine, New Delhi, India, oktober 1994. (Abstract)
53. Wagstaff AS, Woxen O, Andersen HT. *Is todays Military Cockpit a High-risk Environment for Noise-induced Hearing Loss?* International Congress of Aviation and Space Medicine, London, October 1995. (Abstract)
54. Hansen ØB, Wagstaff AS. *Flight-related Low Back Pain and Physical Fitness - A Case-Control Study.* International Congress of Aviation and space Medicine, London, October 1995. (Abstract)
55. Wagstaff AS, Woxen O, Andersen HT. *The Effect of Active Noise Reduction on Noise Levels at the Tympanic Membrane.* Aerospace Medical Association Annual Scientific Meeting, Atlanta, Georgia , May 1996. (Abstract)
56. Wagstaff AS, Andersen HT. *A Quality Control System for Health, Environment and Safety in Military Aviation.* International Congress of Aviation and Space Medicine, Jerusalem, September 1996. (Abstract)
57. Fonne, VM, Wagstaff, AS. *Health, Environment and Safety (HES) in Military Aviation: Lessons Learned and Challenges Ahead.* 45th International Congress in Aviation and Space Medicine, Oslo, 1997 (Abstract)
58. Wagstaff, AS and Woxen, OJ. *Double Hearing Protection and Speech Intelligibility - Room for Improvement.* 45th International Congress in Aviation and Space Medicine, Oslo, 1997 (Abstract)

59. Wagstaff AS, Fonne VF. *Health, Environment and Safety (HES) in Military Aviation: Implications for the RNoAF New Combat Aircraft Program*. 46th International Congress of Aviation and Space Medicine, Singapore, 6-10- sept. 1998. (Abstract)
60. Wagstaff AS, Årva P. *Prostate Specific Antigen (PSA) – Screening of a Norwegian Pilot Population*.– 49th International Congress of Aviation and Space Medicine, Geneva Switzerland 2001. (Abstract)
61. Wagstaff AS, Woxen OJ. *Evaluation of Operational Use of Custom Moulded Ear Plugs (CMEP) in the Royal Norwegian Air Force*.– 49th International Congress of Aviation and Space Medicine, Geneva Switzerland 2001. (Abstract)
62. Klaveness S, Alstad T, Stjernholm B, Jahr KI, Wagstaff AS. *Spinal Symptoms in Fighter Pilots of the Royal Norwegian Air Force (RnoAF)* Aerospace Medical Association Annual Scientific Meeting, Montreal, 2002. (Abstract)
63. Jahr KI, Voie ØA, Wagstaff AS. *Risk Assessment of Depleted Uranium Health Risks for the Royal Norwegian Air Force Helicopter Wing in Kosovo 2001*. Aerospace Medical Association Annual Scientific Meeting, Montreal, 2002. (Abstract)
64. Owe JO, Farstad A, Wagstaff AS. *Low-Risk Altitude Chamber Training over 2 Decades – Experiences from the Royal Norwegian Air Force Institute of Aviation Medicine*. Aerospace Medical Association Annual Scientific Meeting, Montreal, 2002. (Abstract)
65. Wagstaff AS, Årva P. *Diagnostic Categories for Medical Disqualification in the Norwegian Professional Pilot Population 1982-200*. 50th International Congress of Aviation and Space Medicine, Sydney Australia 2002. (Abstract)
66. Årva P, Wagstaff AS. *Medical disqualifications in Norwegian Civil Aviation 1982-2001*. 50th International Congress of Aviation and Space Medicine, Sydney Australia 2002. (Abstract)
67. Årva P, Wagstaff AS. *Medical assessment of Norwegian Professional pilots 1982-2001. A 20 years cohort study*. 75th Annual Scientific Meeting of the Aerospace Medical Association, San Antonio, 5-8 May 2003. (Abstract)
68. Årva P, Wagstaff AS. *Has implementation of JAR-FCL 3 changed disqualification modalities in professional pilots?* Nordic Aeromedical Association Annual Scientific Meeting, Helsinki, June 2003. (Abstract)
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70. Wagstaff AS, Årva P. *Hearing Thresholds of Norwegian ATC Personnel and Civilian Airline and Helicopter Pilots*. Nordic Aviation Medical Congress 2005 (Abstract) .

71. Jahr KI, Klaveness SR, Wagstaff AS. *A Rehabilitation programme for neck pain in Fighter Pilots. Nordic Aviation Medical Congress 2005*(Abstract).
72. Wagstaff AS, Årva P. *Hearing loss in Norwegian Aviation Personnel – age related or noise-induced?* International Congress of Aviation and Space Medicine, Warsaw, Poland 2005 (Abstract).
73. Vikne H, Jahr KI, Vikne J, Refsnes P, Wagstaff AS. *The effect of active and passive management of neck pain and disability in fighter pilots.* Annual Scientific Meeting of the Aerospace Medical Association, Orlando Florida 2006.
74. Kåsin JI, Wagstaff AS. *Vibration levels in Norwegian Air Force helicopters.*Annual Scientific Meeting of the Aerospace Medical Association, Orlando Florida 2006.
75. Wagstaff AS. *Health and Safety Effects of Vibration in Helicopters.* Euronoise 2006, Tampere, Finland, 30 May-03June 2006
76. Kåsin JI, Wagstaff AS. *Vibration in Norwegian Air Force Helicopters in relation to EC directive action values.* Euronoise 2006, Tampere, Finland, 30 May-03June 2006.
77. Kåsin JI, Wagstaff AS. *The acute effect of a 3, 5 hours helicopter flight on cellular tissue irritation biochemical markers.* Annual Scientific Meeting of the Aerospace Medical Association, New Orleans, May 2007 (Abstract).
78. Bøe AS, Owe JO, Sigerstad A, Wagstaff AS. *Protecting the Lifesavers: Back restraints for Rescue Swimmers: The Norwegian Experience.* Annual Scientific Meeting of the Aerospace Medical Association, New Orleans, May 2007 (Abstract).
79. Årva P, Wagstaff AS, Heimberg . *Aeromedical examinations – Redundant, or due for a change?* International Congress of Aviation and Space Medicine, Vienna, Austria 2007 (Abstract).
80. Cataman EA, Pongratz H, Wagstaff AS. *Training in Aviation Medicine in Europe* International Congress of Aviation and Space Medicine, Vienna, Austria 2007 (Abstract).
81. Wagstaff AS, Blum P. *Tinnitus and hearing in a Norwegian pilot population.* European Conference of Aerospace Medicine, Hungary Nov. 18-20 2008 (Abstract).
82. Kåsin JI, Wagstaff A. *Evaluating whole body vibration levels in military and civilian helicopters according to levels defined by EC (2002/44/EC).* European Conference of Aerospace Medicine, Hungary Nov. 18-20 2008 (Abstract).
83. Wagstaff AS, Lie JAS, *Work time and schedules – a review of safety and health effects and implications for air crew.* Annual Scientific Meeting of the Aerospace Medical Association, Phoenix Arizona, May 2010 (Abstract)

84. Wagstaff AS, Haughom B, Larsen T. *Safety-critical symbols in maps – comparison of readability of two maps in day and NVG reading conditions, using a controlled experiment*. International Congress of Aviation and Space Medicine, Melbourne Australia September 2012 – (Abstract)
85. Ishimatsu, K, Meland A, Hansen TAS, Kåsin JI, Wagstaff AS. *Action slips in a working environment with vibration: Effects of whole-body vibration on the Sustained Attention to Response Task*. 31st annual meeting of the Japan Psychonomic Society Nov. 3-4, 2012
86. Wagstaff A. *Fatigue and Military Aviation – European Examples and International Developments*, Aerospace Medical Association Annual Scientific Meeting, San Diego May 11-15, 2014.
87. Meland A, Fonne V, Wagstaff A, Pensgaard A. *Mindfulness based Mental Training in a Combat Aircraft Population – A One Year Follow-up*. Aerospace Medical Association Annual Scientific Meeting, San Diego May 11-15, 2014.
88. Wagstaff A. *The Role of Prevention in Regulatory Aviation Medicine – An Aviation Medical Examiner’s view – ICAO session*, Aerospace Medical Association Annual Scientific Meeting, San Diego May 11-15, 2014.
89. Ishimatsu K, Meland A, Hansen TAS, Kåsin JI, Wagstaff AS. *How does attention work during whole-body vibration and hypoxia?* The 22nd Conference on Human Response to Vibration (JCHRV2014) Okinawa, Japan August 25-27 2014.
90. Wagstaff A. *Preventive medicine and aeromedical examinations: where do we go from here?* Aerospace Medical Association Annual Scientific Meeting, Orlando, Florida May 10-14 2015.
91. Lundseng O, Ranfelt H, Wagstaff AS. *Return to flying duties in the F16 after suffering a brain tumour – A case study of an operational risk management approach*. Aerospace Medical Association Annual Scientific Meeting, Orlando, Florida May 10-14 2015
92. Kåsin JI, Wagstaff AS. *CT examination of the pericardium and lungs in helicopter pilots exposed to vibration and noise*. Aerospace Medical Association Annual Scientific Meeting, Orlando, Florida May 10-15 2015.
93. Tarvainen MP, Kuoppa P, Fonne V, Wagstaff AS, Meland A. *Mindfulness training in high performance groups: Preliminary findings from a heart rate variability study*. The 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, Milano, Italy, August 25-29, 2015. Poster.
94. Meland A, Ishimatsu K, Pensgaard A, Wagstaff AS, Fonne V, Garde A, Harris A. *Mindfulness alleviates physiological effects of stress in a military helicopter unit* Aerospace Medical Association Annual Scientific meeting, Atlantic City April 24-28, 2016

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96. Goffeng EM, Tarvainen M, Wagstaff AS, Nordby, KC, Goffeng LO, Skare Ø, Lilja D, Lie JAS. *Cumulative fatigue and changes in HRV among health care personell, pilots and cabin crew. A study of extended working days and compressed working weeks*. 5th European Conference of Aerospace medicine, Oslo, Norway 15-18 September 2016.
97. Sandvik J, Stangnes JB, Wagstaff AS. *Possible Spatial Disorientation during a short field landing approach I Northern Norway*. 5th European Conference of Aerospace medicine, Oslo, Norway 15-18 September 2016.
98. Lundseng OI, Wagstaff AS. *Aeromedical Support in Introducing a New Aircraft Type. Preliminary Lessons from the Norwegian Combat Aircraft Program*. 5th European Conference of Aerospace medicine, Oslo, Norway 15-18 September 2016.
99. Meland A, Hoebke E, Pensgaard AM, Fonne V, Wagstaff AS, Jensen CG. *Being part of a team: Exploring Mindfulness as a Facilitator of Increased Fellowship in a Military Aviation Unit*. 5th European Conference of Aerospace medicine, Oslo, Norway 15-18 September 2016.
100. Wagstaff AS. *Organisational update: Norwegian Armed Forces Institute of Aviation Medicine*. 64th International Congress of Aviation and Space Medicine, New Delhi, India 06-10 November 2016.
101. Sandvik J, Stangnes JB, Mellem J, Wagstaff AS. *A case of possible spatial disorientation – analysis of operational aspects and preventive strategies*. Aerospace Medical Association 88th Annual Scientific Meeting, Denver, USA, April 30-May 4 2017.

Reviewer, Scientific Journals

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