



CORTEX Publication



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Selected CORTEX Publications

No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2009-019	Abstract	Sports	Sports Medicine	MetaMax II	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009	FERRAUTI, A., KINNER, V. RUHR UNIVERSITY OF BOCHUM	THE HIT & TURN TENNIS TEST - AN ACOUSTICALLY CONTROLLED ENDURANCE TEST FOR TENNIS PLAYERS	English
2009-018	Abstract	Medical	Physiology	MetaMax 3B	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009	OKSA, J., RINTAMÄKI, H., MÄKINEN, T. FINNISH INSTITUTE OF OCCUPATIONAL HEALTH, OULU	THE EFFECT OF TERRAIN TYPE AND TIME OF YEAR ON MUSCULAR, CARDIAC AND ENERGETIC STRAIN: TERRAIN FACTOR	English
2009-017	Abstract	Medical	Physiology	MetaMax 3B	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009	SPARKS, S.A., ORME, D. Edge Hill University	THE EFFECT OF CARRYING A PORTABLE RESPIRATORY GAS ANALYSIS SYSTEM ON ENERGY EXPENDITURE DURING RUNNING	English
2009-016	Abstract	Sports	Sports Medicine	MetaMax II	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009	ASPENES, S., ULRIK, W. Norwegian University of Science and Technology	THE DECLINE OF VO2MAX FROM 20 TO 84, THE HEALTH SURVEY OF NORD-TRØNDELAG	English
2009-015	Abstract	Medical	Physiology	MetaMax II	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009	SYNNES, O., MEDBØ, J.I., VON HEIMBURG, E. National Institute of Occupational Health	TECHNICAL MODIFICATION OF THE METAMAX II METABOLIC ANALYZER FOR MEASUREMENTS ON FIREFIGHTERS IN THE HEAT	English
2009-014	Abstract	Sports	Sports Medicine	MetaMax 3X	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009	KOLLE, E., STEENE-JOHANNESSEN, J., ANDERSEN, L.B., ANDERSSON, S.A. Norwegian School of Sport Science	PHYSICAL ACTIVITY AND ITS RELATION TO AEROBIC FITNESS IN CHILDREN AND ADOLESCENTS	English
2009-013	Abstract	Sports	Sports Medicine	MetaMax II	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009	VON HEIMBURG, E., MEDBO, J.I. North Trondelag University College	OXYGEN UPTAKE DURING SIMULATED FIREFIGHTER-WORK: THE TRONDHEIM FIREFIGHTER-TEST	English
2009-012	Abstract	Medical	Sports Medicine	MetaMax	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009	MAMEN, A., SKREDE, A., MUNKVOLL, H., MARTINSEN, E.W. Sogn Og Fjordane University College	ADULTS WITH ADHD RATE EXERTION LOWER	English
2009-011	Presentation	Sports	Sports Medicine	MetaLyzer II	School of Sport and Health Sciences, University of Exeter	Roger Eston, Gaynor Parfitt, James Faulkner, Danielle Lambrick, Kate Shepherd	Perceived exertion : recent observations and novel applications	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2009-010	Abstract	Sports	Sports Medicine	MetaMax II, Swim	Rev Port Cien Desp 90 6(Supl.1) 71-132	Kapus J, Strumbelj B, Usaj A, Kapus V	THE BREATHING FREQUENCY CHANGES DURING SWIMMING BY USING RESPIRATORY VALVES AND TUBES.	English
2009-009	Abstract	Sports	Sports Medicine	MetaMax 3B	31 March and 1 April, Department of Sport, Health and Exercise Science, The University of Hull	Department of Sport, Health and Exercise Science, The University of Hull	BASES 2009 ANNUAL STUDENT CONFERENCE	English
2009-008	Abstract	Sports	Sports Medicine	MetaMax II, MetaMax 3X, MetaMax 3B	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009	Edited by: Loland, S., Bø, K., Fasting, K., Hallén, J., Ommundsen, Y., Roberts, G., Tsolakidis, E.	14th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE Oslo/Norway, June 24-27, 2009 BOOK OF ABSTRACTS	English
2009-007	Article	Medical	Intensive Care	MetaMax 3B	BBC	Michelle Roberts	Everest trip helps critically ill http://news.bbc.co.uk/2/hi/health/7811578.stm	
2009-006	Article	Medical	Intensive Care	General	From Met-test, there was no funding associated with this paper	Sundeeep Chaudhry, MD1; Ross Arena, Ph.D2,3; Karlman Wasserman, MD, Ph.D4; James E. Hansen, MD4; Gregory D. Lewis, MD5; Jonathan Myers, Ph.D6; Romualdo Belardinelli, MD7; Brian LaBudde, MS1; Nicholas Menasco, BS1; William E. Boden, MD8	The Utility of Cardiopulmonary Exercise Testing in the Assessment of Suspected Microvascular Ischemia	English
2009-005	Article	Sports	Sports Medicine	MetaMax 3B	Department of Recreational Sports Management	Ching-Feng, Cheng ¹ , Wei-Chieh, Hsu ² , Chia-Lun, Lee ³ & Pak-Kwong, Chung ⁴ ¹ Department of Athletic Performance, National Taiwan Normal University, Taipei, Taiwan ² Graduate Institute of Exercise and Sports Science, Taipei Physical Education College, Taipei, Taiwan ³ Department of Recreational Sports Management, Yu Da College of Business, Miaoli County, Taiwan ⁴ Department of Physical Education, Hong Kong Baptist University, Hong Kong, China	Effects of the Different Frequencies of Whole-body Vibration During the Recovery Phase After Exhaustive Exercise	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2009-004	Article	Medical	Intensive Care	General	© 2009 Elsevier Inc. (Am J Cardiol 2009;103:615– 619)	Sundeeep Chaudhry, MDa,*, Ross Arena, PhDb,c, Karlman Wasserman, MD, PhDd, James E. Hansen, MDd, Gregory D. Lewis, MDe, Jonathan Myers, PhDf, Nicolas Chronos, MDg, and William E. Boden, MDh	Exercise-Induced Myocardial Ischemia Detected by Cardiopulmonary Exercise Testing	English
2009-003	Study	Sports	Sports Medicine	MetaMax II	Journal of Science and Medicine in Sport	Friederike Scharhag-Rosenberger a,b,*, Tim Meyer a,c, Nina Gäßler a, Oliver Faude a,c, Wilfried Kindermann a a Institute of Sports and Preventive Medicine, University of Saarland, Saarbrücken, Germany b Sports Medicine & Sports Orthopaedics, University Outpatient Clinic Potsdam, Germany c Institute of Sports Medicine, University Paderborn, Germany	Exercise at given percentages of VO2max: Heterogeneous metabolic responses between individuals	English
2009-002	Study	Sports	Sports Medicine	MetaMax II	Medicine & Science in Sports & Exercise; American College of Sports Medicine	FRIEDERIKE SCHARHAG-ROSENBERGER1,2, TIMMEYER1,3, SUSANNE WALITZEK1, and WILFRIED KINDERMANN1 1Institute of Sports and Preventive Medicine, University of Saarland, Saarbrücken, GERMANY; 2Sports Medicine & Sports Orthopaedics, University Outpatient Clinic Potsdam, GERMANY; and 3Institute of Sports Medicine, University of Paderborn, GERMANY	Time Course of Changes in Endurance Capacity: A 1-yr Training Study	English
2009-001	Article	Sports	Sports Medicine	General	Sportsupport, OSP Oberhof	CORTEX	Capacity: A 1-yr Training Study	German
2008-031	Article	Medical	Cardiology	MetaMax II	Scand J Public Health 2008; 36; 52	Nanna Kurtze, Vegar Rangul, Bo-Egil Hustvedt and W Dana Flanders	Reliability and validity of self-reported physical activity in the Nord-Trøndelag Health Study HUNT 1	English
2008-030	Abstract	Medical	Nutrition	MetaMax 3B	Projektdurchführung: BGIA - Insitut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung Deutsche Sporthochschule Köln, Psychologisches Institut Abt. Gesundheit & Sozialpsychologie	BGIA - Insitut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung Deutsche Sporthochschule Köln, Psychologisches Institut Abt. Gesundheit & Sozialpsychologie	Kalibrierung und Validierung der Energieumsatz-Bestimmung mit dem CUELAActivity-Messsystem	German

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2008-029	Article	Sports	Sports Medicine	General	Published Online First: 4 October 2006. doi:10.1136/bjism.2006.027615 British Journal of Sports Medicine 2007;41:8-12 Copyright © 2007 BMJ Publishing Group Ltd & British Association of Sport and Exercise Medicine	B. de Geus, S. De Smet, J. Nijs and R. Meeusen	Determining the intensity and energy expenditure during commuter cycling	English
2008-028	Abstract	Medical	Cardiology	General	Scandinavian Journal of Medicine & Science in Sports. 18(4):498-510, August 2008	de Geus, B. ; Van Hoof, E.; Aerts, I.; Meeusen, R.	Cycling to work - influence on indexes of health in untrained men and women in Flanders. Coronary heart disease and quality of life	English
2008-027	Abstract	Sports	Sports Medicine	MetaMax 3B	Bedford 2008 Conference Abstract Booklet	A. Bagshaw, T. Evans, P. Graley, R. Lovell	Reproducibility of the Soccer-Specific Aerobic Fitness Test and its physiological responses	English
2008-026	Abstract	Medical	Rheumatology	MetaLyzer 3B	British Journal of Medicine Rheumatology 2008 Vol. 47 (4)	G. S. Metsios, A. Stavropoulos-Kalinoglou, V. F. Panoulas, Y. Koutedakis, A. M. Nevill, K. M. J. Douglas, M. Kita, G. D. Kitas	New resting energy expenditure prediction equations for patients with rheumatoid arthritis	English
2008-025	Study	Sports	Sports Medicine	MetaMax 3B	http://eprints.gla.ac.uk/4653/ 29th October 2008 Glasgow	Hunt, K.J. and Ajayi, B. and Gollee, H. and Jamieson, L.	Feedback control of oxygen uptake during treadmill exercise	English
2008-024	Study	Medical	Cardiology	MetaLyzer 3B	Journal of the American College of Cardiology Vol. 51, No. 17, 2008 © 2008 by the American College of Cardiology Foundation ISSN 0735-1097/08/\$34.00 Published by Elsevier Inc. doi:10.1016/j.jacc.2008.01.027	Jerome L. Fleg, MD, FACC, FAHA Bethesda, Maryland	Improving Exercise Tolerance in Chronic Heart Failure	English
2008-023	Article	Sports	Sports Medicine	MetaLyzer 3B	British Journal of Sports Medicine 2008;42:823-827	A M Edwards ¹ , C Wells ² and R Butterly ³ ¹ UCOL Institute of Technology, Palmerston North, New Zealand ² Sheffield Hallam University, Sheffield, UK ³ Leeds Metropolitan University, Leeds, UK	Concurrent inspiratory muscle and cardiovascular training differentially improves both perceptions of effort and 5000 m running performance compared with cardiovascular training alone	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2008-022	Study	Medical	Cardiology	MetaLyzer 3B	Elsevier Editorial System(tm) for Journal of Cardiac Failure	Corresponding Author: Dr. Jorge P. Ribeiro, MD, ScD Corresponding Author's Institution: Hospital de Clinicas de Porto Alegre First Author: Daniel Umpierre, MSc Order of Authors: Daniel Umpierre, MSc; Ricardo Stein, MD, ScD; Paulo J Vieira, PT; Ruy S Moraes, MD, ScD; Elton L Ferlin, BSc EE; Jorge P. Ribeiro, MD, ScD	Blunted Vascular Responses but Preserved Endothelial Vasodilation After Submaximal Exercise in Chronic Heart Failure	English
2008-021	Article	Fitness	Fitness	AIRCHECK	The Business Times, Singapore	Cheah UI-Hoon	Take a test before exercising	English
2008-020	Article	Medical	Sports Medicine	MetaMax 3B	Fit for fun, 9/2008	Rüdiger Frank, Gunnar Ebmeyer, Tobias Hatje	Fettkiller Wandern	German
2008-019	Article	Sports	Sports Medicine	MetaMax 3B	Le Nouvellist, 11.12.08, CH	Florent May	Un laboratoire sur la piste	French
2008-018	Study	Sports	Sports Medicine	MetaMax 3B	http://www.laban.org/php/press.php?id=164&item=#item234		The Leverhulme Trust Award Grant for Ground-Breaking Dance Science Research at Laban	English
2008-017	Study	Medical	Sports Medicine	MetaLyzer II	Psychophysiology, 45 (2008), 977-985. Wiley Periodicals, Inc. Printed in the USA.	JAMES FAULKNER, GAYNOR PARFITT and ROGER ESTON School of Sport and Health Sciences, University of Exeter, St. Luke's Campus, Exeter, EX1 2LU, United Kingdom	The rating of perceived exertion during competitive running scales with time	English
2008-016	Study	Medical	Sports Medicine	MetaLyzer II	BJSM Online; Br. J. Sports Med. 2008;42;1006-1010; originally published online 28 Feb 2008;	R C Davies, A V Rowlands, R G Eston	The prediction of maximal oxygen uptake from submaximal ratings of perceived exertion elicited during the multistage fitness test	English
2008-015	Article	Fitness	Fitness	AIRCHECK	BodyLife, 7/08	CORTEX	Deutschlands größtes Fitnessmärchen	German
2008-014	Article	Medical	Prevention	MetaMax, MetaLyzer, AIRCHECK	Lebendige Wissenschaft	CORTEX	Neue Ansätze für erfolgreiche Prävention	German
2008-013	Article	Fitness	Fitness	AIRCHECK	shapeup, trainer's only	CORTEX	Neu für qualifizierte Fitnessstudios	German
2008-012	Article	Sports	Sports Medicine	General	Puls aktiv	Höhenbalance AG	Dünne Luft als Fitnessgarantie	German
2008-011	Study	Medical	Nutrition	General	Scandinavian Journal of Medicine & Science in Sports	T. Meyer, C. Folz, F. Rosenberger, W. Kindermann	The reliability of Fat _{max}	English
2008-010	Article	Sports	Sports Medicine	MetaMax, MetaLyzer	Suessmed		Spiroergometrie im Windkanal	German

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2008-009	Study	Medical	Cardiology	MetaLyzer 3B	Journal of Cardiac Failure	D. Umpierre, R. Stein, P. J. C. Vieira, R. S. Moraes, E. L. Ferlin, J. P. Ribeiro	Blunted vascular responses but preserve endothelial vasodilation after submaximal exercise in chronic heart failure	English
2008-008	Study	Sports	Nutrition	MetaMax 3B, MetaMax I	Germane Zeitschrift für Sportmedizin	Frählich H., Gernet E., Susgin C., Schmidt W.	Der Einfluss von Schulsport auf den Energieumsatz von Kindern und Jugendlichen – Eine Pilotstudie	German
2008-007	Article	Medical	Intensive Care	MetaMax 3B	Illustrert Vitenskap		Ekstrem Forskning PÅ Everest	Finnish
2008-006	Article	Sports	Sports Medicine	MetaMax 3B	Y.	Eric Gusenburger	Leistung in XXL	German
2008-005	Study	Medical	Cardiology	MetaLyzer 3B	Journal of Cardiac Failure	A. Behling, L. E. Rohde, F. C. Colombo, L. A. Goldraich, R. Stein, N. Clausell	Effects of 5'-Phosphodiesterase four-week long inhibition with sildenafil in patients with chronic heart failure: a double-blind, placebo-controlled clinical trial	English
2008-004	Article	Sports	Sports Medicine	General	Fit for fun	Stefan Becker	Höhentraining; Dünne Luft für alle	German
2008-003	Study	Sports	Sports Medicine	General	21. Jahrestagung der Spiroergometrie Arbeitsgruppe - Handout	Dr. B. Friedmann-Bette; Hansel, Simon, Stefan...; Dr. K.-H. Rühle	Relevanz der Schwellenkonzepte für Trainer und Athleten; Prädiktoren für eine erfolgreiche BMI Reduktion durch Lebensstiländerung bei Personen mit erhöhtem Risiko für Diabetes mellitus Typ2; Plausibilitätsprüfungen in der Spiroergometrie	German
2008-002	Study	Medical	Cardiology	MetaLyzer 3B	Journal of the American College of Cardiology	Chaippa, Roseguini, Vieira, Alves, Tavares, Winkelmann, Ferlin, Stein, Ribeiro	Inspiratory muscle training improves blood flow to resting and exercising limbs in patients with chronic heart failure	English
2008-001	Study	Medical	Cardiology	General	Journal of the American College of Cardiology	Jerome L. Fleg	Improving exercise tolerance in chronic heart failure	English
2007-047	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Baum M, Liesen H Sportmed. Institut, Uni Paderborn	Erschöpfende Ausdauerbelastungen beeinträchtigen die NK-Zell-Mobilisation	German
2007-046	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Lorang LD, Müller MJ, Posselt PM, Kiszczuk KM, Halle HM, Schmidt-Trucksäss SA Lehrst. Rehabilitation und Prävention Sportmedizin, Technische Universität München	Cooper-Test - Gültigkeit auch für Frauen und ältere Menschen?	German

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2007-045	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Sorichter S Universitätsklinikum Freiburg, Abt. Pneumologie	Klinische Anwendung der Ergospirometrie	German
2007-044	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Hansel J1, Simon P1, Stefan N2, Venter C1, Thamer C2, Machann J3, Schick F3, Häring H2, Niess A1, Fritsche A2 1Med. Klinik V, Abteilung Sportmedizin, Universitätsklinikum, 2Med. Klinik IV, 3Experimentelle Radiologie	Prädiktoren für eine erfolgreiche BMI Reduktion durch Lebensstiländerung bei Personen mit erhöhtem Risiko für Diabetes mellitus Typ 2	German
2007-043	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Zelger O, Schwarzer B, Wolfarth B, Halle M Präv. Rehabilitationb. Sportmedizin, TU München	Evaluation und biologische Eichung von 4 unterschiedlichen Laufbandergometern unter besonderer Berücksichtigung der Vergleichbarkeit der leistungsphysiologischen Kenngrößen	German
2007-042	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Reer R, Ziegler M, Braumann K-M Sport- und Bewegungsmedizin, Universität Hamburg	Die Bedeutung der Spiroergometrie beim Schwimmen zur Beurteilung der Ökonomie	German
2007-041	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Jakob E, Steuer M, Hupfer S Sportmedizin Hellersen, Sportklinik Hellersen	Einfluss des Testprotokolls bei der Spiroergometrie auf die VO2max	German
2007-040	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Fries M1, Faude O1, Meyer T1, Rosenberger F1, Huber G2, Kindermann W1 1Institut für Sport- und Präventivmedizin, Universität des Saarlandes, 2Badminton World Training Center, Saarbrücken	Physiologisches Anforderungsprofil des Badmintonspiels	German
2007-039	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Völker K, Lohmann K, Uphoff M, Uhlenbrock K, Fromme A, Thorwesten L, Institut für Sportmedizin, Universitätsklinikum Münster	Einfluss eines Trainingsprogrammes mit chronisch Lungenerkrankten auf die Leistungsfähigkeit sowie die Alltagsaktivität (ADL) – eine kontrollierte Längsschnittstudie	German
2007-038	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	Hennemann A, Müller C, Schultz K, Halle M	Körperliches Training über 3 Wochen verbessert die tägliche Belastbarkeit von Patienten mit COPD	German

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2007-037	Abstract	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin Jahrgang 58, Nr. 7/8 (2007)	various	complete abstracts	German, English
2007-036	Article	Medical	Cardiology	MetaMax I, MetaMax II	Int J Sports Med 2007; 28: 1–7; Department of Academic Cardiology, University of Hull, Hull, United Kingdom 2 Department of Sport and Exercise Science, University of Northumbria, Newcastle, United Kingdom 3 Department of Sport, Health and Exercise Science, University of Hull, Kingston-upon-Hull, United Kingdom 4 Department of Academic Cardiology, University of Hull, Kingston-upon-Hull, United Kingdom	L. Ingle ¹ , M. Wilkinson ² , S. Carroll ³ , C. Boyes ³ , J. Cleland ⁴ , A. Clark ⁴	Cardiorespiratory Requirements of the 6-Min Walk Test in Older Patients with Left Ventricular Systolic Dysfunction and No Major Structural Heart Disease	English
2007-035	Thesis	Sports	Sports Medicine	MetaMax 3B	Universiteit van Utrecht	olaf verschuren	physical fitness in children and adolescents with cerebral palsy	English
2007-034	Article	Sports	Sports Medicine	MetaMax 3B	page 6, School of PE and Sport Sciences; Dr. Michael Doherty (Reader, Exercise Physiology, Director of Sport Science Labs) (mike.doherty@beds.ac.uk) Paul Appleton (Lecturer in Sport and Exercise Psychology, editor Research Newsletter) (paul.appleton@beds.ac.uk)	Hall, H. K., Hill, A., Appleton, P., Kerr, A. W., & Kozub, S. A. (under review). Perfectionism, self-determined regulation and exercise dependence. Submitted to The Sport Psychologist, October, 2007.	Social Psychology of Sport & Exercise; Research Newsletter	English
2007-033	Thesis	Sports	Sports Medicine	MetaMax 3B	Auckland University of Technology	Jeremy Williams	The Acute Effects of Creatine Monohydrate Loading on Simulated Soccer Performance	English
2007-032	Thesis	Sports	Sports Medicine	MetaMax 3B	New Zealand Institute of Sport and Recreation Research Division of Sport and Recreation Faculty of Health Auckland University of Technology	Joe McQuillan	The effect of high intensity resisted cycling with and without explosive resistance training on performance in competitive cyclists	English
2007-031	Thesis	Medical	Nutrition	MetaMax 3B	Vrije Universiteit Amsterdam; Ponsen & Looijen BV, Wageningen	Merel-Anne Brehm	The Clinical Assessment of Energy Expenditure in Pathological Gait	English
2007-030	Article	Sports	Sports Medicine	MetaLyzer 3B	Br J Sports Med 2007;41:101–105. doi: 10.1136/bjism.2006.031591	António Ascensão, Rita Ferreira, Franklim Marques, Eduardo Oliveira, Victor Azevedo, José Soares, José Magalhães	Effect of off-road competitive motocross race on plasma oxidative stress and damage markers	English

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2007-029	Abstract	Medical	Nutrition	MetaMax I	Eisenklinik.de	Tim Meyer (Institut für Sportmedizin, Universität Paderborn), Nina Gäßler und Wilfried Kindermann (Institut für Sport- und Präventivmedizin, Universität des Saarlandes)	Optimale Fettverbrennung	German
2007-028	Abstract	Medical	Nutrition	MetaLyzer	Rheumatology 2008 47(4):500-506; doi:10.1093/rheumatology/ken022	G. S. Metsios ^{1,2,3} , A. Stavropoulos-Kalinoglou ^{1,2,3} , V. F. Panoulas ² , Y. Koutedakis ^{1,3} , A. M. Nevill ¹ , K. M. J. Douglas ² , M. Kita ² and G. D. Kitas ^{2,4}	New resting energy expenditure prediction equations for patients with rheumatoid arthritis	English
2007-027	Article	Medical	Pneumology	MetaMax 3B	Pneumologie 2007; 61: 291±294	R. F. Kroidl, S. Schwarz, B. Lehnigk	Historische Aspekte zu Belastungsuntersuchungen, speziell zur Spiroergometrie ¹ Historical Aspects on CPET (Cardio Pulmonary Exercise Testing)	German
2007-026	Article	Sports	Nutrition	General	BodyMedia 10/2007	Stefan Linder	Dünne Luft für Dicke	German
2007-025	Study	Medical	Nutrition	MetaMax 3B	International Journal of Behavioral Nutrition and Physical Activity	Ralph Maddison* ¹ , Cliona Ni Mhurchu† ¹ , Yannan Jiang† ¹ , Stephen Vander Hooft† ¹ , Anthony Rodgers† ¹ , Carlene MM Lawes† ¹ and Elaine Rush† ²	International Physical Activity Questionnaire (IPAQ) and New Zealand Physical Activity Questionnaire (NZPAQ): A doubly labelled water validation	English
2007-024	Study	Sports	Swim	General	Poster, DGSP 2007	Ziegler, Mohnke, Schwarz, Reer, Braumann	Paradoxe geringere Sauerstoffaufnahme in der Nachbelastungsphase nach einem 50m-Freistil Sprint in Apnoe	
2007-023	Study	Sports	Swim	General	Poster, DGSP 2007	R. Reer, M. Ziegler, K-M Braumann, Uni Hamburg	Die Bedeutung der Spiroergometrie beim Schwimmen zur Beurteilung der Ergometrie	German
2007-022	Study	Sports	Sports Medicine	General	Poster, DGSP 2007	Rosenberger F1, Meyer T1,2, Kindermann W1 1Institut für Sport- und Präventivmedizin, Universität des Saarlandes, Saarbrücken 2Institut für Sportmedizin, Universität Paderborn	Der negativ chronotrope Effekt von Metoprolol während körperlicher Belastung: Eine Meta-Analyse als Grundlage für Vergleiche mit kardialen Ausdauertrainingseffekten	German
2007-021	Study	Sports	Sports Medicine	General	Poster, DGSP 2007	Rosenberger F1, Meyer T1,2, Gäßler N1, Faude O1,2, Kindermann W1 1Institut für Sport- und Präventivmedizin, Universität des Saarlandes, Saarbrücken 2Institut für Sportmedizin, Universität Paderborn	Prozentsätze der VO ₂ max als Intensitätsvorgabe: Ist die metabolische Beanspruchung interindividuell vergleichbar?	German

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2007-020	Article	Fitness	Fitness	AIRCHECK	msn, 1/07	Stephan Groß, Diplom Sportwissenschaftler	Optimale Leistung	German
2007-019	Study	Medical	Cardiology	MetaLyzor II	Eur J Appl Physiol (2007) 101:397–407	James Faulkner Æ Gaynor Parfitt Æ Roger Eston	Prediction of maximal oxygen uptake from the ratings of perceived exertion and heart rate during a perceptually-regulated sub-maximal exercise test in active and sedentary participants	English
2007-018	Study	Medical	Cardiology	MetaLyzor II	Eur J Appl Physiol (2007) 101:613–620	James Faulkner Æ Roger Eston	Overall and peripheral ratings of perceived exertion during a graded exercise test to volitional exhaustion in individuals of high and low fitness	English
2007-017	Study	Medical	Cardiology	MetaLyzor II	Psychophysiology, 44 (2007), 779–786. Blackwell Publishing Inc. Printed in the USA.	ROGER ESTON,a JAMES FAULKNER,a ALAN ST CLAIR GIBSON,b TIM NOAKES,c and GAYNOR PARFITTA	The effect of antecedent fatiguing activity on the relationship between perceived exertion and physiological activity during a constant load exercise task	English
2007-016	Article	Medical	Prevention	MetaMax 3B	Focus 15.1.2007	Dr. Frank Sommer, Uni-Klinik Eppendorf	Die Medizin für den Mann	German
2007-015	Article	Fitness	Fitness	AIRCHECK	FitnessNews, Österreich	SüssMed	Ergospirometrie & Hypoxico Schwellenanalyse, Fettverbrennung, Grundumsatz	German
2007-014	Article	Fitness	Fitness	AIRCHECK, MetaMax 3B,	body LIFE 9/2007	Elmar Trunz-Carlisi	Professionelle Leistungsdiagnostik	German
2007-013	Article	Sports	Sports Medicine	MetaMax 3B	MountainBIKE	Jörg Schüller	Das grosse Messen	German
2007-012	Article	Sports	Sports Medicine	MetaMax 3B	Bild	http://www.bild.t-online.de/BTO/sport/bundesliga/2007/07/26/magath-felix-maskentest/training-wolfsburg-kondition_geo=2203818.html#	Felix Maghat stellt Woflborg auf den Kopf - Neuer Masken-Test	German
2007-011	Article	Medical	Occupational Health	MetaMax 3B	Priv.-Doz. Dr.-Ing. K. Kluth, Dipl.-Wirt.-Ing. M. Penzkofer, Prof. Dr. H. Strasser	Priv.-Doz. Dr.-Ing. K. Kluth, Dipl.-Wirt.-Ing. M. Penzkofer, Prof. Dr. H. Strasser	Lebensalter und Kältarbeit	German
2007-010	Article	Sports	Nutrition	MetaMax 3B	FitForFun	IPN – Institut für Prävention und Nachsorge	Alltag kann schlank machen	German
2007-009	Article	Sports	Nutrition	General	Focus	Margit Pratschko	Dünne Luft für Dicke	German

Selected CORTEX Publications

No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2007-008	Study	Sports	Swim	MetaMax	Uni Saarbrücken, Uni Paderborn, O. Faude, T. Meyer, F. Weins, W. Kindermann	O. Faude, T. Meyer, F. Weins, W. Kindermann	Effekte eines umfang- vs. intensitätsbetonten Trainingsprogramms im Schwimmsport	German
2007-007	Article	Sports	Sports Medicine	MetaMax 3B	trainer	Rita Hoogestraat	Exakte Leistungsdiagnostik - Fachtrainer für Spiroergometrie	German
2007-006	Article	Sports	Sports Medicine	MetaMax 3B	medicalsports network	Dr. Johann Hutsteiner	Sport und Sportmedizin in der Bundeswehr	German
2007-005	Abstract	Medical	Nutrition	MetaMax I	Appl Physiol Nutr Metab. 32:249-256, 2007, http://www.ncbi.nlm.nih.gov/pubmed/17486166	Meyer T, Gässler N und Kindermann W.	Determination of "Fatmax" with 1 h cycling protocols of constant load.	English
2007-004	Study	Medical	Intensive Care	General	The Times	Will Pavia	Tears and triumph of children who tackled Everest for medical science	English
2007-003	Article	Sports	Sports Medicine	MetaMax 3B	Bodymedia	IPN – Institut für Prävention und Nachsorge, Peter Böhm, Sebastian Ochs, Elmar Trunz-Carlisi	Der IPN-Laufband-Test - Für ein zielgerichtetes und praxisgerechtes Ausdauertraining	German
2007-002	Article	Sports	Sports Medicine	MetaMax 3B	Eur J Appl Physiol DOI 10.1007/s00421-007-0441-8	Oliver Faude · Tim Meyer · Friederike Rosenberger · Markus Fries · Günther Huber · Wilfried Kindermann	Physiological characteristics of badminton match play	English
2007-001	Study	Sports	Sports Medicine	MetaMax 3B	Sportphysiotherapie aktuell	R. Jansen, D. Schmidtbleicher, J. Cabri	Kardiopulmonale Reaktionen während intensiven Krafttrainings bei männlichen Handballspielern	German
2006-027		Medical	Occupational Health	MetaMax 3B	FACULTY OF MEDICINE, DEPARTMENT OF PHYSIOLOGY, CENTRE FOR ARCTIC MEDICINE, THULE INSTITUTE, UNIVERSITY OF OULU; FINNISH INSTITUTE OF OCCUPATIONAL HEALTH, OULU	Tiina M. Mäkinen	HUMAN COLD EXPOSURE, ADAPTATION AND PERFORMANCE IN A NORTHERN CLIMATE	English
2006-026	Abstract	Sports	Sports Medicine	MetaMax II, Swim	University of Ljubljana, Faculty of Sport, Ljubljana, Slovenia.	Boro Strumbej, Anton Usaj, Jernej Kapus, Jakob Bednarik	EVIDENCE OF INSUFFICIENT PULMONARY VENTILATION DURING CRAWL SWIMMING WITH MAXIMAL AND SUPRAMAXIMAL INTENSITIES	English

Selected CORTEX Publications

No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2006-025	Abstract	Sports	Sports Medicine	MetaMax II, Swim	Xth INTERNATIONAL SYMPOSIUM Biomechanics in Swimming and Medicine PORTO > PORTUGAL > 2006 Rev Port Cien Desp 6(Supl.1) 71-132 page 71-72	Aspenes S1, Kjendlie P-L2 1The Norwegian University of Science and Technology, Trondheim, Norway 2Norwegian School of Sport Sciences, Oslo, Norway.	THE RELIABILITY OF VO2-MEASUREMENTS IN SWIMMING: A PILOT STUDY.	English
2006-024	Thesis	Medical	Cardiology	General	Aus der Medizinischen Universitätsklinik und Poliklinik Tübingen Abteilung Innere Medizin IV Ärztlicher Direktor: Professor Dr. A. Niess	Inaugural- Dissertation zur Erlangung des Doktorgrades der Medizin der Medizinischen Fakultät Eberhard- Karls- Universität zu Tübingen Annette Zeiselmeier aus Rottweil	Die Kinetik der Sauerstoffaufnahme bei Belastungsbeginn in Relation zum Herzfrequenzanstieg und der alveolären Sauerstoffkonzentration	German
2006-023	Abstract	Sports	Sports Medicine	MetaMax 3B	11TH ANNUAL CONGRESS OF THE EUROPEAN COLLEGE OF SPORT SCIENCE; OP3-02 Training and Testing 6/7 - "Turin ABC"; LAUSANNE/ SWITZERLAND, 05-08 JULY 2006; page 461-462	Takken, T., van Bergen, M., Sakkers, R., Helders, P., Engelbert, R. Wilhelmina Children's Hospital, University Medical Center Utrecht, Netherlands	CARDIOPULMONARY EXERCISE CAPACITY AND MUSCLE STRENGTH IN CHILDREN AND ADOLESCENTS WITH ACHONDROPLASIA: IS THERE A DISADVANTAGE OF BEING SMALL?	English
2006-022	Abstract	Sports	Sports Medicine	MetaLyzer 3B	11TH ANNUAL CONGRESS OF THE EUROPEAN COLLEGE OF SPORT SCIENCE; PP1-01 Physiology 1-9 - "Exhibition Hall", page 78	Maassen, N., Vardaxoglou, K., Frische, M.; Medical School Hannover, Germany	THE IMPACT OF HIGHLY INTENSIVE INTERVAL LIKE TRAINING ON RESPIRATION	English
2006-021	Abstract	Sports	Sports Medicine	MetaMax	11TH ANNUAL CONGRESS OF THE EUROPEAN COLLEGE OF SPORT SCIENCE; PP3-01 Physiology 1-9 - "Exhibition Hall", page 506	Troubat, N., Gluck, M.-A., Dugue, B.; EA 3813 - University of Poitiers, France, France	THE STRESS OF CHESS PLAYERS. A MODEL TO STUDY THE EFFECTS OF PSYCHOLOGICAL STIMULUS ON BIOLOGICAL RESPONSES. AN EXAMPLE ON ENERGY EXPENDITURE IN MAN	English
2006-020	Abstract	Sports	Sports Medicine	MetaMax I	11TH ANNUAL CONGRESS OF THE EUROPEAN COLLEGE OF SPORT SCIENCE; PP2-02 Training and Testing 1-7 - "Exhibition Hall", page 520-521	Frøyd, C. Sogn og Fjordane University College, Norway	PHOSPHATE INGESTION LOWER BLOOD LACTATE CONCENTRATION AFTER A MAXIMAL OXYGEN CONSUMPTION TEST	English
2006-019	Abstract	Sports	Sports Medicine	MetaMax II	11TH ANNUAL CONGRESS OF THE EUROPEAN COLLEGE OF SPORT SCIENCE; PP2-02 Training and Testing 1-7 - "Exhibition Hall", page 318-319	Marzin, T., Hartmann, U., Niessen, M. Departement for Theory and Practice in Sport, Technical University Munich, Germany, Germany	METABOLIC CONSIDERATIONS OF STRENGTH TRAINING IN THE ELDERLY, RECREATIONAL AND ELITE SPORTS	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2006-018	Abstract	Sports	Sports Medicine	MetaMax	11TH ANNUAL CONGRESS OF THE EUROPEAN COLLEGE OF SPORT SCIENCE; PP1-01 Physiology 1-9 - "Exhibition Hall", page 72	Oliveira Marques, F., Tavares, P., Rosado, M.F., Ribeiro, G., Anjos, L., Fontes Ribeiro, C.A. Faculty of Sport Sciences and Physical Education, University of Coimbra, Portugal	COMPARISON OF THE VASTUS LATERALIS NEUROMUSCULAR ACTIVITY IN CYCLISTS AND LONG-DISTANCE RUNNERS	English
2006-017	Abstract	Sports	Sports Medicine	MetaMax	Ergonomics. 2006 Jun 10;49(7):651-60.	Davies SE, Mackinnon SN. Department of Sports Management, Cape Peninsula University of Technology, Mowbray Campus, 7700, Cape Town, Republic of South Africa. daviess@cput.ac.za	The energetics of walking on sand and grass at various speeds.	English
2006-016	Study	Medical	Rehabilitation	MetaMax 3B	PHYS THER Vol. 86, No. 8, August 2006, pp. 1107-1117	Olaf Verschuren, Tim Takken, Marjolijn Ketelaar, Jan Willem Gorter and Paul JM Helders	Reliability and Validity of Data for 2 Newly Developed Shuttle Run Tests in Children With Cerebral Palsy	English
2006-015	Study	Sports	Sports Medicine	MetaMax 3B	Journal of Sports Science and Technology Volume 6, No. 2, 2006	Arunya NAINATE1, Rungchai CHAUNCHAIYAKUL2 1Physical Therapy Unit, Physical Medicine & Rehabilitation Division, Charoenkrungpracharak Hospital , 8 Charoenkrung Rd., Bangkok 10120 2 College of Sports Science & Technology, Mahidol University, Salaya, Nakomprathom 73170, Thailand	CARDIO-RESPIRATORY RESPONSES DURING CONTINUOUS EXERCISE UNDER HEAT STRESS IN SEDENTARY SUBJECTS	English
2006-014	Study	Sports	Sports Medicine	MetaLyzer II	Jahrgang 57, Nr. 10 (2006) DEUTSCHE ZEITSCHRIFT FÜR SPORTMEDIZIN	Marschall F1, Kolb C1, Wittstadt T1, Meyer T2	Zum Verhältnis von metabolischer und kardialer Beanspruchung auf drei unterschiedlichen Ergometertypen: Fahrrad, Cross-Trainer und Stairmaster Metabolic and cardiocirculatory strain on three different ergometer types: Cycling, Cross-Trainer and Stairmaster	German, English Summary
2006-013	Article	Medical	Cardiology	General	MTD 9/2006	Prof. Dr. med. Sigmund Silber	Kardiologen mit hoher medizinischer Leistungsstruktur	German
2006-012	Study	Medical	Cardiology	MetaLyzer II	Eur J Appl Physiol (2006) 97: 535–541	Roger G. Eston Æ James A. Faulkner Elizabeth A. Mason Æ Gaynor Parfitt	The validity of predicting maximal oxygen uptake from perceptually regulated graded exercise tests of different durations	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2006-011	Study	Sports	Sports Medicine	MetaMax 3B	Magisterarbeit, Manuela Motschall	M. Motschall, H. Mechling	Nordic Walking, Walking, Power Walking und Jogging , Vergleichende Betrachtungen der kardiopulmonalen und metabolischen Beanspruchung sowie des subjektiven Belastungsempfindens	German
2006-010	Study	Sports	Sports Medicine	MetaMax 3B	Magisterarbeit, Manuela Motschall	M. Motschall - University of Bonn, Germany H. Mechling - German Sport University Cologne, Germany	Differences between Nordic Walking, Walking, Power Walking and Jogging regarding oxygen consumption and heart rate	English
2006-009	Abstract	Medical	Pneumology	MetaMax 3B	Sir Charles Gairdner	Danielle Philippe, Dept of Pulmonary Physiology Sir Charles Gairdner Hospital Hospital Avenue, Nedlands WA 6009	Stress test methods used in patients with different cases using Metamax 3B	English
2006-008	Abstract	Sports	Sports Medicine	MetaMax, MetaLyzer	University of Bern, University of Lausanne, École Polytechnique Fédérale de Lausanne and the Swiss Society of Sports Medicine	BOOK OF ABSTRACTS Edited by: Hoppeler H., Reilly T., Tsolakidis E., Gfeller L., Klossner S.	11th annual Congress of the EUROPEAN COLLEGE OF SPORT SCIENCE 05-08 July LAUSANNE 2006 - Switzerland;	
2006-007	Study	Sports	Sports Medicine	MetaMax 3B	ECSS, Poster, FACULTY OF SPORT SCIENCES AND PHYSICAL EDUCATION UNIVERSITY OF COIMBRA - PORTUGAL	Fernando O. Marques, Paula Tavares, Fátima Rosado, Gustavo Ribeiro, and C. A. Fontes Ribeiro Center of Biokinetic Studies - Faculty of Sport Sciences and Physical Education, University of Coimbra, Portugal	Comparism of the vastus lateralis neuromuscular activity in cyclists and long-distance runners	English
2006-006	Article	Sports	Sports Medicine	MetaMax 3B	SportSupport Oberhof, S. 14-15	Thomas Recknagel, OSP Oberhof	Partner in der Leistungsdiagnostik Wenn durch die Maske geatmet wird...	German
2006-005	Study	Medical	Rehabilitation	General	Journal of Cardiopulmonary Rehabilitation	J. P. Ribeiro, R. Stein, G. R. S. Chiappa	Beyond peak oxygen uptake	English
2006-004	Study	Sports	Sports Medicine	General	body LIFE 3/2006	P. Preuß, R. Heiduk	Status quo der Trainingswissenschaft	German
2006-003	Study	Medical	Cardiology	General	ProPraxis Cardiology	PD Dr. T. Stemper	Herz-Kreislauf-Training an Geräten, Cardio-Workout	German
2006-002	Study	Sports	Sports Medicine	MetaMax II	International Journal of Sports Medicine	A. Krieg, T. Meyer, S. Clas, W. Kindermann	Characteristics of Inline Speedskating – Incremental tests and effect of Drafting	English

Selected CORTEX Publications

No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2006-001	Study	Medical	Cardiology	MetaMax, MetaLyzer	Ukrainsky Pulmonology Journal	Al. Jatshnik	Möglichkeiten der Ergospirometrie bei der frühzeitigen Diagnostik von Störungen im Blutkreislauf bei OCPD-Kranken	Russian
2005-024	Thesis	Medical	Sports Medicine	MetaMax 3B	Institute of Biomedical Engineering, Taiwan	Shih-Yun Lin; yun049@yahoo.com.tw	Develop and cardiopulmonary exercise test of unilateral-operated wheelchair	Taiwanese, English Summary
2005-023	Abstract	Sports	Sports Medicine	MetaLyzer 3B	page 131/132; Journal of Sports Sciences, 2005, 23, 93–223; Annual Conference of the British Association of Sport and Exercise Sciences Liverpool, 7th – 9th September 2004	S. Wilson ¹ , R. G. Eston ² and A. V. Rowlands ¹ ¹ School of Sports, Health and Exercise Sciences, University of Wales, Bangor, LL57 2PX and ² School of Sport and Health Sciences, University of Exeter	57. The efficacy of the Category Ratio Perceived Exertion scale (CR10) to predict maximal functional capacity during cycle ergometry	English
2005-022	Abstract	Sports	Sports Medicine	MetaMax 3B	page 137/138; Journal of Sports Sciences, 2005, 23, 93–223; Annual Conference of the British Association of Sport and Exercise Sciences Liverpool, 7th – 9th September 2004	C. Douglas Thake and Mike J. Price School of Science and the Environment, Coventry University, Priory Street, Coventry, CV1 5FB	86. Graded exercise testing for uphill walking studies.	English
2005-021	Study	Sports	Sports Medicine	MetaMax	Medicine & Science in Sports & Exercise: Volume 37(5) Supplement May 2005 p S433	Resaland, Geir K.1; Mamen, Asgeir ¹ ; Bo Andersen, Lars ² ; Anderssen, Sigmund ² ¹ Sogn og Fjordane University College, Sogndal, Norway. ² Norwegian University of Sport and Physical education, Oslo, Norway. Email: geir.kare.resaland@hisf.no	Levels Of Vo ₂ peak, Body Mass Index, Waist Circumference Index And Waist To Hip Ratio In 116 Nine Year Old Children In Rural	English
2005-020	Study	Sports	Sports Medicine	MetaMax, MetaLyzer	page 68, Finnish Defence Forces Department of Biology of Physical Activity, University of Jyväskylä, Finland	Lindholm H ¹ , Ilmarinen R ¹ , Rintamäki H ² , Oksa J ² , Karinkanta J ³ , Strengell T ⁵ , Lepistö P ³ , Laine K ¹ , Rissanen S ² , Mäkinen T, Santtila M ³ , Palvalin K ³ , Rusko H ⁴ and Mätkiä E ⁵ ¹ Finnish Institute of Occupational Health, Helsinki, Finland, ² Oulu Regional Institute of Occupational Health, Oulu, Finland, ³ Training Division of the Finnish Defense Staff, Finland, ⁴ Department of Biology of Physical Activity, University of Jyväskylä, Finland, ⁵ Department of Health Sciences, University of Jyväskylä, Finland	ESTIMATED AND MEASURED OXYGEN CONSUMPTION OF A SOLDIER DURING A FOOT MARCH	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2005-019	Study	Sports	Sports Medicine	MetaMax 3B	page 52, Finnish Defence Forces Department of Biology of Physical Activity, University of Jyväskylä, Finland	Oliver SJ1, Wilson SJ1, Lang SJ1, Jackson AR1, Bilzon LJ2 and Walsh NP1. 1University of Wales, Bangor, UK, 2Headquarters Army Training and Recruiting Agency, Upavon, UK.; International Congress on Soldiers' Physical Performance May 18-22, 2005, Jyväskylä, Finland	THE EFFECTS OF A 48 HOUR PERIOD OF FLUID, CALORIE OR COMBINED FLUID AND CALORIE RESTRICTION ON 30 MINUTE TREADMILL TIME TRIAL PERFORMANCE	English
2005-018	Study	Sports	Sports Medicine	MetaMax I	American Heart Journal May 2005	Tim Meyer, MD, PhD,a Gu¨nter Go¨rge, MD, PhD,b Bernhard Schwaab, MD, PhD,c Katharina Hildebrandt, MD,a Jens Walldorf, MD,a Christine Scha¨fer, MD,a Ingrid Kindermann, MD,d Ju¨rgen Scharhag, MD,a and Wilfried Kindermann, MD, PhDa Saarbru¨cken, Timmendorfer Strand, and Homburg, Germany	An alternative approach for exercise prescription and efficacy testing in patients with chronic heart failure: A randomized controlled training study	English
2005-017	Article	Sports	Sports Medicine	MetaMax	Br J Sports Med 2005;39:264–266. doi: 10.1136/bjism.2003.011254	M C McIntyre, M Hall	Physiological profile in relation to playing position of elite college Gaelic footballers	English
2005-016	Article	Sports	Sports Medicine	MetaMax	Br J Sports Med 2005;39:948–953. doi: 10.1136/bjism.2005.019844	G L Close, T Ashton, T Cable, D Doran, C Noyes, F McArdle, D P M MacLaren	Effects of dietary carbohydrate on delayed onset muscle soreness and reactive oxygen species after contraction induced muscle damage	English
2005-015	Article	Sports	Sports Medicine	MetaMax I	Br J Sports Med 2005;39:171–177. doi: 10.1136/bjism.2004.013060	J Scharhag, T Meyer, H H W Gabriel, B Schlick, O Faude, W Kindermann	Does prolonged cycling of moderate intensity affect immune cell function?	English
2005-014	Article	Sports	Sports Medicine	MetaMax II	Br J Sports Med 2005;39:273–277. doi: 10.1136/bjism.2004.012526	K McMillan, J Helgerud, R Macdonald, J Hoff	Physiological adaptations to soccer specific endurance training in professional youth soccer players	English
2005-013	Study	Medical	Occupational Health	MetaMax 3B	Occupational Medicine doi:10.1093/occmed/kqj168	T. Reilly1, C. Iggleden1, M. Gennser2 and M. Tipton1	Occupational fitness standards for beach lifeguards. Phase 2: the development of an easily administered fitness test	English
2005-012	Study	Medical	Cardiology	MetaMax 3B	The University of Auckland	KAREN LYNN MOY	PHYSICAL ACTIVITY AND FITNESS MEASURES IN NEW ZEALAND: A STUDY OF VALIDATION AND CORRELATION WITH CARDIOVASCULAR RISK FACTORS	English

Selected CORTEX Publications

No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2005-011	Study	Medical	Nutrition	General	Int J Sports Med 2005; 26: S28-S37	Jeukendrup AE, Wallis GA.	Measurement of substrate oxidation during exercise by means of gas exchange measurements	English
2005-010	Study	Sports	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin	U. Künstlinger	Belastung und Belastbarkeit im Spitzensport	German
2005-009	Study	Medical	Sports Medicine	General	Ärzte Zeitung	dür	Ohne Prävention könnte das System bald zusammenbrechen	German
2005-008	Summary	Sports	Sports Medicine	MetaMax	Military Medicine	CJ Christie, PA Scott	Metabolic responses of South African soldiers during simulated marching with 16 combinations of speed and backpack load	English
2005-007	Study	Medical	Sports Medicine	MetaMax I	Deutsche Zeitschrift für Sportmedizin	Auracher M., Meyer T., Kindermann W.	Abschätzung von Herzzeit- und Schlagvolumen unter ansteigender Belastung anhand des Verlaufs der Sauerstoffleistungskurve: Anwendung der nichtinvasiven Stringer-Methode an KHK-Patienten und Ausdauertrainierten	German
2005-006	Study	Medical	Sports Medicine	MetaMax 3X	International Journal of Sports Medicine	Abdul Rashid Aziz, Frankie H. Y. Tan, Kong Chuan The	A pilot study comparing two field tests with the treadmill run test in soccer players	English
2005-005	Study	Medical	Sports Medicine	MetaMax II	Medicine & Science in Sports & Exercise	F. Rosenberger, T. Meyer, W. Kindermann	Running 8000m fast or slow: Are there differences in energy cost and fat metabolism?	English
2005-004	Summary	Medical	Pneumology	MetaMax	International Journal of Rehabilitation Research	T. Puckree, V. Amy Lauten, S. Moddley, J. Naidoo, K. Ramsammy	Thoracolumbar corsets alter breathing pattern in normal individuals	English
2005-003	Study	Medical	Sports Medicine	MetaMax II	International Journal of Sports Medicine, S1, Vol 26	T. Meyer, R. C. R. Davison, W. Kindermann	Ambulatory gas exchange measurements – current status and future options	English
2005-002	Study	Medical	Sports Medicine	MetaMax I, MetaLyzer 3B	International Journal of Sports Medicine, S1, Vol 26	G. Atkinson, R. C. R. Davison, A. M. Neil	Performance characteristics of gas analysis systems: What we know and what we need to know	English
2005-001	Summary	Sports	Sports Medicine	MetaMax 3B	International Journal of Sports Medicine	M. Kingsley, M. J. Lewis, R. E. Marson	Comparison of Polar 810s and an ambulatory ECG system for RR interval measurement during progressive exercise	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2004-011	Article	Sports	Sports Medicine	MetaMax	Br J Sports Med 2004;38:129–133. doi: 10.1136/bjism.2002.000760	M F Piacentini, R Meeusen, L Buyse, G De Schutter, K De Meirleir	Hormonal responses during prolonged exercise are influenced by a selective DA/NA reuptake inhibitor	English
2004-010	Study	Medical	Sports Medicine	MetaMax 3B	University of Technology Auckland	Erica A. Hinckson	Effect of Simulated Altitude Exposure on sea Level Performance	English
2004-009	Study	Medical	Sports Medicine	MetaMax 3B	International Journal of Sports Medicine	K. Heinicke, I. Heinicke, W. Schmidt, B. Wolfarth	A three-week traditional altitude training increases hemoglobin mass and red cell volume in elite biathlon athletes	English
2004-008	Study	Medical	Sports Medicine	MetaMax II	International Journal of Sports Medicine, 2004Feb;25(2);115-23	P. U. Larsson, K. M. E. Wadell, E. J. I. Jakobsson, L. U. Burlin, K. B. Henriksson-Larsén	Validation of the MetaMax II Portable Metabolic Measurement System	English
2004-007	Summary	Sports	Sports Medicine	General	Spinal Cord	B. Knechtke, G. Müller,	Optimal exercise intensities for fat metabolism in handbike cycling and cycling	English
2004-006	Summary	Sports	Sports Medicine	MetaMax 3B	ECSS 2004	Mäder Urs, Maillat Cédric, Clénin German Mahn Holger, Marti Bernard (Federal Office of Sport, Magglingen, Switzerland)	Field evaluation of energy expenditure using heart rate during acute exposure to moderate and high altitude	English
2004-005	Study	Medical	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin	W. Kindermann	Anaerobe Schwelle	German
2004-004	Study	Medical	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin	M. Huonker	Sekundärprävention und Rehabilitation/bilitation von Herz-Kreislaufkrankungen – Pathologische Aspekte und Belastungssteuerung von körperlichem Training	German
2004-003	Study	Medical	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin	JM. Steinacker, Y. Liu, F. Stilgenbauer, K. Nething	Körperliches Training mit Herzinsuffizienz	German
2004-002	Study	Medical	Sports Medicine	MetaMax I	International Journal of Sports Medicine	Reis VM, Duarte JA, Espírito-Santo J, Russell AP	Determination of accumulated oxygen deficit during a 400 m run	English
2004-001	Article	Sports	Sports Medicine	MetaMax I	Br J Sports Med 2004;38:622–625. doi: 10.1136/bjism.2003.007815	T Meyer, O Faude, J Scharhag, A Urhausen, W Kindermann	Is lactic acidosis a cause of exercise induced hyperventilation at the respiratory compensation point?	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2003-034	Study	Medical	Occupational Health	MetaMax	First published 2003 by Routledge 11 New Fetter Lane, London EC4P 4EE Simultaneously published in the USA and Canada by Routledge 29 West 35th Street, New York,	Thomas Reilly and Mike Marfell-Jones	Kinanthropometry VIII; Proceedings of the 8th International Conference of the International Society for the Advancement of Kinanthropometry (ISAK)	English
2003-033	Abstract	Sports	Sports Medicine	MetaLyzer 3B	KV-134; S 44 DEUTSCHE ZEITSCHRIFT FÜR SPORTMEDIZIN Jahrgang 54, Nr. 7/8 (2003)	Norbert Maassen, J. Stockmeyer, M Hilbert Betriebseinheit Sportphysiologie/Sportmedizin, Medizinische Hochschule Hannover	Combustion of fat during intermittent exercise of high intensity	English
2003-032	Abstract	Sports	Sports Medicine	MetaLyzer 3B	KV-132; S 52 DEUTSCHE ZEITSCHRIFT FÜR SPORTMEDIZIN Jahrgang 54, Nr. 7/8 (2003)	Norbert Maassen, J. Stockmeyer, M Hilbert Betriebseinheit Sportphysiologie/Sportmedizin, Medizinische Hochschule Hannover	Fettverbrauch bei hochintensiver Intervallbelastung	German
2003-031	Abstract	Sports	Sports Medicine	MetaMax 3B	Po-053; S 57 DEUTSCHE ZEITSCHRIFT FÜR SPORTMEDIZIN Jahrgang 54, Nr. 7/8 (2003)	Carsten Wüpper, U Hillmer-Vogel, A Niklas Zentrum Anaesthesiologie, Rettungs- und Intensivmedizin, Universitätsklinik Göttingen	Validoty of single breath analysis - A comparison between Metamax 3B (Company: Cortex) and the Douglas Bag-method	English
2003-030	Abstract	Sports	Sports Medicine	MetaMax 3B	Po-053; S 66 DEUTSCHE ZEITSCHRIFT FÜR SPORTMEDIZIN Jahrgang 54, Nr. 7/8 (2003)	Carsten Wüpper, U Hillmer-Vogel, A Niklas Zentrum Anaesthesiologie, Rettungs- und Intensivmedizin, Universitätsklinik Göttingen	Validität der Einzelatemzuganalyse - Ein Vergleich zwischen Metamax 3B (Fa. Cortex) und der Douglas-Bag-Methode	German
2003-029	Abstract	Sports	Sports Medicine	MetaLyzer 3B	Po-210; Jahrgang 54, Nr. 7/8 (2003) DEUTSCHE ZEITSCHRIFT FÜR SPORTMEDIZIN S 105	M. Hilbert, N. Maassen Sportphysiologie/Sportmedizin, Med. Hochschule Hannover	The kinetics of ventilation and VCO ₂ during exercise after preceding hyperventilation	English
2003-028	Abstract	Sports	Sports Medicine	MetaLyzer 3B	Po-210; Jahrgang 54, Nr. 7/8 (2003) DEUTSCHE ZEITSCHRIFT FÜR SPORTMEDIZIN S 105	M. Hilbert, N. Maassen Sportphysiologie/Sportmedizin, Med. Hochschule Hannover	Die Kinetik von Atemminutenvolumen und CO ₂ -Abgabe bei Belastung nach vorausgegangener Hyperventilation	German

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2003-027	Study	Medical	Cardiology	General	European Heart Journal (2003) 24, 1304–1313	Romualdo Belardinella*, Francesca Lacalapricea, Flavia Carleb, Adelaide Minnucci, Giovanni Ciancia, GianPiero Perna, Giuseppe D'Eusanio aLancisi Heart Institute, Department of Cardiology and Cardiac Surgery, Ancona, Italy bDepartment of Epidemiology, Biostatistics and Medical Information Technology, University of Ancona, Ancona, Italy	Exercise-induced myocardial ischaemia detected by cardiopulmonary exercise testing	English
2003-026	Article	Medical	Pneumology	General	Am J Respir Crit Care Med 2003;168:425-430	Saey D, Debigare R, LeBlanc P, M. Mador J, Cote CH, Jobin J, Maltais F	Bestimmung der Muskelkraft	German
2003-025	Article	Medical	Pneumology	General	Am J Respir Crit Care Med 2003;168:1034-1042	Emtner M, Porszasz J, Burns M, Somfay A, Casaburi R	Sauerstoff und Training bei COPD	German
2003-024	Study	Medical	Pneumology	MetaMax II	European Journal of Appl. Physiology	T. Meyer, H.H.W. Gabriel, M. Auracher, J. Scharhag, W. Kindermann	Metabolic profile of 4 h cycling in the field with varying amounts of carbohydrate supply	English
2003-023	Study	Medical	Pneumology	General	Ärzte Woche, 17. Jahrgang, Nr. 35	Prim. Univ. Prof. Dr. W. Popp	Update: Lungenfunktionsdiagnostik	German
2003-022	Study	Medical	Sports Medicine	MetaMax	Germane Zeitschrift für Sportmedizin	K. Hottenrott, O. Hoos	Belastung und Beanspruchung beim Laufen in frischem und ermüdetem Zustand	German
2003-020	Study	Sports	Sports Medicine	MetaMax 3B	ACNR	K. J. Hunt, A. N. McLean, S. Coupaud, H. Gollee	Upper-limb exercise in tetraplegia using functional electric stimulation	English
2003-019	Study	Sports	Sports Medicine	General	Feel fit	Prof. Dr. K. Hottenrott	Training und Wettkampf mit der Herzfrequenz	German
2003-018	Study	Medical	Cardiology	General	Journal für Cardiology	M. Wonisch, P. Hoffmann, R. Pokan, W. Kraxner, R. Hödl, R. Maier, N. Watzinger, G. Smekal, W. Klein, F. M. Fruhwald	Spiroergometrie in der Cardiology – Grundlagen der Physiologie und Terminologie	German
2003-017	Study	Medical	Cardiology	General	Journal für Cardiology	M. Wonisch, W. Kraxner, R. Hödl, N. Watzinger, R. Maier, P. Hoffmann, R. Pokan, D. Scherr, W. Klein, F. M. Fruhwald	Spiroergometrie in der Cardiology – Klinische Anwendungsmöglichkeiten	German
2003-016	Summary	Sports	Sports Medicine	MetaMax 3B	<u>Giornale italiano di medicina del lavoro ed ergonomia.</u>	F. Bigoni, D. Borleri, P. Sehhizzi, G. Mosconi	Cardiovascular assessment in building activities using an Ergospirometer	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2003-015	Summary	Sports	Sports Medicine	MetaMax 3B	Germane Zeitschrift für Sportmedizin	C. Wüpper, U. Hillmer-Vogel, A. Niklas	Validität der Einzelatemzuganalyse – Ein Vergleich zwischen MetaMax 3B (FA. Cortex) und der Douglas-Bag-Methode	German
2003-014	Study	Medical	Sports Medicine	MetaLyzer	International Journal of Sports Medicine	S. E. O'Sullivan; Trinity College Dublin	The effects of Exercise Training on Markers of Endothelial Function in Young Healthy Men	English
2003-013	Study	Medical	Cardiology	MetaLyzer 3B	European Journal of Medical Research; Eur J Med Res (2003) 8: 247-253	DAIG – Germane AIDS Gesellschaft	Relationship between ACE gene polymorphism and ischemic chronic heart failure in Turkish population	English
2003-012	Study	Medical	Sports Medicine	MetaMax I, MetaMax II	International Journal of Sports Medicine and Physical Fitness	O.J. Kemi, J. Hoff, L.C. Engen, J. Helgerud, U. Wisloff	Soccer specific testing of maximal oxygen uptake	English
2003-011	Summary	Medical	Pneumology	General	ATS 2003 Seattle, 99th International Conference	Spiroergometrie Arbeitsgruppe	Idiopathische Hyperventilation, Exercise induced Asthma bronchiale, Peak VO2 und Herztransplantation, Peak VO2 und Hochrisikopatienten vor Lungenresektion	German
2003-010	Summary	Sports	Sports Medicine	General	Medicine & Science in Sports & Exercise	B. Welde, F. Evertsen, E. von Heimburg, J. I. Medbo	Energy cost of free technique and classical cross-country skiing at racing speeds	English
2003-009	Study	Medical	Occupational Health	MetaMax	Communities and Local Government	University of Portsmouth, Department of Sport and Exercise Science, Dr. C. Elgin & Prof. M. Tipton	Physical capabilities of instructors at the end of Hot Fire Training	English
2003-008	Study	Medical	Sports Medicine	General	Deutsche Zeitschrift für Sportmedizin, Jg 54, S29		Der Respiratorische Quotient	German
2003-007	Study	Sports	Sports Medicine	General	Focus Nr. 22/2003	S. Varga, R. Thielicke	Fitness für den Rücken	German
2003-006	Study	Sports	Nutrition	General	Focus Nr. 21/2003	M. Kunz, G. Miketta, A. V. Gofferje	Was dich dick macht...	German
2003-005	Study	Sports	Sports Medicine	General	Focus Nr. 20/2003	M. Pratschko, W. Siefer	Der neue Leicht-Lauf-Plan	German
2003-004	Study	Sports	Sports Medicine	General	Focus Nr. 19/2003	H. Haltmeier, S. Varga	Was den Body bildet	German
2003-003	Study	Sports	Nutrition	General	Focus Nr. 18/2003	M. kunz	Trainieren, Genießen & dabei abspecken	German

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2003-002	Study	Medical	Sports Medicine	MetaMax I	International Journal of Sports Medicine	N. Chester, T. Reilly, D.R. Mottram; Liverpool John Moores University	Physiological, Subjective and Performance Effects of Pseudoephedrine and Phenypropanolamine During Endurance Running Exercise	English
2003-001	Study	Medical	Sports Medicine	MetaMax II	European Journal of Appl. Physiology	T. Meyer, J.-P. Welter, J. Scharhag, W. Kindermann	Maximal oxygen uptake during field running does not exceed that measured during exercise	English
2002-011	Study	Sports	Swim	MetaLyzer 3B	Institute of Biomedical & Biomolecular Sciences, Department of Sport and Exercise Science, University of Portsmouth, Portsmouth, UK PO1 2DT. *Dalhousie University, Halifax, Nova Scotia, Canada	M. Tipton, T Reilly*, C. Iggleden & A. Rees	FITNESS AND MEDICAL STANDARDS FOR BEACH LIFEGUARDS	English
2002-010	Study	Sports	Sports Medicine	MetaMax	Research Institute for Sport and Exercise Sciences, Liverpool John Moores University, Liverpool, United Kingdom	Thomas Reilly	Musculoskeletal Disorders in Health-Related Occupations	English
2002-009	Study	Sports	Sports Medicine	MetaMax II	Br. J. Sports Med. 2002;36;218-221	J Hoff, U Wisløff, L C Engen, O J Kemi and J Helgerud	Soccer specific aerobic endurance training	English
2002-008	Study	Medical	Pneumology	General	Circulation August 20, 2002	Maria Teresa La Rovere, MD; Chiara Bersano, MD; Marco Gnemmi, MD; Giuseppe Specchia, MD; Peter J. Schwartz, MD	Exercise-Induced Increase in Baroreflex Sensitivity Predicts Improved Prognosis After Myocardial Infarction	English
2002-007	Study	Sports	Sports Medicine	General	Japanese Journal of Physical Fitness and Sports Medicine	SATO SHINJI(Toho Univ., Sch. of Med.) TAKAHASHI MAYUMI(Saitamaidai Rihabiriteshonka) MAKITA SHIGERU(Saitamaidai Rihabiriteshonka)	Changes in Heart Rate Recovery (T30) on Cardiac Rehabilitation in Patients after Coronary Artery Bypass Surgery	English
2002-006	Study	Medical	Veterinary Medicine	MetaVet	fzmb	www.fzmb.de	Entwicklung eines Ergospirometrie-Systems für Pferde zum mobilen Einsatz auf Rennbahn, Reitplatz und im Gelände	German
2002-005	Study	Medical	Sports Medicine	MetaMax	Diplomarbeit	Oliver Faude	Kardiozirkulatorisches, metabolisches und ventilatorisches Verhalten während vierstündiger Dauerbelastung auf dem Fahrrad	German

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2002-004	Internal Study	Medical	Occupational Health	MetaMax I, MetaMax II	Examination, National Institute of Occupational Health Oslo	Jon Ingulf Medbo, Asgeir Mamen, Boye Welde, Erna von Heimburg, Rasmus Stokke, University Norway	Examination of the MetaMax I and II oxygen analysers during exercise studies in the laboratory	English
2002-003	Summary	Medical	Occupational Health	MetaMax I, MetaMax II	<u>Scandinavian Journal of Clinical and Laboratory Investigation.</u>	JI Medbo, A Mamen, B Welde, E von Heimburg, R Strokke	Examination of the Metamax I and II oxygen analysers during exercise studies in the laboratory	English
2002-002	Internal Study	Medical	Cardiology	MetaMax II	Validation, University of Umea, Sweden	Karin Henriksson-Larsén, Umea University Sweden	Comparison of the CPX System MetaMax II (CORTEX Biophysik) against the Douglas Bag method (validation study)	English
2002-001	Study	Sports	Sports Medicine	MetaMax 3B	BJSM – British Journal of Sports Medicine; Br. J. Sports Med. 2002;36:e1	D. h. Saunders, C. Greig, A. Young	Concurrent validity and reliability of VO2 measured using the MetaMax intensity cycling	English
2001-013	Study	Medical	Cardiology	General	Chest Journal 2001	Akira Koike, MD, Haruki Itoh, MD, Makoto Kato, MD, Hitoshi Sawada, MD, Tadanori Aizawa, MD, Long Tai Fu, MD, and Hiroshi Watanabe, MD	Prognostic Power of Ventilatory Responses During Submaximal Exercise in Patients With Chronic Heart Disease*	English
2001-012	Study	Medical	Cardiology	General	Pacing and Clinical Electrophysiology, Volume 24, Number 12, December 2001, pp. 1748-1754(7)	FREEDMAN, ROGER A.1; HOPPER, DONALD L.2; MAH, JENG2; HUMMEL, JOHN3; WILKOFF, BRUCE L.4	Assessment of Pacemaker Chronotropic Response: Implementation of the Wilkoff Mathematical Model	English
2001-011	Thesis	Medical	Cardiology	General	Universität Leipzig, Medizinische Fakultät, Innere Medizin	Claus Michael Kirchof	Spiroergometrie zur Beurteilung der chronischen pulmonalen Hypertonie	German
2001-010	Internal Study	Medical	Cardiology	MetaMax 3B	Case Study, Georg-August-Universität Göttingen	Prof. Dr. med. et Dr. rer. nat. A. Niklas; Dr. med. Ursula Hillmer-Vogel, Dept. of Sports Medicine	Vergleichende Untersuchungen zur Bestimmung des Gasstoffwechsels zwischen dem Spiroergometrie-System MetaMax 3B der Firma Cortex und der Douglassack-Methode, (am Bsp. einer Fallstudie)	Original: German, English translation
2001-009	Internal Study	Sports	Sports Medicine	MetaMax I	Conference Transcript, Int. Congress on Science and Skiing	P-O. Torvik, J. Helgerund	The validity of the portable metabolic test system CORTEX MetaMax	English
2001-008	Summary	Medical	Cardiology	NIBP, Tango Stress Test Monitor	Journal of Hypertension	J.D. Cameron, I. Stevenson, E. Reed, B.A. Kingwell, B.P. McGrath, A.M. Dart	Accurate registration of brachial blood pressure during exercise	English
2001-007	Summary	Sports	Sports Medicine	MetaMax 3B	ECSS 2001; University of Edinburgh, Scotland, UK	Dr. Carolyn Greig, Dept. Clinical and Surgical Sciences; D. Saunders, A. Rennie, Dept. Physical Education, Sport and Leisure Studies; S. Lewis, A. Young, Dept. Clinical and Surgical Sciences	Reliability of Oxygen Uptake measured in very elderly women using the MetaMax 3B System	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2001-006	Study	Medical	Cardiology	General	Schweizer Med Forum Nr. 19	M. Kuhn, M. Rüeeggler	Die Bündner Bergluft kann auch ungesund sein	German
2001-005	Internal Study	Medical	Sports Medicine	General	Cortex Biophysik GmbH	Dr. T. Meyer	Ergospirometrie – Entwicklung der Werte, Indikation, in der Praxis, Auswertung der Messwerte	German
2001-004	Study	Sports	Sports Medicine	X1	European Journal of Appl. Physiology	Alexander Ferrauti; Michael F. Bergeron; Babette M. Pluim; Karl Weber	Physiological responses in tennis and running with similar oxygen uptake	English
2001-003	Summary	Sports	Sports Medicine	MetaMax II	Germaner. Sportärztekongress + Poster	J. Zapf, H. Fröhlich, W. Schmidt, T. Lämmle, M. Burtcher	Breathing gas analysis at extreme altitudes by a portable ergospirometry system during standardised exercise testing and real ascent up to 7000m	English
2001-002	Study	Medical	Sports Medicine	MetaLyzor 3B	International Journal of Sports Medicine	T. Meyer, T. Georg, C. Becker, W. Kindermann	Reliability of Gas Exchange Measurements from two different Spiroergometry Systems	English
2001-001	Study	Medical	Pneumology	General	Pneumologen - Telegramm	Bundesverband der Pneumologen	IGEL	German
2000-011		Medical	Cardiology	General	The American Journal of Cardiology, Volume 86, Number 6, 15 September 2000 , pp. 602-609(8)	Dresing T.J.; Blackstone E.H.; Pashkow F.J.; Snader C.E.; Marwick T.H.; Lauer M.S.1	Usefulness of impaired chronotropic response to exercise as a predictor of mortality, independent of the severity of coronary artery disease	English
2000-010	Study	Medical	Cardiology	MetaMax I	Ergonomics SA	P. A. Scott, C. Christie; Rhodes University, South Africa	Cardiac Response under diverse combinations of marching speed and backpack load	English
2000-009	Summary	Sports	Sports Medicine	MetaMax 3B	Dep. of Sports Medicine, Institute of Sports Sciences, University of Frankfurt	D. Leyk, A. Ameijenda, M. Keller, Y. Moshref, L. Vogt, W. Banzer	Stretching, massage and passive resting during short term recovery and its effects on physical performance	English
2000-008	Study	Sports	Sports Medicine	General	Walking Running 6/2000	M. Beuel	Leistungsdiagnostik für Läufer - Basis der Trainingssteuerung oder überflüssiger Luxus? Moderne Methoden sind auch für Freizeitläufer erschwinglich	German
2000-007	Summary	Sports	Sports Medicine	MetaMax II	German Sports College, Cologne, German	H.T. Giesen, S. Ochs, M. Grundermann, P. Mehrens, M. Becker, E. Trunz	Energy expenditure of eight aerobic exercise machines at comparable cardiac work load	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
2000-006	Summary	Medical	Cardiology	MetaMax I	47 th Annual Meeting ACSM, Indianapolis, USA	Meyer T, Faude O, Gabriel HHW, Kindermann W	Ventilatory threshold and individual anaerobic threshold are reliable parameters for prescribing adequate intensity for cycling training sessions of long duration	English
2000-005	Internal Study	Medical	Sports Medicine	MetaLyzer 3B	Universität des Saarlandes, Institut für Sport- & Präventivmedizin, FB Klinische Medizin	Dr. Tim Meyer, Prof. Dr. Wilfried Kindermann, University of the Saarland	Reproduzierbarkeit von metabolischen Stressmessungen im Langzeitversuch	German
2000-004	Internal Study	Medical	Sports Medicine	MetaLyzer 3B	Universität des Saarlandes, Institut für Sport- & Präventivmedizin, FB Klinische Medizin	Dr. Tim Meyer, Prof. Dr. Wilfried Kindermann, University of the Saarland	Reproducibility of gas exchange measurement in repeated stress tests	English
2000-003	Study	Medical	Sports Medicine	General	Sports care	Prof. Dr. med. G. Neumann, IAT Leipzig	Das Alter setzt der Leistung Grenzen	German
2000-002	Study	Medical	Cardiology	MetaMax I	European Journal of Appl. Physiology	University Saarland: Tim Meyer, Mathias Reiser, Wilfried Kindermann, Reinhard Daus	Transferability of workload measurements between three different types of ergometer	English
2000-001	Summary	Sports	Sports Medicine	MetaMax II	2 nd International Congress on Skiing and Science, St Christoph a. Arlberg, Austria	P. Torvik, J. Helgerund Department of Sport Sciences, Norwegian University of Science and Technology, Trondheim, Norway	The Validity of the portable metabolic stress test system Cortex MetaMax	English
1999-015	Thesis	Medical	Cardiology	General	Ruprecht-Karls-Universität Heidelberg	Edwin Richard Hand	Einschränkung der maximalen Sauerstoffaufnahme und echokardiographisch nachweisbare Wandbewegungsstörungen bei Patienten mit Rezidiv-Stenose nach primär erfolgreicher PTCA	German
1999-014	Study	Medical	Cardiology	General	1 Department of Medicine-Cardiology University of Bonn, Sigmund-Freud-Str. 25, 53105 Bonn, Germany *Department of Cardiology, University of Zürich, Raemistr. 100, 8091 Zürich, Switzerland †ELA Medical C.A. La Boursidière 92357 Le Plessis-Robinson Cedex, France ‡St. Jude Medical GmbH, Division Pacesetter, Marienbergstr. 82, D-90411 Nürnberg, Germany; Pacing and Clinical Electrophysiology Pacing and Clinical Electrophysiology Volume 22 Issue 5, Pages 769 - 775	THORSTEN LEWALTER 1 , HANS RICKLI,* DEAN MACCARTER,† PETER SCHWARTZE,‡ RAINER SCHIMPF 1 , BURGHARD SCHUMACHER 1 , WERNER JUNG 1 , RETO CANDINAS,* BERNDT LÜDERITZ 1	Oxygen Uptake to Work Rate Relation Throughout Peak Exercise in Normal Subjects: Relevance for Rate Adaptive Pacemaker Programming	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
1999-013	Summary	Sports	Sports Medicine	MetaMax I	Zusammenfassung	Cho, Nam Kyu, Department of Physical education, The Graduate School, Hanyang University, Korea	Changes of Cardio-pulmonary Function and Energy Expenditure during the performance of Salpuleechoom and Hallyangmoo each phase	Korean, English Summary
1999-012	Internal Study	Sports	Sports Medicine	MetaMax 3B	Technologie-Institut Medizin GmbH	Dipl.-Ing. K. Cornelius-Lorenz, Dr. R. Henker	Validation of MetaMax 3B Gas Sensors	English
1999-011	Study	Sports	Sports Medicine	General	Condition, Ratgebermagazin für Lauf- und Ausdauersportler		Leistungsdiagnostik – nur etwas für Profis?	German
1999-010	Summary	Sports	Sports Medicine	General	Österreichisches Journal für Sportmedizin; 10th European Congress on Sports Medicine Innsbruck, Austria	W. Koch, J. Weipert, J. Hess	Measurement of diffusion capacity and impedance cardiography in ergospirometry	English
1999-009	Study	Sports	Sports Medicine	General	Germane Zeitschrift für Sportmedizin	T. Meyer, W. Kindermann	Die maximale Sauerstoffaufnahme (VO2 max)	German
1999-008	Summary	Sports	Sports Medicine	MetaMax I	Österreichisches Journal für Sportmedizin, 10th European Congress on Sports Medicine Innsbruck, Austria	Pfeifer H., Henker R., Seifert R., Engelmann K.O., Leipzig, German	Leistungsergometrie im strömenden Wasser mit Hilfe eines speziellen Gerätes zur Ausführung von Armpressen (auch für schwimmkundige, ältere und behinderte Patienten)	English
1999-007	Study	Medical	Occupational Health	MetaMax	Korean Journal of KIIS, Vol. 14, No. 3	Sang-Do Lee, Dong-Pil Woo	An Ergonomic Study on the Work Loads of Manual Workers	Korean, English Summary
1999-006	Study	Sports	Sports Medicine	General	Sports Care – Zeitschrift für den informierten Sportler	Prof. Dr. med. G. Naumann, Dr. K. Hottenrott	Sportartspezifische Leistungsdiagnostik, Basis für richtige Trainingsbelastung	German
1999-005	Study	Medical	Pneumology	General	Pneumologie	Ch. Schulz, H. P. Emslander, M. Riedel	Beurteilung der funktionellen Operabilität von Patienten mit Bronchialkarzinom	German
1999-004	Study	Sports	Sports Medicine	MetaMax I	Korea Journal of Sports Science., Vol. 8, No. 1: 419-428	Hyong, Kim ¹ , Sang-Nam, Nam ² , Tae-won, Kwon ³ , Tae-Hyun, Kim ⁴ , Hanyang University, Kyungkido, Korea 1,2,3, Danil SMC Co. Ltd, Seoul, Korea ⁴	A Study on Changes of Blood Glucose and Lactate Concentration and Cardiorespiratory Function while Taekwondo Sparring	Korean, English Summary
1999-003	Thesis	Sports	Sports Medicine	MetaMax	Germane Sporthochschule Köln	Ulrike Bahnemann, Roberto Guzowski.....; Seminarleitung PD Dr. A. Ferrauti	Kalorienumsatz und Fettverbrennung im Freizeitsport	German

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
1999-002	Study	Sports	Sports Medicine	General	Sportmedizin in Nordrhein, Das Journal für Mitglieder, Heft 2/1999		Sportmedizinische Aspekte des Golfsparte Walking als alternative Ausdauertrainingsform im Gesundheits- und Freizeitsport Bungee-Springen aus sportmedizinischer Sicht Richtlinien zum Belastungs-EKG und zur Ergospirometrie im Breiten-, Freizeit- und Alterssport Körperliche Fitness und Tod durch Herz-Kreislauf-Erkrankungen Plötzlicher Herztod junger Athleten Angstzuständen Beine machen! Schwimmen gegen chronische Bronchitis Positiver Einfluss auf Zyklus und Wechseljahre Trinkempfehlung für Breitensportler Vorsorgeuntersuchungen	German
1999-001	Study	Sports	Sports Medicine	General	Sport in Motion, Fachzeitschrift zur Fortbildung im Sport	H. Hille, J. Schonart	“WinLactat”, eine Weiterentwicklung der bewährten datenbankorientierten Analyse-Software “LACTAT”	German
1998-007	Thesis	Sports	Sports Medicine	X1, MetaMax	Ruprecht-Karls-Universität Heidelberg	Eva Ortlieb	Leistungsdiagnostik im Kanusport, Vergleichbarkeit der Maximalleistung und Schwellenwerte im Feldtest und bei Spiroergometrien auf dem Kanu- und Handkurbelergometer	German
1998-006	Thesis	Sports	Sports Medicine	X1, MetaMax	Ruprecht-Karls-Universität Heidelberg	Frauke Ebert	Vergleich zwischen Feldstufentests und Laufband-Stufentests mittels portabler Spirometrie-Einheit	German
1998-005	Study	Medical	Cardiology	General	Annals of Internal Medicine, by the American College of Physicians	J. Myers, L. Gullestad, R. Vagelos, D. Bellin, H. Ross, M. B. Fowler	Clinical, hemodynamic, and cardiopulmonary exercise test determinants of survival in patients for evaluation of heart failure	English
1998-004	Study	Medical	Cardiology	MetaMax I	Chinese Journal of Geriatrics	Mr. Chen Gang, Li Jing-Ping, Wang Mao-Bin	The evaluation and analysis of cardio-pulmonary function with healthy people in pre-senior or senior period	Chinese, English Summary

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
1998-003	Summary	Medical	Sports Medicine	MetaMax I	Österreichisches Journal für Sportmedizin; 10th European Congress on Sports Medicine Innsbruck, Austria Österr. J. Sportmed. 29, 3 (1999), 42	Bisail H.; Seibert F.-J.; Hofmann P.; Inst. of Sports Sciences, Dept. Exerc. Physiol., Graz, Austria	Relationship between heart rate performance curve and breathing pattern	English
1998-002	Summary	Sports	Sports Medicine	MetaMax I	„Preceedings of Third Annual Congress of the European College of Sport Science“, Manchester	P. Hofmann; F.-J. Seibert, R. Pokan; S.P.v.Duvillard; A. Öhlnkecht; K.M. Sudi	Time course of oxygen uptake and oxygen pulse during incremental cycle ergometer exercise	English
1998-001	Study	Sports	Sports Medicine	MetaMax I	Germane Zeitschrift für Sportmedizin	B. Friedemann; F. Frese; P. Bärtsch	Ergospirometrie-Systeme vs. Douglas-Bag-Methode: Bewertung einer stationären und einer portable Maßeinheit	German, English
1997-009	Summary	Sports	Sports Medicine	MetaMax I	Programm, 35. Germaner Sportärztekongress Tübingen	Dr. A. Ferrauti, Dr. H. Schulz, D. Knezevic, H. Heck, K. Weber	Messung Sauerstoff-Aufnahme/ Energieumsatz im Wettkampf mittels portabler telemetrischer Spirometrie	German
1997-008	Summary	Sports	Sports Medicine	X1	2 nd Annual Conference of the European College of Sport Science, Copenhagen	Dr. A. Ferrauti	Tennis vs. Running, Substrate Utilisation During Intermittent and Continuous Exercise	English
1997-007	Study	Medical	Cardiology	MetaMax I	American Heart Journal, Volume 134	P. Faggiano, A. D'Aloia, A. Gualeni, A. Giordano, A. Lavatelli	Assessment of oxygen uptake during the 6-minute walking test in patients with heart failure: Preliminary experience with a portable device	English
1997-006	Study	Sports	Sports Medicine	X1	Germane Zeitschrift für Sportmedizin Nr. 7/8	Dr. Alexander Ferrauti ¹ ; G. Predel ² , K. Weber ² , R. Rost	Beanspruchungsprofil von Golf und Tennis aus gesundheitssportlicher Sicht	German, English Summary
1997-005	Internal Study	Medical	Cardiology	NIBP Tango Stress Test Monitor	Interne Untersuchung	Suntech Medical Instruments, Raleigh, NC	Clinical evaluation of non-invasive blood pressure (NIBP) of the Tango Stress Test Monitor in the adult population	English
1997-004	Study	Sports	Sports Medicine	X1	International Journal of Sports Medicine Nr. 18 (1997)	Dr. H. Schulz, S. Helle, H. Heck	<i>Validation study: The Validity of the Telemetric System X1 in the Ventilatory and Gas Exchange Measurement During Exercise</i>	English
1997-003	Study	Medical	Rehabilitation	General	Care and Research Institute, Tradate, Italy	MD A. Satta	<i>Exercise Testing in Pulmonary Rehabilitation</i>	English

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No	Publication	Product Area	Segment	Product	Name Publisher	Author's / Institute	Topic	Language
1997-002	Summary	Medical	Cardiology	General		Edwin Richard Hand	Einschränkung der maximalen Sauerstoffaufnahme und echokardiographisch nachweisbare Wandbewegungsstörungen bei Patienten mit Rezidiv-Stenose nach primär erfolgter PTCA	German
1997-001	Article	Medical	Cardiology	General	J Appl Physiol 82: 908-912, 1997; 8750-7587/97	W. W. Stringer, J. E. Hansen, K. Wassermann	Cardiac output estimated noninvasively from oxygen uptake during exercise	English
1996-001	Internal Study	Sports	Sports Medicine	MetaMax	Diplomarbeit	Beat Knecht, Norbert Reinert, Armin Steiner, Official responsible: Dr. med. Gawril Markov, Techn. Institute Zurich	Freiklettern – Dynamisches und statisches Klettern im Vergleich	German
1995-004	Summary	Sports	Sports Medicine	X1	Lecture, 8th FIMS European Congress of Sports Medicine, Spain	Dr. Heipertz-Hengst, c. Flora K., Stefanicky E., Böckler L. J. W. Goethe University, Frankfurt, Institute of Sports Medicine	<i>Comparison study: Ergospirometric Laboratory and Field Tests of Junior Athletes in „Rider's Tetra-Athlon“</i>	English
1995-003	Summary	Sports	Sports Medicine	X1	Lecture, 34th German Congress of Sports Medicine	Dr. Schulz, S. Helle u. H. Heck	Untersuchung zur Validität des portablen Spirographie-Systems X1	German, English Summary
1995-002	Internal Study	Sports	Sports Medicine	X1	Interne Untersuchung	Dr. Jakob, University Hospital of Albert-Ludwigs University, Freiburg	Graphische Abbildung zur parallelen Vergleichsmessung Oxycon-Sigma/ Cortex 1 beim fahrradergometrischen Stufentest; Parameter: Ve, VCO2, VO2	German
1995-001	Study	Medical	Pneumology	General	Physiological Assessment of Human Fitness	N. Lamarra, B. Whipp	Measurement of Pulmonary Gas Exchange	English
1993-001	Study	Sports	Sports Medicine	General	Leistungssport, Zeitschrift für die Fortbildung von Trainern, Übungsleitern und Sportlehrern	C. T. Hille, L. V. Geiger	Mathematische Beschreibung der Laktatkinetik beim Stufentest und Umsetzung in eine datenbankorientierte Analysen-Software	German
1987-001	Study	Medical	Pneumology	General	Medical & Biological Engineering & Computing	Y. Yamamoto, Y. Takei, K. Mokushi, H. Morita, Y. Mutoh, M. Miyashita	Breath-by-Breath measurement of alveolar gas exchange with a slow-response gas analyser	English