

Product	Year	Author	Institute	Title	Ref.	Journal/Meeting	Lang	Format	Topic
Quark RMR	2014	Bruno A P de Oliveira, Carolina F Nicoletti, Camila B Gardim, Vitor L de Andrade, Ismael F Freitas Júnior	Department of Internal Medicine, Faculdade de Medicina de Ribeirão Preto /Universidade de São Paulo. Brasil	Comparisons between predictive equations of resting metabolic rate and indirect calorimetry in obese teenagers	Vol. 41, Nº2, Junio 2014	Rev Chil Nutr	EN/PT	Article	Clinical (Obesity)
Quark RMR	2014	Christine M. Ashcraft and David C. Frankenfield	Department of Clinical Nutrition, Department of Nursing, Penn State Milton S. Hershey Medical Center, Hershey, Pennsylvania.	A Test of Validity of a New Open-Circuit Indirect Calorimeter	2014 Mar 10	JPEN J Parenter Enteral Nutr.	EN	Article	Validation
Quark RMR	2014	I. Regeni, M. Salvador, P. Sangiuliano, A. Graziano, F. Rosa, P. Chiarandini, G. Della Rocca	Clinica di Anestesia e Rianimazione - Scuola di Specializzazione in Anestesia, Rianimazione e T.I. AOU - Università degli Studi di Udine	METS Stimati e METS misurati, sono realmente correlabili?	feb-14	XII Congresso STAT	IT	Abstract	ICU
Quark RMR	2014	M. Salvador, I. Regeni, P. Sangiuliano, A. Graziano, F. Rosa, P. Chiarandini, G. Della Rocca	Clinica di Anestesia e Rianimazione - Scuola di Specializzazione in Anestesia, Rianimazione e T.I. AOU - Università degli Studi di Udine	Il test cardiopolmonare da sforzo in pazienti candidati ad artroprotesi completa di ginocchio	feb-14	XII Congresso STAT	IT	Abstract	Orthopedics
Quark RMR	2014	Marjolaine Georges, Capucine Morélot-Panzini, Thomas Similowski and Jesus Gonzalez-Bermejo	Sorbonne Universités, UPMC Univ Paris "Neurophysiologie Respiratoire Expérimentale et Clinique", France	Noninvasive ventilation reduces energy expenditure in amyotrophic lateral sclerosis	2014, 14:17	BMC Pulmonary Medicine	EN	Article	ICU
Quark RMR	2014	T Kelder, JHM Stroeve, S Bijlsma, M Radonjic and G Roeselers	Microbiology and Systems Biology, TNO, Zeist, The Netherlands	Correlation network analysis reveals relationships between diet-induced changes in human gut microbiota and metabolic health	(2014) 4, e122	Nutrition & Diabetes	EN	Article	Clinical (Diabetes)
Quark RMR	2013	David John Hume, Jacolene Kroff and Estelle Victoria Lambert	UCT/MRC Research Unit for Exercise Science and Sports Medicine, Department of Human Biology, Newlands, South Africa	Resting and activity-related energy expenditure: Do formerly overweight women differ from their ever-lean counterparts?	Vol. 5(8), pp. 134-139, December, 2013	International Journal of Nutrition and Metabolism	EN	Article	Metabolic Syndrome
Quark RMR	2013	Emer M Guinan, Elizabeth M Connolly, M John Kennedy and Juliette Hussey	Trinity Centre for Health Sciences, St. James's Hospital, Dublin	The presentation of metabolic dysfunction and the relationship with energy output in breast cancer survivors: a cross-sectional study	2013, 12:99	Nutrition Journal	EN	Article	Clinical (Cancer)
Quark RMR	2013	M. Walsh, A. Tierney, E. Ridley, I. Nyulasi, H. Cleland	Nutrition Dept, Alfred Hospital, Melbourne, Victoria, Australia	Resting Energy Expenditure in Critically Ill Burns Patients	2013	ANZBA 2013	EN	Poster	ICU
Quark RMR	2013	Tierney A, Ridley E, Davies A, Nyulasi I, Scheinkestel C	Department of Nutrition and Dietetics, The Alfred hospital	Measured versus estimated energy requirements in ventilated critically ill patients - An observational single centre study	2013	AusPEN	EN	Poster	ICU
Quark RMR	2013	Vincent Fraipont and Jean-Charles Preiser	1Intensive Care Unit, CHR Citadelle, Liege, Belgium	Energy Estimation and Measurement in Critically Ill Patients	2013 37: 705	JPEN J Parenter Enteral Nutr	EN	Article	ICU
Quark RMR	2012	Jodi Dunmeyer Stookey, Janice Hamer, Gracie Espinoza, Annie Higa, Vivian Ng, Lydia Tinajero-Deck, Peter J. Havel, Janet C. King	4Children's Hospital Oakland Research Institute, Oakland CA	Orange Juice Limits Postprandial Fat Oxidation after Breakfast in Normal-Weight Adolescents and Adults	3: 629S-635S, 2012	American Society for Nutrition. Adv. Nutr.	EN	Article	Diet
Quark RMR	2012	Juan-Patricio Nogueira	Aix-Marseille Univ, Marseille, France	Unacylated Ghrelin is associated with the isolated low HDL-cholesterol obese phenotype independently of insulin resistance and CRP level	2012, 9:17	Nutrition & Metabolism	EN	Article	Clinical (Obesity)
Quark RMR	2012	Martin Sundström, Inga Tjäder, Olav Rooyackers, Jan Wernerman	Department of Anaesthesiology and Intensive Care Medicine, Karolinska University Hospital Huddinge and Karolinska Institutet, Stockholm, Sweden	Indirect calorimetry in mechanically ventilated patients. A systematic comparison of three instruments	Clin Nutr. 2012 Jul 3	Clinical Nutrition	EN	Article	Validation
Quark RMR	2012	Rihlat Said-Mohamed, Jonathan Y. Bernard, Anne-Christine Ndzana, Patrick Pasquet	Centre for Food and Nutrition Research, Institute of Medical Research and Medicinal Plant Studies, Yaounde', Cameroon	Is Overweight in Stunted Preschool Children in Cameroon Related to Reductions in Fat Oxidation, Resting Energy Expenditure and Physical Activity?	June 2012, Volume 7, Issue 6	PLOS ONE	EN	Article	Metabolic Syndrome
Quark RMR	2012	Stefano Cecchini, Emiliano Schena, Maria Notaro, Massimiliano Carassiti and Sergio Silvestri	Unit of Anaesthesia and Intensive Care, Center for Integrated Research, Università Campus Bio-Medico di Roma	Non-invasive Estimation of Cardiac Output in Mechanically Ventilated Patients: A Prolonged Expiration Method	Vol. 40, No. 8, August 2012 (2012) pp. 1777-1789	Annals of Biomedical Engineering	EN	Article	ICU
Quark RMR	2012	Theresa Hagedorn, Eleonora Poggiogalle, Claudia Savina, Cecilia Coletti, Maddalena Paolini, Luciano Scavone, Barbara Neri, Lorenzo Maria Donini	Department of Experimental Medicine, Medical Physiopathology, Food Science and Endocrinology Section, Food Science and Human Nutrition Research Unit, Sapienza University of Rome	Indirect calorimetry in obese female subjects: Factors influencing the resting metabolic rate	2012 June 20; 2(3): 58-64	World Journal of Experimental Medicine	EN	Article	Clinical (Obesity)
Quark RMR	2011	Anna Gryka, Catherine Rolland, Iain Broom	Centre for Obesity Research and Epidemiology, Robert Gordon University, Aberdeen, UK	Estimation of resting metabolic rate in obese people with type 2 diabetes	2011	Central European Congress on Obesity	EN	Poster	Metabolic Syndrome
Quark RMR	2011	E. Poggiogalle, C. Savina, C. Coletti, M. Paolini, L. Scavone, B. Neri, T. Hagedorn, L.M. Donini	Università Sapienza di Roma - Dipartimento di Medicina Sperimentale, sez. Fisiopatologia Medica	Prevenzione del rischio cardiovascolare nel soggetto obeso ruolo della calorimetria indiretta nella valutazione del dispendio energetico basale	2011	SINU 2011	IT	Poster	Metabolic Syndrome
Quark RMR	2011	E. Ridley, A.R. Davies, I.B. Nyulasi, A.T. Tierney, M.J. Bailey	Australian and New Zealand Intensive Care research Centre, Monash University, The Alfred Hospital, Melbourne Australia	Indirect calorimetry in intensive care: An Australian perspective	2011	ESPEN	EN	Article	Validation
Quark RMR	2011	Emilie Blond*, Christine Maitrepierre, Sylvie Normand, Monique Sothier, Hubert Roth, Joelle Goudable, Martine Laville	Centre de Recherche en Nutrition Humaine Rhône-Alpes	A new indirect calorimeter is accurate and reliable for measuring basal energy expenditure, thermic effect of food and substrate oxidation in obese and health	2011; doi:10.1016/j.eclnm.2010.12.001	European e-Journal of Clinical Nutrition and Metabolism	EN	Article	Validation
Quark RMR	2011	Josue Felipe Rodrigues Campos, Marcos David Parada Godoy, Leonardo Cordeiro de Souza, Zenio do Nascimento Norberto, Arian Pereira Inácio, Arthur Evangelista da Silva Neto, André Luiz da Cunha Serejo, Helson Lino Leite	Hospital e Clínica São Gonçalo – São Gonçalo (RJ), Brasil; Nutríclínica – São Gonçalo (RJ), Brasil	Análise comparativa das variáveis da calorimetria indireta durante o desmame do suporte ventilatório: ventilação com pressão de suporte [PSV] versus ventilação assistida proporcional [PAVTM +]	Suplemento 2011	Rev Bras Ter Intensiva.	ES	Poster	ICU

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Quark RMR	2011	Juan Patricio Nogueira	Universite de la Mediterranee Aix Marseille - Faculte de Medecine	Effet aigu d'une insulinothérapie intensive sur le métabolisme des lipoparticules riches en triglycérides (TRL) intestinales chez le patient diabétique de type 2	2011		FR	Dissertation	Clinical (Diabetes)
Quark RMR	2011	L. Genton, V. Viatte, J.-P. Janssens, A.-C. Héritier, C. Pichard	Clinical Nutrition, University Hospital, Geneva, Switzerland	Nutritional state, energy intakes and energy expenditure of amyotrophic lateral sclerosis (ALS) patients	(2011) doi:10.1016/j.clnu.2011.06.004	Clinical Nutrition	EN	Article	Clinical (Sclerosis)
Quark RMR	2011	Martin Sundstrom, Inga Tjader, Olav Rooyackers, Jan Wernerman	Karolinska Institute and University Hospital, Anesthesiology and Intensive Care, Sweden	Indirect Calorimetry in Mechanically Ventilated Patients: A systematic comparison of three instruments	2011	ESPEN	EN	Abstract	Validation
Quark RMR	2011	Rebecca Marzocchi & Davide Cappellari & Riccardo Dalle Grave & Giulio Marchesini	Clinical Dietetics, "Alma Mater Studiorum" University of Bologna, Policlinico S. Orsola-Malpighi, Bologna, Italy	Massive Weight Loss Without Surgery in a Super Obese Patient	(2011) 21:540-545	Obesity Surgery	EN	Article	Clinical (Obesity)
Quark RMR	2011	S. Cecchini, E. Schena, R. Cuttone, M. Carassiti, and S. Silvestri	Unit of Measurements and Biomedical Instrumentation, Center for Integrated Research,, Università Campus Bio-Medico, Roma	Influence of Ventilatory Settings on Indirect Calorimetry in Mechanically Ventilated Patients	2011	33rd IEEE EMBS Conference 2011	EN	Article	Validation
Quark RMR	2011	S. Cecchini, E. Schena, R. Cuttone, M. Carassiti, and S. Silvestri	Unit of Measurements and Biomedical Instrumentation, Center for Integrated Research,, Università Campus Bio-Medico, Roma	Uncertainty Evaluation of a Calibration Method for Metabolic Analyzer in Mechanical Ventilation	2011	33rd IEEE EMBS Conference 2011	EN	Article	Validation
Quark RMR	2011	Stefano Cecchini, Rosaria Cuttone, Sergio Silvestri, Massimiliano Carassiti	Unit of Measurements and Biomedical Instrumentation, Center for Integrated Research,, Università Campus Bio-Medico, Roma	In vivo validation of the metabolic cart Quark RMR	2011		EN	Technical doc	Validation
Quark RMR	2010	Anna Gryka, Catherine Rolland, Iain Broom	Centre for Obesity Research and Epidemiology, Robert Gordon University, Aberdeen, UK	Climate change, obesity and type 2 diabetes	2010	ICO	EN	Poster	Metabolic Syndrome
Quark RMR	2010	Gryka A, Rolland C, Broom J	Centre for Obesity Research and Epidemiology, Robert Gordon University, Aberdeen, UK	The use of equations to predict resting metabolic rate in obese patients with poorly controlled type 2 diabetes	2010		EN	Abstract	Metabolic Syndrome
Quark RMR	2010	Prof. Sergio Silvestri, Ing. Stefano Cecchini, Ing. Maria Nicole Di Sabatino Di Diodoro	Unit of Measurements and Biomedical Instrumentation, Center for Integrated Research,, Università Campus Bio-Medico, Roma	In vitro validation of Quark RMR metabolic cart measurement in ICU mode	2010		IT/EN	Technical doc	Validation
Quark RMR	2010	T. Hagedorn, C. Savina, C. Coletti, M. Paolini, L. Scavone, B. Neri, Lorenzo M. Donini, C. Cannella	Rehabilitation Clinical Institute "Villa delle Querce", Nemi, Rome, Italy	Calorimetry in obese women comparison of two different operating indirect calorimeters with HB predictive equation	(2010) DOI 10.1007/s12349-010-0036-5	Mediterr J Nutr Metab	EN	Article	Clinical (Obesity)
Quark RMR	2010	V.L. Karsegard, L.Genton, N. Maisonneuve, C. Pichard	Clinical Nutrition, Geneva University Hospital, Geneva, Switzerland	Comparison of 3 indirect calorimetry devices	2010	ESPEN	EN	Article	Validation
Quark RMR	2009	E. Blond, C. Maitrepierre, M. Sothier, F. Dieudonne, P.Brugnoli, H.Roth, M.Laville	Centre de Recherche en Nutrition Humaine Rhône-Alpes	Validation of QUARK RMR (COSMED) against DELTATRAC II® (GE HEALTH CARE) for the measurement of energy expenditure at rest and after a test meal	2009		FR/EN	Poster	Validation
Quark RMR	2009	Schutz T, Elbelt U, Lochs H	Charite Universitätsmedizin Berlin, Med. Klinik, Gastroenterologie, Berlin, Deutschland	Einfluss von Messsystem und BMI auf die Bestimmung des Ruheenergieumsatzes mit indirekter Kalorimetrie	4. – 6. Juni 2009	Dreilaendertagung der DGEM, der AKE und der GESKES Zurich	DE	Poster	Validation
Quark RMR	2009	T Schütz , U Elbelt , H Lochs	Charité Universitätsmedizin Berlin, Med. Klinik, Gastroenterologie, Charitéplatz 1, Deutschland	Einfluss von Messsystem und BMI auf die Bestimmung des Ruheenergieumsatzes mit indirekter Kalorimetrie	2009; 34 - P5	Aktuel Ernährungsmed	DE	Poster	Validation
Quark RMR	2009	T. Schutz, U. Elbelt, H. Lochs	Charite Universitätsmedizin Berlin	Agreement of two indirect calorimeters for measuring resting energy expenditure with respect to BMI	2010		EN	Abstract	Validation
Quark RMR	2008	COSMED R&D	COSMED	Quark RMR validation with ethanol burning kit	2008		EN/IT	Paper	Validation