

Product	Year	Author	Institute	Title	Ref.	Journal/Meeting	Format	Topic
Quark RMR	2018	Emilie Aubry, Carla Aeberhard, Lia Bally, Jean-Marc Nuoffer, Lorenz Risch, Stefan Mühlebach e Jean-Marc Burgunde, Zeno Stanga	Division of Diabetes, Endocrinology, Nutritional Medicine and Metabolism, Bern University Hospital and University of Bern, Switzerland	Are patients affected by mitochondrial disorders at nutritional risk?	Volume 47, March 2018, Pages 56-62	Nutrition	Article	Clinical Nutrition
Quark RMR	2018	Christiani Jayekumar Henry, Shalini Ponnalagua, Xinyan Bi, Ciaran Forde	Clinical Nutrition Research Centre, Singapore Institute for Clinical Sciences, Singapore	Does basal metabolic rate drive eating rate?	Volume 189, 15 May 2018, Pages 74-77	Physiology & Behavior	Article	Diet & Food Supplement
Quark RMR	2018	Quinhoneiro DCG, Nicoletti CF, Pinhel MAS, Noronha NY, Braga CBM, Oliveira BAP, Cortes-Oliveira C, Oliveira WP, Salgado Junior W, Marchini JS, Nonino CB.	Department of Internal Medicine, Ribeirão Preto Medical School, University of São Paulo, Ribeirão Preto, Brazil.	Green tea supplementation upregulates uncoupling protein 3 expression in severe obese women adipose tissue but does not promote weight loss.	2018 Feb 26:1-8.	Int J Food Sci Nutr	Article	Diet & Food Supplement
Quark RMR	2018	Creber C, Cooper RS, Plange-Rhule J, Bovet P, Lambert EV, Forrester TE, Schoeller D, Riesen W, Korte W, Cao G, Luke A, Dugas LR.	Department of Public Health Sciences, Stritch School of Medicine, Loyola University Chicago, Maywood, IL, USA	Independent association of resting energy expenditure with blood pressure: confirmation in populations of the African diaspora.	2018 Jan 10;18(1):4.	BMC Cardiovasc Disord.	Article	Cardiology
Quark RMR	2018	Ott B, Skurk T, Lagkouvardos L, Fischer S, Büttner J, Lichtenegger M, Clavel T, Lechner A, Rychlik M, Haller D, Hauner H.	Else Kröner-Fresenius-Center of Nutritional Medicine, ZIEL Institute for FOOD and Health, Chair of Analytical Food Chemistry, and Chair of Nutrition and Immunology, Technical University of Munich, Freising, Germany	Short-Term Overfeeding with Dairy Cream Does Not Modify Gut Permeability, the Fecal Microbiota, or Glucose Metabolism in Young Healthy Men.	2018 Jan 1;148(1):77-85.	J Nutr.	Article	Diet & Food Supplement
Quark RMR	2018	Lessan N, Saadane, Alkaf B, Hambly C, Buckley AJ, Finer N, Speakman JR, Barakat MT	Imperial College London Diabetes Centre, Abu Dhabi, United Arab Emirates.	The effects of Ramadan fasting on activity and energy expenditure.	2018 Jan 1;107(1):54-61	Am J Clin Nutr.	Article	Diet & Food Supplement
Quark RMR	2018	Achamrah N, Jésus P, Grigioni S, Rimbart A, Petit A, Déchelotte P, Folope V, Coëffier M.	Nutrition Department, Rouen University Hospital Center, 76000 Rouen, France	Validity of Predictive Equations for Resting Energy Expenditure Developed for Obese Patients: Impact of Body Composition Method.	2018 Jan 10;10(1)	Nutrients	Article	Obesity
Quark RMR	2017	Kazuhito Fukuoka, Yuriko Sato, Hiroyuki Sakurai, Soko Kawashima, Shinya Kaname, Yoshihiro Arimura	Department of Internal Medicine, Nephrology and Rheumatology, Kyorin University School of Medicine	A dialysis patient with hyperphosphatemia, hyperkalemia, and azotemia without an excessive intake	2017	Kidney International Reports	Article	Nephrology
Quark RMR	2017	Ingves S, Vilhelmsson N, Ström E, Fredrikson M, Gulbrand H, Nystrom FH	Department of Medical and Health Sciences, Faculty of Medicine and Health Sciences, Linköping University, Linköping, Sweden	A randomized cross-over study of the effects of macronutrient composition and meal frequency on GLP-1, ghrelin and energy expenditure in humans	2017 Jul; 93:20-26.	Peptides.	Article	Clinical Nutrition
Quark RMR	2017	Ingves S, Vilhelmsson N, Ström E, Fredrikson M, Gulbrand H, Nystrom FH.	Department of Medical and Health Sciences, Faculty of Medicine and Health Sciences, Linköping University, Linköping, Sweden.	A randomized cross-over study of the effects of macronutrient composition and meal frequency on GLP-1, ghrelin and energy expenditure in humans.	2017 Jul;93:20-26.	Peptides	Article	Clinical Nutrition
Quark RMR	2017	Camille Despland, Barbara Walther, Christina Kast, Vanessa Campos, Valentine Rey, Nathalie Stefanoni, Luc Tappy	Department of Physiology, University of Lausanne, Rue du Bugnon 7, CH-1005 Lausanne, Switzerland	A randomized-controlled clinical trial of high fructose diets from either Robinia honey or free fructose and glucose in healthy normal weight males	June 2017 Volume 19, Pages 16-22	Clinical Nutrition ESPEN	Article	Diet & Food Supplement
Quark RMR	2017	Sundström Rehal M, Liebau F, Tjäder I, Norberg Å, Rooyackers O, Wernerman J	Department of Clinical Sciences, Intervention and Technology (CLINTEC), Karolinska Institute, Stockholm, Sweden.	A supplemental intravenous amino acid infusion sustains a positive protein balance for 24 hours in critically ill patients.	2017 Dec 6;21(1):298	Crit Care	Article	ICU
Quark RMR	2017	Anne Gingrich, Alexandra Spiegel, Robert Kob, Daniel Schoene, Thomas Skurk, Hans Hauner, Cornel C. Sieber, Dorothee Volkert, and Eva Kiesswetter	Institute for Biomedicine of Aging, Friedrich-Alexander-Universität Erlangen-Nürnberg, Kobergerstraße 60, 90408 Nürnberg, Germany	Amount, Distribution, and Quality of Protein Intake Are Not Associated with Muscle Mass, Strength, and Power in Healthy Older Adults without Functional Limitations—An enable Study	2017 Dec; 9(12): 1358.	Nutrients	Article	Clinical Nutrition
Quark RMR	2017	Evangelia Akoumianaki, Nicolas Dousse, Aissam Lyazidi, Jean-Claude Lefebvre, Severine Graf, Ricardo Luiz Cordioli, Nathalie Rey, Jean-Christophe Marie Richard and Laurent Brochard	Intensive Care Unit, University Hospital of Heraklion, Heraklion, Crete, Greece	Can proportional ventilation modes facilitate exercise in critically ill patients? A physiological cross-over study: Pressure support versus proportional ventilation during lower limb exercise in ventilated critically ill patients.	2017 Dec;7(1):64	Ann Intensive Care.	Article	ICU
Quark RMR	2017	Stookey JD, Hamer J, Killilea DW	Children's Hospital Oakland Research Institute, Oakland, California	Change in hydration indices associated with an increase in total water intake of more than 0.5 L/day, sustained over 4 weeks, in healthy young men with initial total water intake below 2 L/day.	2017 Nov;5(22). pii: e13356	Physiol Rep	Article	Diet & Food Supplement
Quark RMR	2017	Robin Rosset, Virgile Lecoultre, Léonie Egli, Jérémy Cros, Valentine Rey, Nathalie Stefanoni, Valérie Sauvinet, Martine Laville, Philippe Schneider and Luc Tappy	Department of Physiology, University of Lausanne, CH-1005 Lausanne, Switzerland	Endurance Training with or without Glucose-Fructose Ingestion: Effects on Lactate Metabolism Assessed in a Randomized Clinical Trial on Sedentary Men	2017, 9, 411;	Nutrients	Article	Diet & Food Supplement
Quark RMR	2017	Lucie Leclerc, Chantal Thorin, John Flanagan, Vincent Biourge, Samuel Serisier and Patrick Nguyen	LUNAM University, Oniris, Nantes-Atlantic College of Veterinary Medicine and Food Science and Engineering, Nutrition and Endocrinology Unit, C.S. 40706, 44307 Nantes Cedex 03, France	Higher neonatal growth rate and body condition score at 7 months are predictive factors of obesity in adult female Beagle dogs	2017; 13:104	Leclerc et al. BMC Veterinary Research	Article	Obesity
Quark RMR	2017	Zara A Ioannides, Shyuan T Ngo, Robert D Henderson, Pamela A McCombe, Frederik J Steyn	Neurology, Royal Brisbane and Women's Hospital, Brisbane, QLD, Australia	Hypermetabolism in motor neurone disease is associated with a greater functional decline but not weight loss	2017 88: e1	J Neurol Neurosurg Psychiatry	Article	Clinical Nutrition
Quark RMR	2017	J. Sobocki	Department of Surgery and Clinical Nutrition, Medical University of Warsaw, Warsaw, Poland	Indirect Calorimetry vs Metabolic Limits Tracing for Effective Parenteral Nutrition in ICU Patient	September 2017 Volume 36, Supplement 1, S1-S328	Critical Care	Article	ICU
Quark RMR	2017	Cassiana R. de G oes, Barbara Perez Vogt, Ana Claudia S. Sanches, Andre L. Balbi, Daniela Ponce	Charité - Universitätsmedizin Berlin, Department of Anesthesiology and Operative Intensive Care Medicine, Campus Virchow Klinikum, 13353 Berlin, Germany; Berlin Institute of Health (BIH), Kapelle-Ufer 2, 10117 Berlin, Germany.	Measuring Energy Expenditure in extracorporeal lung support Patients (MEEP) - Protocol, feasibility and pilot trial.	2017 Jan 16. pii: S0261-5614(17)30001-8	Clin Nutr.	Article	ICU
Quark RMR	2017	T. Wollersheim, S. Frank, M.C. Müller, V. Skrypnikov, N.M. Carbon, P.A. Pickeredt, C. Spies, K. Mai, J. Spranger, S. Weber-Carstens	Charité e Universitätsmedizin Berlin, Department of Anesthesiology and Operative Intensive Care Medicine, Campus Virchow Klinikum, 13353 Berlin, Germany	Measuring Energy Expenditure in extracorporeal lung support Patients (MEEP) e Protocol, feasibility and pilot trial	2017 Jan 16. pii: S0261-5614(17)30001-8.	Clin Nutr.	Article	Clinical Nutrition

Product	Year	Author	Institute	Title	Ref.	Journal/Meeting	Format	Topic
Quark RMR	2017	Bernadette Kleist, Ursel Wahrburg, Peter Stehle, Ralph Schomaker, Andreas Greiwing, Birgit Stoffel-Wagner, Sarah Egert	Department of Nutritional Sciences and Facility Management, University of Applied Sciences, Muenster, Germany.	Moderate Walking Enhances the Effects of an Energy-Restricted Diet on Fat Mass Loss and Serum Insulin in Overweight and Obese Adults in a 12-Week Randomized Controlled Trial	2017 Aug 9. pii: jn251744.	J Nutr.	Article	Obesity
Quark RMR	2017	Lambert-Porcheron S, Normand S, Blond E, Sotthier M Roth H, Meynier V, Vinoy S, Laville M, Nazare JA	Centre de Recherche en Nutrition Humaine Rhône-Alpes, Centre Hospitalier Lyon Sud, France	Modulation of starch digestibility in breakfast cereals consumed by subjects with metabolic risk: impact on markers of oxidative stress and inflammation during fasting and the postprandial period	2017 Aug 29.	Mol Nutr Food Res	Article	Clinical Nutrition
Quark RMR	2017	TNO, Netherlands Institute for Applied Scientific Research, Zeist, The Netherlands.	Suzan Wopereis, Johanna H. M. Stroeve, Annette Stafleu, Gertrud C. M. Bakker, Jacobus Burggraaf, Marjan J. van Erk, Linette Pellis, Ruud Boessen, Alwine A. F. Kardinaal and Ben van Ommen	Multi-parameter comparison of a standardized mixed meal tolerance test in healthy and type 2 diabetic subjects: the PhenFlex challenge	2017 Aug 29;12:21.	Genes Nutr	Article	Diabetology
Quark RMR	2017	Malbert CH, Picq C, Divoix JL, Henry C, Horowitz M.	Ani-Scans, Department of Nutrition, French National Institute for Agricultural Research, Saint-Gilles	Obesity-Associated Alterations in Glucose Metabolism Are Reversed by Chronic Bilateral Stimulation of the Abdominal Vagus Nerve.	2017 Apr;66(4):848-857	Diabetes	Article	Obesity
Quark RMR	2017	Alexandru Florin Rogobete, Dorel Sandesc, Marius Papurica, Emil Robert Stoicescu, Sonia Elena Popovici, Lavinia Melania Bratu, Corina Vernic, Adriana Mariana Sas, Adrian Tudor Stan, and Ovidiu Horea Bedreag	Faculty of Medicine, Victor Babes University of Medicine and Pharmacy, Str. Eftimie Murgu Nr. 2, Timisoara, 300041 Timis Romania	The influence of metabolic imbalances and oxidative stress on the outcome of critically ill polytrauma patients: a review	2017; 5: 8.	Burns Trauma	Article	ICU
Quark RMR	2017	Francois-Pierre Martin, Ming-Ming Su, Guo-Xiang Xie, Seu Ping Guiraud, Martin Kussmann, Jean-Philippe Godin, Wei Jia, Andreas Nydegger	Nestlé Institute of Health Sciences, 1015 Lausanne, Switzerland	Urinary metabolic insights into host-gut microbial interactions in healthy and IBD children	2017 May 28; 23(20): 3643-3654	World J Gastroenterol	Article	Paediatric & Children
Quark RMR	2016	Agebratt C, Ström E, Romu T, Dahlqvist-Leinhard O, Borga M, Leanderson P, Nystrom FH	Department of Medical and Health Sciences, Faculty of Medicine and Health Sciences, Linköping University, Linköping, Sweden.	A Randomized Study of the Effects of Additional Fruit and Nuts Consumption on Hepatic Fat Content, Cardiovascular Risk Factors and Basal Metabolic Rate	2016 Jan 20;11(1)	PLoS One	Article	Diet & Food Supplement
Quark RMR	2016	Romu T, Vavrch C, Dahlqvist-Leinhard O, Tallberg J, Dahlström N, Persson A, Heglind M, Lidell ME, Enerbäck S, Borga M, Nystrom FH	Center for Medical Image Science and Visualization (CMIV), Linköping University, Linköping, Sweden; Department of Biomedical Engineering, Linköping University, Linköping, Sweden	A randomized trial of cold-exposure on energy expenditure and supraclavicular brown adipose tissue volume in humans	2016 Jun;65(6):926-34	Metabolism	Article	Exercise Physiology
Quark RMR	2016	Ilenia Minicocci, Anna Tikka, Eleonora Poggiogalle, Jari Metso, Anna Montali, Fabrizio Ceci, Mario Fontana, Alessia Di Costanzo, Marianna Maranghi, Aldo Rosano, Christian Ehnholm, Lorenzo Maria Donini, Matti Jauhiainen, Marcello Arca	Department of Internal Medicine and Medical Specialties, Experimental Medicine and Cellular Biotechnologies and Hematology of Sapienza University of Rome, Rome, Italy	Angiotensin-like protein 3 (ANGPTL3) deficiency affects postprandial lipid metabolism and energy substrate utilization	apr-16	Journal of Lipid Research	Article	Clinical Nutrition
Quark RMR	2016	Bahler L, Verberne HJ, Brakema E, Tepaske R, Booij J, Hoekstra JB, Holleman F.	Internal Medicine Academic Medical Center, Amsterdam, The Netherlands	Bromocriptine and insulin sensitivity in lean and obese subjects.	2016 Nov;5(6):44-52	Endocr Connect	Article	Obesity
Quark RMR	2016	Mariam S. Alavi, Emily Peters, Andrea Marcus, Diane Rigassio Radler, Laura Byham-Gray	School of Health Related Professions Rutgers University Newark, NJ	Comparison of Measured Resting Energy Expenditure (mREE) from a Metabolic Cart to a Portable Handheld Device in Maintenance Hemodialysis Patients: A Feasibility Study	2016 • Vol. 35 • No. 1	Renal Nutrition Forum	Article	Nephrology
Quark RMR	2016	Béghin L, Coopman S, Schiff M, Vamecq J, Mention-Mulliez K, Hankard R, Cuisset JM, Ogier H, Gottrand F, Dobbelaere D	Centre d'Investigation Clinique, CIC-1403-Inserm-CH&U, Lille University Hospital, F-59000 Lille, France; LIRIC-Lille Inflammation Research International Center/UMR U995 Inserm, Lille, France	Doubling diet fat on sugar ratio in children with mitochondrial OXPHOS disorders: Effects of a randomized trial on resting energy expenditure, diet induced thermogenesis and body composition	2016 Dec;35(6):1414-1422	Clin Nutr.	Article	Diet & Food Supplement
Quark RMR	2016	Judith Keller, Julia Kahlhöfer, Andreas Peter and Anja Bosy-Westphal	Institute of Nutritional Medicine, University of Hohenheim, 70599 Stuttgart, Germany	Effects of Low versus High Glycemic Index Sugar-Sweetened Beverages on Postprandial Vasodilatation and Inactivity-Induced Impairment of Glucose Metabolism in Healthy Men	2016, 8, 802	Nutrients	Article	Diet & Food Supplement
Quark RMR	2016	Surowska A, De Giorgi S, Theytaz F, Campos V, Hodson L, Stefanoni N, Rey V, Schneider P, Laville M, Giusti V, Gabert L, Tappy L	Department of Physiology, University of Lausanne, Lausanne, Switzerland	Effects of Roux-en-Y Gastric Bypass Surgery on Postprandial Fructose Metabolism	(Silver Spring). 2016 Mar;24(3):589-96	Obesity	Article	Obesity
Quark RMR	2016	Stefan Adrian Martini, Valeriu Tomescu	Community Nutrition and Food Hygiene Department, University of Medicine and Pharmacy Tirgu Mures, Romania	Energy systems efficiency influences the results of 2,000 m race simulation among elite rowers	July 2016	Clujul Medical	Article	Rowing
Quark RMR	2016	Egli L, Lecoultre V, Cros J, Rosset R, Marques AS, Schneider P, Hodson L, Gabert L, Laville M, Tappy L	Department of Physiology, University of Lausanne, Lausanne, Switzerland	Exercise performed immediately after fructose ingestion enhances fructose oxidation and suppresses fructose storage	2016 Feb;103(2):348-55.	Am J Clin Nutr.	Article	Diet & Food Supplement
Quark RMR	2016	Cassiana R. de Goes, Barbara Perez Vogt, Ana Claudia S. Sanches, Andre L. Balbi, Daniela Ponce	Faculdade de Medicina de Botucatu, UNESP Univ Estadual Paulista, Department of Internal Medicine, Botucatu, S-ao Paulo, Brazil	Influence of different dialysis modalities in the measurement of resting energy expenditure in patients with acute kidney injury in ICU	2016 Aug 22	Clin Nutr.	Article	Nephrology
Quark RMR	2016	Hume DJ, Yokum S, Stice E	Division of Exercise Science and Sports Medicine, Department of Human Biology, Faculty of Health Sciences, University of Cape Town, Cape Town, South Africa	Low energy intake plus low energy expenditure (low energy flux), not energy surfeit, predicts future body fat gain	2016 Jun;103(6):1389-96	Am J Clin Nutr.	Article	Exercise Physiology
Quark RMR	2016	S. Wong, P. Subong, A. Pandely, M. Saif and A Graham	National Spinal Injuries Centre, Stoke Mandeville Hospital, Aylesbury	Measure or estimate energy expenditure in spinal cord injury patients? A comparison of indirect calorimetry and commonly used predictive equations	(2016), 75 (OCE1), E25	Proceedings of the Nutrition Society	Abstract	Disabled
Quark RMR	2016	Martin Sundström Rehal, Erik Fiskaare, Inga Tjäder, Ake Norberg, Olav Rooyackers, and Jan Wernerman	Department of Anesthesiology and Intensive Care Medicine, Karolinska University Hospital Huddinge, Stockholm, Sweden	Measuring energy expenditure in the intensive care unit: a comparison of indirect calorimetry by E-sCOVX and Quark RMR with Deltatrac II in mechanically ventilated critically ill patients	2016; 20: 54.	Crit Care.	Article	ICU
Quark RMR	2016	Louis J, Marquet LA, Tiollier E, Bermon S, Hausswirth C, Brisswalter J.	Research Institute for Sport and Exercise Sciences, Liverpool John Moores University, Byrom Street, Liverpool, L3 3AF, UK	The impact of sleeping with reduced glycogen stores on immunity and sleep in triathletes	2016 Oct;116(10):1941-54	Eur J Appl Physiol.	Article	Triathlon

Product	Year	Author	Institute	Title	Ref.	Journal/Meeting	Format	Topic
Quark RMR	2016	Oliveira BA, Pinhei MA, Nicoletti CF, Oliveira CC, Quinhoneiro DC, Noronha NY, Marchini JS, Marchry AJ, Junior WS, Nonino CB	Department of Internal Medicine, Ribeirão Preto Medical School, University of São Paulo, Ribeirão Preto-SP, Brazil.	UCP1 and UCP3 Expression Is Associated with Lipid and Carbohydrate Oxidation and Body Composition	2016 Mar 9;11(3):e0150811	PLoS One.	Article	Clinical Nutrition
Quark RMR	2016	Francois-Pierre Martin, Jessica Ezri, Ornella Cominetti, Laetitia Da Silva, Martin Kussmann, Jean-Philippe Godin and Andreas Nydegger	Nestlé Institute of Health Sciences, 1015 Lausanne, Switzerland;	Urinary Metabolic Phenotyping Reveals Differences in the Metabolic Status of Healthy and Inflammatory Bowel Disease (IBD) Children in Relation to Growth and Disease Activity	2016, 17, 1310	Int. J. Mol. Sci.	Article	Clinical Nutrition
Quark RMR	2015	Rodica Doros, Alina Delcea, Liliana Mardare, and Laura Petcu	National Institute of Diabetes, Nutrition and Metabolic Diseases "N.C. Paulescu" – Bucharest	Basal Metabolic Rate in metabolic disorders	Series B, 2015, 17(2), p. 137–143	Proc. Rom. Acad.,	Article	Metabolic Syndrome
Quark RMR	2015	Ana Lígia Ceolin Alves, Carolina Pereira Zuconi, and Maria Isabel Toulson Davisson Correia	Food Science Postgraduate Program, Pharmacy School, Universidade Federal de Minas Gerais, Minas Gerais, Brazil	Energy Expenditure in Patients With Esophageal, Gastric, and Colorectal Cancer	2015 Jan 6.	JPEN J Parenter Enteral Nutr.	Article	Oncology
Quark RMR	2015	Zuconi CP, Ceolin Alves AL, Toulson Davisson Correia MI	Food Science Postgraduate Program, Pharmacy School, Universidade Federal de Minas Gerais, Belo Horizonte, Minas Gerais, Brazil.	Energy expenditure in women with breast cancer.	2015 Apr;31(4):556-9.	Nutrition	Article	Oncology
Quark RMR	2015	Nicholas T. Broskey, Andreas Boss, Elie-Jacques Fares, Chiara Greggio, Gerald Gremion, Leo Schluter, Didier Hans, Roland Kreis, Chris Boesch and Francesca Amati	Department of Physiology, School of Biology and Medicine, University of Lausanne, Lausanne, Switzerland	Exercise efficiency relates with mitochondrial content and function in older adults	2015, Vol. 3, Iss. 6, Page 4	Physiological Reports	Article	Exercise Physiology
Quark RMR	2015	Hannah Pallubinsky, Lisje Schellen, Boris RM Kingma, Wouter D van Marken Lichtenbelt	Department of Human Biology, NUTRIM, Maastricht University, The Netherlands	Human thermoneutral zone and thermal comfort zone: effects of mild heat acclimation	2015, 4(Suppl 1):A7	Extreme Physiology & Medicine	Abstract	Ergonomics
Quark RMR	2015	Priscila Giacomo Fassini, José Henrique Silvah, Cristiane Maria Mártires Lima, Camila Fernanda Costa Cunha Moraes Brandão, Lauro Wichert-Ana, Júlio Sérgio Marchini and Vivian Miguel Marques Suen	Ribeirão Preto School of Medicine, University of São Paulo, Brazil	Indirect Calorimetry: From Expired CO2 Production, Inspired O2 Consumption to Energy Equivalent	Volume S5 • Issue 001 - 2015	J Obes Weight Loss Ther	Article	Literature Review
Quark RMR	2015	Priscila Giacomo Fassini, José Henrique Silvah, Cristiane Maria Mártires Lima, Camila Fernanda Costa Cunha, Moraes Brandão, Lauro Wichert-Ana, Júlio Sérgio Marchini and Vivian Miguel Marques Suen	Ribeirão Preto School of Medicine, University of São Paulo, Brazil	Indirect Calorimetry: From Expired CO2 Production, Inspired O2 Consumption to Energy Equivalent	Volume S5, Issue 001, S5-001	J Obes Weight Loss Ther	Article	Validation
Quark RMR	2015	Isabell Hergenhan, K. Kohlenberg-Müller	Fachbereich Oecotrophologie, Hochschule Fulda – University of Applied Sciences, Fulda	Indirekte Kalorimetrie – Reliabilität und Vergleich verschiedener Methoden der Gassammlung mittels Quark RMR	2015; 40 - P1_4	Aktuel Ernährungsmed	Article	Validation
Quark RMR	2015	Müller MJ, Enderle J, Pourhassan M, Braun W, Egging B, Lagerpusch M, Glüer CC, Kehayias JJ, Kiosz D, Bost-Westphal A	Institute of Human Nutrition and Food Science, University Medical Center Schleswig Holstein, Christian-Albrechts University, Kiel, Germany	Metabolic adaptation to caloric restriction and subsequent refeeding: the Minnesota Starvation Experiment revisited	2015 Oct;102(4):807-19	Am J Clin Nutr.	Article	Metabolic Syndrome
Quark RMR	2015	Monica C Serra, Charlene E Hafer-Macko and Alice S Ryan	Division of Gerontology and Geriatric Medicine, Department of Medicine, University of Maryland School of Medicine, Baltimore, USA	Reduced Resting Metabolic Rate in Adults with Hemiparetic Chronic Stroke	2015, 6:6	J Neurol Neurophysiol	Article	Cardiology
Quark RMR	2015	Michail Konstantinidis	Department of Sport and Exercise Science, University of Portsmouth, Greece	The Effect of a Fat-Burner and a Marine Peptide Hydrolysate Supplement on Fat Metabolism, During Endurance Exercise at the Fatmax Intensity	Volume 2 Issue 4 - 2015	Adv Obes Weight Manag Control	Article	Exercise Physiology
Quark RMR	2015	Jennifer L. Miles-Chan, Nathalie Charriere, Erik K Grasser, Jean-Pierre Montani, and Abdul G Dulloo	Laboratory of Integrative Cardiovascular and Metabolic Physiology, Division of Physiology, Department of Medicine, University of Fribourg, Fribourg	The Thermic Effect of Sugar-Free Red Bull: Do the Non-Caffeine Bioactive Ingredients in Energy Drinks Play a Role?	(2015) 23, 16-19.	Obesity	Article	Diet & Food Supplement
Quark RMR	2015	Ali M Almajwal, Mahmoud M Abulmeaty, Mohamed F Elsadek	College of Applied Medical Sciences, King Saud University, Riyadh, Saudi Arabia	Validity of prediction equations for the assessment of REE in sample of Saudi males	5-7 March 2015 UAE	4th Annual Middle East Congress on Clinical Nutrition	Article	Ethnic
Quark RMR	2015	Jésus P, Achamrah N, Grigioni S, Charles J, Rimbert A, Folepe V, Petit A, Déchelotte P, Coëffier M.	INSERM Unit 1073, Rouen, France; Rouen University, Institute for Innovation and Biomedical Research, Rouen, France; Rouen University Hospital, Nutrition Unit, Rouen, France.	Validity of predictive equations for resting energy expenditure according to the body mass index in a population of 1726 patients followed in a Nutrition Unit.	2015 Jun;34(3):529-35.	Clin Nutr.	Article	Clinical Nutrition
Quark RMR	2015	N Charrière, JL Miles-Chan, J-P Montani and AG Dulloo	Department of Medicine, Division of Physiology, University of Fribourg, Fribourg, Switzerland	Water-induced thermogenesis and fat oxidation: a reassessment	(2015) 5, e190	Nutrition & Diabetes	Article	Diet & Food Supplement
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.	Article	Validation
Quark RMR	2014	Monique Cruz dos Santos, Friede Wenhold, Piet Becker	Self Employed	Comparison of resting energy expenditure in black and white male runners	2014	Nutrition Congress 2014, Johannesburg	Abstract	Ethnic
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	Article	Obesity
Quark RMR	2014	T Kelder, JHM Stroeve, S Bijlsma, M Radonjic and G Roesslers	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	Article	Diabetology
Quark RMR	2014	Mavin Macauley, Kieren G. Hollingsworth, Fiona E. Smith, Peter E. Thelwall, Ahmad Al-Mrabeh, Anja Schweizer, James E. Foley, and Roy Taylor	Newcastle Magnetic Resonance Centre (M.M., K.G.H., F.E.S., P.E.T., A.A.-M., R.T.), Institute of Cellular Medicine, Newcastle University, Newcastle upon Tyne, United Kingdom	Effect of Vildagliptin on Hepatic Steatosis	100: 1578–1585, 2015	J Clin Endocrinol Metab	Article	Nephrology
Quark RMR	2014	M. Salvador, I. Regeni, P. Sanguiliano, 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	41671	XII Congresso STAT	Abstract	Orthopedics
Quark RMR	2014	Fanny Theytaz, Sara de Giorgi, Leanne Hodson, Nathalie Stefanoni, Valentine Rey, Philippe Schneider, Vittorio Giusti and Luc Tappy	Department of Physiology, University of Lausanne, Switzerland	Metabolic Fate of Fructose Ingested with and without Glucose in a Mixed Meal	2014, 6, 2632-2649	Nutrients	Article	Diet & Food Supplement

Product	Year	Author	Institute	Title	Ref.	Journal/Meeting	Format	Topic
Quark RMR	2014	L. N. Kostyuchenko, V. V. Subbotin, D. V. Shumilina, Ya. I. Krukko, O. A. Smirnova, M. V. Grigoriev	Moscow Clinical Scientific and Practical Center at the Moscow Department of Health Care	Metabolic Monitoring in Current Practice and Choice of Nutritional Support Programs	№ 2 (6) / 2014	Специальный выпуск	Article	Literature Review
Quark RMR	2014	I. Regeni, M. Salvador, P. Sanguiliano, 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?	41671	XII Congresso STAT	Abstract	ICU
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	Article	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	Article	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	Poster	ICU
Quark RMR	2013	Di Sarra D, Tosi F, Bonin C, Fiers T, Kaufman JM, Signori C, Zambotti F, Dall'Aida M, Caruso B, Zanolin ME, Bonora E, Moghetti P.	Department of Endocrinology, Diabetes and Metabolism, University of Verona and Azienda Ospedaliera Universitaria Integrata Verona, I-37126 Verona, Italy.	Metabolic inflexibility is a feature of women with polycystic ovary syndrome and is associated with both insulin resistance and hyperandrogenism.	2013 Jun;98(6):2581-8	Clin Endocrinol Metab.	Article	Clinical Nutrition
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	Article	Metabolic Syndrome
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	Poster	ICU
Quark RMR	2013	Porteous S, Walsh M, Tierney A, Ridley E, Nyulasi I, Cleland H	Nutrition Department, The Alfred hospital, Melbourne Australia	Resting Energy Expenditure in Critically Ill burns patients	21 – 25 OCTOBER 2013	Alfred Week Research Poster Display	Abstract	Burn Patients
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	Article	Oncology
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	Article	Validation
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	Article	Obesity
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	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	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.	Article	Diet & Food Supplement
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	Article	Obesity
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	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; Nutriclínica – 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.	Poster	ICU
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 lipoprotéines riches en triglycérides (TRL) intestinales chez le patient diabétique de type 2	2011		Thesis	Diabetology
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	Poster	Metabolic Syndrome
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		Technical doc	Validation
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	Article	Validation
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	Abstract	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	Influence of Ventilatory Settings on Indirect Calorimetry in Mechanically Ventilated Patients	2011	33rd IEEE EMBS Conference 2011	Article	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	Article	Obesity
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	Article	Neurology

Product	Year	Author	Institute	Title	Ref.	Journal/Meeting	Format	Topic
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	Poster	Metabolic Syndrome
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	Article	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	Article	Obesity
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	Poster	Metabolic Syndrome
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	Article	Validation
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		Technical doc	Validation
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		Abstract	Metabolic Syndrome
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		Abstract	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	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	Poster	Validation
Quark RMR	2009	E. Blond, C. Maitrepierre, M. Sohier, 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		Poster	Validation