

English Articles

	Title	Journal	Year	Author	Population	Directory	InBody model	Parameters
1	The effect of muscle power training with elastic band on blood glucose, cytokine, and physical function in elderly women with hyperglycemia	J. Exerc. Nutr. Biochem.	2015	Eun Hee Jin et al	Geriatric	Diabetes	370	weight, muscle mass, BPF
2	Effect of a continuous diabetes lifestyle intervention program on male workers in Korea	Diabetes Research and Clinical Practice	2010			Diabetes		
3	Thoracic-to-hip circumference ratio as a novel marker of type 2 diabetes, independent of body mass index and waist-to-hip ratio, in Korean adults	Diabetes Research and Clinical Practice	2014	Duaong Duc pham et al	Geriatric	Diabetes	720	BFM, PBF
4	The Association of Lung Age with Smoking Status in Korean Men	Korean Journal of Family medicine	2014	Hye Young Oh et al	Healthy adults	life style	3,0	BFM, SMM, PBF
5	Changes of Plasma Adiponectin Levels after Smoking Cessation	Psychiatry Investigation	2014	Wang Youn Won et al	Smoking adults	life style	720	BFM, WHR
6	The Appropriateness of the Length of Insulin Needles Based on Determination of Skin and Subcutaneous Fat Thickness in the Abdomen and Upper Arm in Patients with Type 2 Diabetes	Diabetes & metabolism journal	2014	Kang Hee Sim et al	Adults	Diabetes	230	BMI
7	Vitamin D deficiency in women with polycystic ovary syndrome	Clin Exp Reprod Med	2014	Jin Ju Kim et al	Adults	gynecology	770	FM, VFA
8	Cardiovascular Screening in Asymptomatic Adolescents with Metabolic Syndrome	J cardiovasc ultrasound	2015	Hyun Kyung Bae et al	Children age under 18	metabolic syndrome	720	PBF, FM
9	Association between Metabolic Syndrome and Gallbladder Polyps in Healthy Korean Adults	Journal of Korean Medical Science	2013	Eun Jung Park et al	metabolic syndrome	metabolic syndrome	720	BFM, SMM
10	Impact of ENPP1 K121Q on Change of Insulin Resistance after Web-Based Intervention in Korean Men with Diabetes and Impaired Fasting Glucose	Journal of Korean Medical Science	2014	Ji Yoen Kang et al		Diabetes		

11	Comparison of the Body Adiposity Index to Body Mass Index in Korean Women	Yonsei Medical Journal	2014	Yeon-Ah Sung et al	Adults	body composition only	230	BFM, PBF
12	Metabolic syndrome is associated with increased risk of recurrent colorectal adenomas in Korean men	International Journal of Obesity	2012	M-C Kim et al	Adults	Gastrointestinal disease	2,0	height, weight(BMI)
13	Characterization of Patients With Advanced Pancreatic Cancer and High Serum Interleukin-6 Levels	Pancreas	2015	Miura et al		cancer		
14	Comparison of Bioelectrical impedance spectroscopy (BIS) and Skinfold Thickness for Estimating Body Composition	Journal of Kinesiology and Nutrition Student		Valere Guertin et al		Validation		
15	Influence of lifestyle on the FAIM2 promoter methylation between obese and lean children- a cohort study	BMJ Open	2015	Lijun Wu et al	Children age under 18	child obese	720	PBF
16	Validating a new BIS system with Densitometry using BOD POD	Journal of Kinesiology and Nutrition Student	2015	Saurabh Patel et al	Adults	Validation		

17	A study on diagnostic pattern questionnaire associated with body mass index in 20-40's women	Journal of society of Korean Medicine for obesity research	2011	KS Park et al	Adults	body composition only		
18	Factors associated with changes in bone mineral content among girls in early pubertal age	The Korean Nutrition	2007	YS Toon et al	Children age under 18	body composition (special group)		???,???
19	A study on relationships between bone age and body composition	J Korean Oriental Pediatrics	2009	YJ Lee et al	Children age under 18	body composition (special group)		???
20	Effects of Robot-assisted fait therapy on locomotor recovery in stroke paitents	J Korean Acad Fehab Med	2008	Kyung Hoon Jung et al	Adults	rehabilitation	720	???, ????
21	The correlation between actual blood concentration of propofol and the difference of estimated lean body mass with actual lean body mass in target controlled infusion	Korean J Anesthesiol	2008	SW Choi et al	Surgical pataients	body composition (special group)		FFM
22	Excessive visceral fat accumulation in advanced chronic obstructive pulmonary disease	International Journal of COPD	2011	Ryuko Furutate et al	COPD	COPD		FM, FFM
23	Chronic effect of light resistance exercise after ingestion of a high protein snack on increase of skeletal muscle mass and strength in young adults	J Nutr Sci Vitaminol	2011	Yushi Kato et al	Adults	Sports		BF
24	Multimodal optimization of surgical care shows beneficial outcome in gastrectomy	Journal of parenteral and enteral nutrition	2010	Zin-Zin Liu N et al	Surgical pataients	Gastrointestinal disease		protein, muscle, ICF,ECF,TBW
25	Pressure monitoring of multilayer inelastic bandaging and the effect of padding in breast cancer related lymphedema patients	Am. J. Phys. Med. Rehabil.	2012	Y.Kang et al	Cancer patient	Lymphedema		ECF/TBF
26	Combined opto-electronic perometry and bioimpedance to measure objectively the effectiveness of a new treatment intervention for chronic secondary leg lymphedema	Lymphology	2002	A. Moseley et al		Lymphedema		ICW, ECW, TBW
27	Skeletal muscle mass as a predictor of mortality in the elderly population	Korean J Med	2013	Hee Won Jung et al	Geriatric	sarcopenia	4,0	????
28	The optimal ratio of extracellular water to total body water (ECW/TBW) determined by bioelectrical impedance analysis(BIA) for setting dry weight in hemodialysis patients	???????	2008	Nobuhiro Sasaki e al		Renal disease	S20	ECW ratio
29	Serum sterol profiling reveals increased cholesterol biosynthesis in childhood obesity	J Steroid Biochem Mol Biol	2015	Hyun-hwa Son et al	Children age under 18	body composition (special group)	720	WHR, BFM, PBF
30	Appendicular skeletal muscle mass and insulin resistance in an elderly korean population: the korean social life, health and aging project-health examination	Diabetes Metab J	2015	Lee SW et al	Geriatric	Diabetes	370	ASM
31	A calorie-restriction diet supplemented with fish oil and high-protein powder is associated with reduced severity of metabolic syndrome in obese women	European Journal of Clinical Nutrition	2014	H-Y Su	Obese	Diet	720	PBF
32	Altered levels of serum sphingomyelin and ceramide containing distinct acyl chains in young obese adults	Nutrition & Diabetes	2014	H Hanamatsu	Obese	obesity	S20	PBF, BFM
33	Correlation network analysis reveals relationships between diet-induced changes in human gut microbiota and metabolic health	Nutrition & Diabetes	2014	T Kelder	Healthy adults	body composition only	720	BW, BFM, FFM, SMM, VFA
34	Light physical activity determined by a motion sensor decreases insulin resistance, improves lipid homeostasis and reduces visceral fat in high-risk subjects: PreDiabEx study RCT	International Journal of Obesity	2014	K-H Herzig	Diabetes patients	Diabetes	720	PBF, VFA, SM

35	Very low calorie ketogenic weight reduction diet in patients with cirrhosis: a case series	Nutrition & Diabetes	2013	JC Temmerman	Liver disease patients	Liver disease	520	FM, LM
36	Dietary factors associated with overweight and body adiposity in Finnish children aged 6–8 years: the PANIC Study	International Journal of Obesity	2012	A-M Eloranta	Children age under 18	body composition (special group)	720	BW
37	Leisure-time physical activity and high-risk fat: a longitudinal population-based twin study	International Journal of Obesity	2009	T Leskinen	Geriatric	body composition (special group)	720	PBF, FM, FFM
38	The relationship between body fat mass and erectile dysfunction in Korean men: Hallym Aging Study	International Journal of Impotence Research	2009	Y-G Cho	Geriatric	urinary system	3,0	PBF
39	Individual variability following 12 weeks of supervised exercise: identification and characterization of compensation for exercise-induced weight loss	International Journal of Obesity	2008	NA King	Obese	healthcare	3,0	BW, PBF
40	Birth size, adult body composition and muscle strength in later life	International Journal of Obesity	2008	H Ylihaarsila	Geriatric	body composition only	3,0	LBM, BFM, PBF
41	Vascular endothelial dysfunction tested by blunted response to endothelium-dependent vasodilation by salbutamol and its related factors in uncomplicated premenopausal obese women	International Journal of Obesity	2005	H-S Suh	Obese	obesity	2,0	PBF
42	Which Obesity Indicators Are Better Predictors of Metabolic Risk?: Healthy Twin Study	Obesity	2008	Kayoung Lee	Healthy adults	obesity	2.0, 3.0	PBF
43	Women With Hypertensive Pregnancies Have Difficulties in Regaining Pre-pregnancy Weight and Show Metabolic Disturbances	Obesity	2010	Katariina Suntuo	Pregnant women	body composition (special group)	3,0	ICW, ECW, FM, LBM, PBF
44	Association Between BMI and Metabolic Syndrome and Adenomatous Colonic Polyps in Korean Men	Obesity	2008	Go-Eun Lee	Adults	metabolic syndrome	3,0	BMI
45	Brown Adipose Tissue, Whole-Body Energy Expenditure, and Thermogenesis in Healthy Adult Men	Obesity	2011	Takeshi Yoneshiro	BAT-positive 67, BAT-negative 77	body composition only	320	BW, PBF, BFM, LBM
46	Women With and Without Metabolic Disorder Differ in Their Gut Microbiota Composition	Obesity	2012	Eveliina Munukka	metabolic syndrome	metabolic syndrome	720	PBF, FM, FFM, VFA
47	Recapitulation of the Association of the Val66Met Polymorphism of BDNF Gene With BMI in Koreans	Obesity	2012	Kyung-Won Hong	Geriatric	body composition only	3,0	PBF
48	Age-Related Decrease in Cold-Activated Brown Adipose Tissue and Accumulation of Body Fat in Healthy Humans	Obesity	2011	Takeshi Yoneshiro	BAT-positive 67, BAT-negative 95	body composition only	320	PBF
49	A-FABP—A Biomarker Associated With the Metabolic Syndrome and/or an Indicator of Weight Change?	Obesity	2008	Julia Engl	Obese	obesity	3,0	FM, LM
50	The Effect of Dietary Glycemic Index on Weight Maintenance in Overweight Subjects: A Pilot Study	Obesity	2008	Elena Philippou	HGI 19, LGI 23	obesity	3,0	BW, PBF
51	Counterintuitive relationship between visceral fat and all-cause mortality in an elderly Asian population	Obesity	2015	Eun Shil Hong	Geriatric	obesity	720	BFM, PBF
52	Effects of intensive lifestyle intervention and gastric bypass on aortic stiffness: A 1-year nonrandomized clinical study	Obesity	2015	Espen Gjevestad	Obese	obesity	720	BW, H, WC
53	Pericardial Fat Amount Is an Independent Risk Factor of Coronary Artery Stenosis Assessed by Multidetector-Row Computed Tomography: The Korean Atherosclerosis Study	Obesity	2011	Tae Hyuk Kim	Adults	cardiovascular disease	3,0	BF

54	Postpartum Changes in Body Composition	Obesity	2011	Geum Joon Cho	Pregnant women	body composition (special group)	720	TBW, ECW, ICW, ECWratio, FFM, FM, VFA
55	MONW Phenotype Is Associated With Advanced Colorectal Adenoma in Korean Men	Obesity	2012	Moon-Chan Kim	Adults	Gastrointestinal disease	2,0	BW, BMI
56	Implication of high-body-fat percentage on cardiometabolic risk in middle-aged, healthy, normal-weight adults	Obesity	2013	Ji Young Kim	Adults	cardio vascular disease	3,0	BW, BF, PBF, BM
57	Impact of LPL gene rs283 polymorphism on exercise-induced changes in metabolism of obese adolescents and the regulatory mechanisms behind it	Experimental Physiology	2015	Rui-Rui Gao	Obese	obesity	720	BM, BMI, BMM, BF, PBF, WHR
58	Association between Metabolic Syndrome, Smoking Status and Coronary Artery Calcification	PLoS ONE	2015	Yun-Ah Lee	Smoking adults	metabolic syndrome	3,0	BMI
59	Heterogeneity in the Energy Cost of Posture Maintenance during Standing Relative to Sitting: Phenotyping According to Magnitude and Time-Course	PLoS ONE	2013	Jennifer L. Miles-Chan	Healthy adults	body composition only	720	BM, BMI
60	Acute Exercise Induces FGF21 Expression in Mice and in Healthy Humans	PLoS ONE	2013	Kook Hwan Kim	Healthy adults	healthcare	720	BMI, PBF, BM
61	Aerobic Fitness Does Not Modify the Effect of FTO Variation on Body Composition Traits	PLoS ONE	2012	Antti Huuskonen	Healthy adults	body composition only	720	BF, LM
62	Cardiac Repolarization and Autonomic Regulation during Short-Term Cold Exposure in Hypertensive Men: An Experimental Study	PLoS ONE	2014	Heidi Hintsala	Geriatric	cardio vascular disease	720	BMI, PBF
63	Metabolic Health Is a More Important Determinant for Diabetes Development than Simple Obesity: A 4-Year Retrospective Longitudinal Study	PLoS ONE	2014	Eun-Jung Rhee	Adults	Diabetes	3,0	LM, FM, PBF, SMI
64	The Relationship between Leukocyte Mitochondrial DNA Copy Number and Telomere Length in Community-Dwelling Elderly Women	PLoS ONE	2013	Jung-Ha Kim	Geriatric	body composition only	3,0	BMI, PBF
65	Chemerin and Adiponectin Contribute Reciprocally to Metabolic Syndrome	PLoS ONE	2012	Sang Hui Chu	Healthy adults	metabolic syndrome	330	PBF
66	Parasympathetic Activity and Blood Catecholamine Responses Following a Single Partial-Body Cryostimulation and a Whole-Body Cryostimulation	PLoS ONE	2013	Christophe Hausswirth	Healthy adults	body composition only	720	BM, BMI, PBF
67	Relationship between vitamin K status, bone mineral density, and hs-CRP in young Korean women	Nutrition Research and Practice	2010	Misung Kim	Adults	Diet	3,0	BMI, BF, PBF, WHR
68	Dietary patterns are associated with physical growth among school girls aged 9-11 years	Nutrition Research and Practice	2011	Hwa Young Noh	Children age under 18	life style	3,0	BW, LM, FM, MM
69	Accuracy of predictive equations for resting energy expenditure (REE) in non-obese and obese Korean children and adolescents	Nutrition Research and Practice	2012	Myung-Hee Kim	Children age under 18	Validation	BSM330, 720	height, BW, FM
70	Effect of zinc supplementation on insulin resistance and metabolic risk factors in obese Korean women	Nutrition Research and Practice	2012	Jihye Kim	Obese	Diet	3,0	BW, BMI, WHR
71	Daily calcium intake and its relation to blood pressure, blood lipids, and oxidative stress biomarkers in hypertensive and normotensive subjects	Nutrition Research and Practice	2012	Mi-Hyun Kim	High blood pressure	Diet	InBody	BW, BMI
72	Low dietary calcium is associated with self-rated depression in middle-aged Korean women	Nutrition Research and Practice	2012	Yun-Jung Bae	Geriatric	Diet	3,0	BW, PBF

73	Dietary zinc intake is inversely associated with systolic blood pressure in young obese women	Nutrition Research and Practice	2013	Jihye Kim	Obese	Diet	3,0	BW
74	Dietary changes in Vietnamese marriage immigrant women: The KoGES follow-up study	Nutrition Research and Practice	2014	Ji-Yun Hwang	Adults	Diet	230	SMM, PBF
75	Moderate diet-induced weight loss is associated with improved insulin sensitivity in middle-aged healthy obese Korean women	Nutrition Research and Practice	2014	Hye-Ok Lee	Obese	obesity	3,0	LBM, PBF
76	Association between high sensitivity C-reactive protein and dietary intake in Vietnamese young women	Nutrition Research and Practice	2014	Ahra Ko	Adults	Diet	230	BW, PBF
77	Effect of a 12-week weight management program on the clinical characteristics and dietary intake of the young obese and the contributing factors to the successful weight	Nutrition Research and Practice	2014	AeJin Lee	Obese	obesity	520	BW, WHR, FM
78	Genetic associations of body composition, flexibility and injury risk with ACE, ACTN3 and COL5A1 polymorphisms in Korean ballerinas	J Exerc Nutr Biochem	2014	Jun Ho Kim et al	Healthy adults	body composition only	720	weight, BFM, BFP, FFM
79	Changes in Body Composition Predict Homocysteine Changes and Hyperhomocysteinemia in Korea	Journal of Korean Medical Science	2013	Seung-yeon Park et al	Adults	cardiovascular diseases	3,0	LBM, PBF
80	Berry meals and risk factors associated with metabolic syndrome	European Journal of Clinical Nutrition	2010	H-M Lehtonen et al	Adults	Diet	3,0	BFM, FFM, BFP
81	Veganism and its relationship with insulin resistance and intramyocellular lipid	European Journal of Clinical Nutrition	2005	LM Goff et al	caucasian vegan 21% ² , 22% ² 25% ²	Diet	3,0	BFP
82	Association between objectively measured sleep quality and obesity in community-dwelling adults aged 80 years or older A cross-sectional study	Journal of Korean Medical Science	2015	Miji Kim		obesity		
83	association of the new index of sarcopenic obesity with physical fitness in healthy saudi men and women	European Review for Medical and Pharmacological	2015	L. Al-DOKHI	Healthy adults	sarcopenia	3,0	BMI, obesity degree 17%
84	descriptive model and gender dimorphism of body structure of physically active students of belgrade university- pilot study	Anthropologist	2015	Dopsaj Milivoj et al	university students	healthcare	720	BFP 16%
85	Modest weight loss through a 12-week weight management program with behavioral modification seems to attenuate inflammatory responses in young obese	Nutr Res.	2015	AeJin Lee et al	Obese	Diet	520	weight, WC, FM
86	The effect of active core exercise on fitness and foot pressure in Taekwondo club students	J. Phys. Ther. Sci	2015	Seong-deok yoon et al		Sports	720	BFM
87	Therapeutic effect of hybrid training of voluntary and electrical muscle contractions in middle-aged obese women with nonalcoholic fatty liver disease a pilot trial	Therapeutics and clinical risk management	2015	Sechang Oh et al	Obese	Liver disease	720	weight, SMM, BFM
88	a follow up study on the physique, body composition, physical fitness, and isokinetic strength of female collegiate Taekwondo athletes	Journal of Exercise Rehabilitation	2015	hyun-Bae Kim et al	Athletes	Sports	3,0	PBF, FM, FFM, TBW

89	impact of limited hamstring flexibility on vertical jump, kicking speed, sprint, and agility in young football players	Routledge	2015	F. GARCIA-PINILLOS et al	Children age under 18	Sports	R20	FM, SMM
90	predictors and risks of body fat profiles in young New Zealand European, Maori, and Pacific women study protocol for the women's EXPLORE study		2015	Rozanne Kruger	Adults	obesity	230	fat, lean mass
91	Concordance between muscle mass assessed by bioelectrical impedance analysis and by dual energy x-ray absorptiometry- a cross-sectional study	BMC Musculoskeletal Disorders	2015	Fanny Buckinx et al	middle aged adults	Validation	S10	
92	Irisin, a newly discovered myokine, is a novel biomarker with physical activity in patients with chronic obstructive pulmonary disease	Respirology	2015	Naoki Ijiri et al	COPD	COPD	3,0	FFM
93	Influence of Resistance Training Combined with Daily Consumption of an Egg-based or Bagel-based Breakfast on Risk Factors for chronic diseases in Healthy Untrained Individuals	original research	2015	Zachary S. Clayton et al	Adults	Diet	520	body weight, BFM, LBM
94	increased bone mineral density according to increase of skeletal muscle mass in 534 Korean women- A retrospective cohort study conducted over 2.7 years	obstetrics & Gynecology Science	2015	Sun Mie Kim et al	Adults	orthopedic	4,0	SMM
95	Polymorphisms of the ApoE Gene and their influence on dyslipidemia in HIV-1 infected individuals	Jpn. J. Infect. Dis	2015	Tanida Suwalak et al		AIDS	720	
96	Assessment of the exercise intensity of short stick exercises in elderly individuals	Rehabilitaion Research and Practice	2015	Shigeki Kurasawa et al	Geriatric	healthcare	S10	
97	IMPACT OF NON-TRAINING PHYSICAL ACTIVITY ON MENSTRUAL DYSFUNCTION IN COLLEGIATE CROSS-COUNTRY RUNNERS.	Journal of Undergraduate Kinesiology Research	2015	Nell, A. et al		Sports	770	
98	A randomised controlled study of the long-term effects of exercise training on mortality in elderly people: study protocol for the Generation 100 study	BMJ Open	2015	Stensvold, D. et al	Geriatric	healthcare	720	
99	Trajectories of body mass index among children who develop type 2 diabetes as adults.	Journal of Internal Medicine	2015	Eriksson, J. G. et al		Diabetes	3,0	
100	Association of dual-task walking performance and leg muscle quality in healthy children	BMC Pediatrics	2015	Beurskens, R. et al	Children age under 18	body composition (special group)	720	

101	Effects of short term oral corticosteroid intake on dietary intake, body weight and body composition in adults with asthma-a randomised controlled trial	Clinical & Experimental Allergy	2015	Berthon, B. S. et al	Asthma	Medication	720	
102	Serum Zinc Concentrations Correlate with Mental and Physical Status of Nursing Home Residents	PloS one	2015	Markiewicz-Żukowska, R. et al	Adults	body composition (special group)	720	2015, 2015
103	Effects of a Combined Physical Training and Nutrition Intervention on Physical Performance and Health-Related Quality of Life in Prefrail Older Women Living in the Community: A Randomized Controlled Trial	Journal of the American Medical Directors Association	2015	Kwon, J. et al	Geriatric	healthcare		
104	Effectiveness of 6 Months of Tailored Text Message Reminders for Obese Male Participants in a Worksite Weight Loss Program: Randomized Controlled Trial	JMIR mHealth and uHealth	2015	Kim, J. Y. et al		obesity	U20	
105	Small-Dense LDL/Large-Buoyant LDL Ratio Associates with the Metabolic Syndrome	Clinical Biochemistry	2015	Srisawasdi, P. et al		metabolic syndrome	720	
106	The effect of glutathione S-transferase M1 and T1 polymorphisms on blood pressure, blood glucose, and lipid profiles following the supplementation of kale (<i>Brassica oleracea acephala</i>) juice in South Korean subclinical	Nutrition Research and Practice	2015	Han, J. H. et al		Diet	520	
107	Comparison of total energy expenditure between the farming season and off farming season and accuracy assessment of estimated energy requirement prediction	Nutrition Research and Practice	2015	Kim, E. K. et al	Adults	body composition (special group)	720	
108	Elevation of a novel angiogenic factor, Leucine-Rich-α2-Glycoprotein (LRG1), is associated with arterial stiffness, endothelial dysfunction and Peripheral Arterial Disease in	The Journal of Clinical Endocrinology &	2015	Pek, S. L. et al		Diabetes	330	
109	The effect of fast eating on the thermic effect of food in young Japanese women	International Journal of Food Sciences and Nutrition	2015	Toyama, K. et al		life style		
110	Elevation of branched-chain amino acid levels in diabetes and NAFL and changes with antidiabetic drug treatment	Obesity Research & Clinical Practice	2015	Motoh Iwasa et al	Obese	DM, Liver disease	720	
111	Moderate alcohol consumption stimulates food intake and food reward of savoury foods	Appetite	2015	Schrieks IC et al		life style	720	
112	Ageing influence in the evolution of strength and muscle mass in women with fibromyalgia	Rheumatol Int	2015	Latorre-Román PÁ et al		rehabilitation	R20	
113	Relation between body composition and motor abilities of children up to 7 years of age	J Phys Ther Sci	2015	Kim JS et al	Children age under 18	body composition (special group)	230	

114	Effects of high-frequency current therapy on abdominal obesity in young women	J Phys Ther Sci	2015	Kim JS et al		obesity	520	
115	Use of Bioelectrical Impedance Analysis for the Assessment of Nutritional Status in Critically Ill Patients.	Clinical Nutrition Research	2015	Lee, Y et al	ICU patients	body composition (special group)	510	
116	High Serum Adiponectin Concentration and Low Body Mass Index are Significantly Associated with Increased All-cause and Cardiovascular Mortality in an Elderly Cohort, "Adiponectin Paradox": the Korean Longitudinal Study on Health and Aging (KLOSHA)	International Journal of Cardiology	2015	Choi, S. H et al	Geriatric	cardio vascular disease	220	
117	Bioimpedance at the Bedside Current Applications, Limitations, and Opportunities	Nutrition in Clinical Practice	2015	Mulasi, U. et al		BIA??	???	
118	Intramuscular sex steroid hormones are associated with skeletal muscle strength and power in women with different hormonal status	Aging Cell	2015	Pöllänen, E. et al	Adults	rehabilitation	720	FM, FFM
119	Body Composition Features in Different Playing Position of Professional Team Indoor Players: Basketball, Handball and Futsal.	Int. J. Morphol	2014	Ramos-Campo, D. J et al	Athletes	Sports	720	SMM, ICW, ECW, segmental
120	Effects of the extract from roasted chicory (Cichorium intybus L.) root containing inulin-type fructans on blood glucose, lipid metabolism, and fecal properties	Journal of Traditional and Complementary Medicine	2015	Mie Nishimura et al		Diet	???	
121	Relation Between Body Composition and Motor Abilities of Children up to 7 Years of Age	Int. J. Morphol	2014	J Lepas et al	Children age under 18	body composition (special group)	230	PBF, SMM,
122	Serum fibronectin 1 and ApoE levels increase with risk of lymphedema in Korean breast cancer survivors	Supportive Care in Cancer	2015	Yim, S et al	Cancer patient	cancer, lymphedema	720	ECW/TBW
123	The relationship between attention deficit hyperactivity disorder and health-related physical fitness in university students	Journal of Exercise Rehabilitation	2014	Jeoung, B. J.	ADHD	ADHD	720	WHR
124	Antiobesity effect of Gynostemma pentaphyllum extract (actiponin): A randomized, double-blind, placebo-controlled trial	Obesity	2014	Park, S et al	Obese	Diet	3,0	FM, PBF
125	The pathophysiology of the chronic cardiorenal syndrome: a magnetic resonance imaging study	European Radiology	2015	Breidhardt, T et al	heart failure patients	cardiac disease, renal disease	520	ECW/TBW

126	Age-related changes in resting energy expenditure in normal weight, overweight and obese men and women	Maturitas	2015	Siervo, M et al	Adults	body composition only	720	FFM, FM, PBF
127	Key Factors for Eating Disorders Among Male Adolescent Athletes	Slovenian Journal of Public Health	2015	Pustivšek, S et al	Children age under 18	Sports	230	FFM, SMM, FM, PBF
128	Effects of white rice containing enriched gamma-aminobutyric acid on blood pressure	Journal of Traditional and Complementary Medicine	2014	Nishimura, M et al	Healthy adults	Diet	720	PBF, BMI
129	Overnight fluid shifts in subjects with and without obstructive sleep apnea	J Thorac Dis	2014	Ding N et al	apnea	sleep apnea	720	segmental TBW
130	A study of abdominal ultrasound therapy combined with complex exercise for effective obesity management among shift work employees	Journal of Physical Therapy Science	2015	Jin-seop Kim et al	adults	obesity	720	FFM, FM, PBF, BMI
131	Effects of high-frequency current therapy on abdominal obesity in young women: a randomized controlled trial	Journal of Physical Therapy Science	2015	Jin-seop Kim, Duck-won Oh	Obese	obesity	520	PBF, WHR
132	The presentation of adrenarche is sexually dimorphic and modified by body adiposity.	J Clin Endocrinol Metab	2014	Mäntyselkä A et al	Children age under 18	child obese	720	
133	Individual Factors Affecting Preferences for Feedback Message Tactics in the Contexts of Physical Activity	J Health Commun	2014	Hirvonen N et al	Healthy adults	healthcare	720	
134	Effect of an Integrated Health Management Program Based on Successful Aging in Korean Women	Public Health Nurs	2014	Ahn O et al	Geriatric	healthcare	330	
135	Lifetime shift work exposure: association with anthropometry, body composition, blood pressure, glucose and heart rate variability	Occup Environ Med	2014	Bernardes Souza B et al	Adults	body composition (special group)	720	
136	Impact of readiness to change behavior on the effects of a multidisciplinary intervention in obese Brazilian children and adolescents	Appetite	2014	da Silva DF et al	Obese	child obese	520	

137	Frailty status can predict further lean body mass decline in older adults.	J Am Geriatr Soc	2014	Jung HW et al	Geriatric	rehabilitation	3,0	FFM, FM
138	The effect of monthly 50 000 IU or 100 000 IU vitamin D supplements on vitamin D status in premenopausal Middle Eastern women living in Auckland	European Journal of Clinical Nutrition	2014	Mazahery H et al	Adults	Diet	230	
139	Evaluation of body adiposity index as a predictor of aortic stiffness in multi-ethnic Asian population with type 2 diabetes	Diab Vasc Dis Res	2014	Moh MC et al	Diabetes patients	Diabetes	S20	
140	Stability of gut enterotypes in korean monozygotic twins and their association with biomarkers and diet.	Sci Rep	2014	Lim MY et al	Healthy adults	life style	3,0	
141	Effects of loading on maximal vertical jumps- selective effects of weight and inertia	J Electromyogr Kinesiol	2014	Leontijevic B et al	university students	healthcare	720	PBF
142	Randomized control trial to evaluate the effects of acute testosterone administration in men on muscle mass, strength, and physical function following ACL reconstructive surgery	BMC Surg	2014	Wu BW et al	ACL damaged patient	rehabilitation	520	FFM, PBF
143	Does increased glucose exposure lead to increased body fat and reduced lean body mass in anuric peritoneal dialysis patients	European Journal of Clinical Nutrition	2014	Fan S, Davenport A	Dialysis patient	Renal disease	720	ICW, FFM, FM
144	Predialysis NTproBNP predicts magnitude of extracellular volume overload in haemodialysis patients	American journal of nephrology	2014	Nongnuch A, Panorchan K, Davenport A	Dialysis patient	Renal disease	720	ECW/TBW
145	Synergistic effect of adjustments of elastic stockings to maintain reduction in leg volume after mechanical lymph drainage	Int J Vasc Med	2014	de Godoy JM et al	Lymphedema	Lymphedema	S10	ECW/TBW
146	The effect of a virtual reality exercise program on physical fitness, body composition, and fatigue in hemodialysis patients	J Phys Ther Sci	2014	Cho H, Sohng KY	Dialysis patient	Renal disease	S10	SMM, AMM, LMM, PBF

147	Circulating miR-21, miR-146a, and Fas ligand respond to postmenopausal estrogen-based hormone replacement therapy	Mech Ageing Dev	2014	Kangas R et al	Adults	body composition (special group)	720	FFM, PBF
148	The effect of power nordic walking on spine deformation and visual analog pain scale in elderly women with low back pain	Mech Ageing Dev	2014	Park HS et al	Geriatric	healthcare	720 3.0	FFM, FM
149	Association between ratio of measured extracellular volume to expected body fluid volume and renal outcomes in patients with chronic kidney disease: a retrospective single-center cohort study	BMC Nephrol	2014	Tai R et al	Renal disease patients	Renal disease	S20	ICW, ECW, ECW/TBW
150	The effects of hypobaric hypoxia in erythropoiesis, maximal oxygen uptake and energy cost of exercise under normoxia in elite biathletes	J Sports Sci Med	2014	Czuba M et al	Athletes	Sports	220	FFM, FM, PBF
151	Comparison of segmental multifrequency bioelectrical impedance analysis with DEXA for the assessment of body composition in a community-dwelling older population	Geriatr Gerontol Int	2014	Kim M et al	Geriatric	Validation	720	FFM, FM, SLM
152	Estimation of sarcopenia prevalence using various assessment tools	Exp.Gerontol	2014	L.Beaudart et al	Geriatric	sarcopenia	S10	FM
153	Rhesus monkey is a new model of secondary lymphedema in the upper limb	Int J Clin Exp Pathol	2014	Wu G et al	Monkeys	Lymphedema	3,0	ECF
154	Effects of aerobic exercise based upon heart rate at aerobic threshold in obese elderly subjects with type 2 diabetes	International Journal of Endocrinology	2014	Gian Pietro Emerenziani et al	Diabetes patients	Diabetes	720	PBF
155	Effectiveness of the smart care service for diabetes management	Healthc Inform Res	2014	Chung YS et al	Diabetes patients	Diabetes	IH-U070-B	body weight

156	Psychosocial, Physical, and Autonomic Correlates of Depression in Korean Adults: Results from a County-Based Depression Screening Study	Psychiatry Investigation	2014	Kim KW et al	Adults	mental problem	3,0	SLM, FM
157	Metabolic syndrome, sarcopenia and role of sex and age: cross-sectional analysis of kashiwa cohort study.	PLoS One	2014	Ishii S et al	Geriatric	sarcopenia	430	SMI
158	Association of cognitive impairment, depressive symptoms and sarcopenia among healthy older men in the veterans retirement community in southern Taiwan : a cross-sectional study.	Geriatr Gerontol Int	2014	Hsu YH et al	Geriatric	sarcopenia	220	SMM
159	Effects of combined linear and nonlinear periodic training on physical fitness and competition times in finswimmers.	Eur J Prev Cardiol	2014	Rostrup E et al	Swimmer	Sports	3,0	PBF, FFM
160	Cardiopulmonary fitness is a function of lean mass, not total body weight: The DR's EXTRA study.	Eur J Prev Cardiol	2014	Krachler B et al	Geriatric	cardiopulmonary disease	720	FFM
161	Hereditary Lymphedema, Characteristics, and Variations in 17 Adult Patients with Lymphedema Cholestasis Syndrome 1/Aagenaes Syndrome	Lymphat Res Biol	2014	Drivdal M et al	Lymphedema	Lymphedema	720	ICW, ECW, ECW/TBW

162	Changing body structure components and motor skills in military high school students within one year	Vojnosanitetski preglad	2014	Glavač, B et al	military high school student	body composition (special group)	720	SMM, FM, PBF, VFA
163	Comparison of total and segmental body composition using DXA and multi-frequency bioimpedance in collegiate female athletes.	J Strength Cond Res	2014	Esco MR et al		Validation	720	
164	The role of bioimpedance and biomarkers in helping to aid clinical decision-making of volume assessments in dialysis patients.	Kidney International	2014	Davies SJ, Davenport A	Dialysis patient	Renal disease		ECW/TBW
165	Body composition measurements using bioimpedance analysis in peritoneal dialysis patients are affected by the presence of dialysate.	Nephrology (Carlton)	2014	Kang SH et al	Dialysis patient	Renal disease	720	TBW, ECW, ICW, ECW/TBW
166	Increased postdialysis systolic blood pressure is associated with extracellular overhydration in hemodialysis outpatients.	Kidney International	2014	Davenport A et al	Dialysis patient	Renal disease	720	ECW/TBW
167	The beneficial effects of weight reduction in overweight patients with chronic proteinuric immunoglobulin a nephropathy: a randomized controlled trial.	J Ren Nutr	2014	Kittiskulnam P et al	IgA ²² 22	Renal disease	S20	BFM
168	Impact of quality as well as quantity of skeletal muscle on outcomes after liver transplantation.	Liver Transpl	2014	Hamaguchi Y et al	Liver transplant patients	Liver disease	222	SMM

169	Fat mass gain predicts estimated GFR decline in a relatively healthy Korean population.	Nephron Clin Pract	2014	Hyun YY et al	Healthy adults	Renal disease	3,0	BFM
170	The effect of sacroiliac joint mobilization on pelvic deformation and the static balance ability of female university students with si joint dysfunction.	J Phys Ther Sci	2014	Son JH et al	Adults	rehabilitation	720	BFM, FFM
171	Assessment of gender differences in body composition and physical fitness scoring in Saudi adults by bioelectrical impedance analysis.	Acta Clin Croat	2013	Al Dokhi L et a	Obese	body composition only	3,0	PFM
172	The effects of empowered motivation on exercise adherence and physical fitness in college women.	J Exerc Rehabil	2014	Kim SJ et al	university students	healthcare	520	FM, SMM
173	Assessment of nutrition, supplementation and body composition parameters on the example of professional volleyball players.	Rocz Panstw Zakl Hig	2014	Zapolska J et a	Athletes	Sports	220	SMM, %FM
174	The effect of low extremity plyometric training on back muscle power of high school throwing event athletes.	J Phys Ther Sci	2014	Park Gi Duck et al	Children age under 18	Sports	4,0	BFM, SMM
175	Validation Study of Multi-Frequency Bioelectrical Impedance with Dual-Energy X-ray Absorptiometry Among Obese Patients	Obes Surg	2014	Faria SL et al	Obese	Validation	720	BFM, %FM, FFM

176	Comparison of multi- and single-frequency bioelectrical impedance analysis with dual-energy X-ray absorptiometry for assessment of body composition in post-menopausal women: effects of body mass index and accelerometer-determined physical activity.	J Hum Nutr Diet	2014	Gába A et al		Validation	720	
177	Assessment of Fluid and Nutritional Status Using Multifrequency Bioelectrical Impedance Analysis in Peritoneal Dialysis Patients.	Blood Purif	2014	Hyun SH et al	Dialysis patient	Renal disease	4,0	ECF/TBW, BCM, LBM, FFM
178	Relationship between changes in body fat and a decline of renal function in the elderly	PLoS One	2014	Se Won Oh et al	Geriatric	Renal disease	720	PBF, FFM
179	Changes in Body Composition Secondary to Neoadjuvant Chemotherapy for Advanced Esophageal Cancer are Related to the Occurrence of Postoperative Complications After Esophagectomy	Ann Surg Oncol	2014	Satoshi Ida et al	Cancer patient	cancer	720	SM, BCM, FFM, Protein
180	Arterial stiffness, lifestyle intervention and a low-calorie diet in morbidly obese patients-a nonrandomized clinical trial	Obesity	2013	Nordstrand N et al	Obese	obesity	720	SM, FM
181	The importance of visceral fat mass in obese pregnant women and relation with pregnancy outcomes.	Obstetric Medicine	2014	Jyoti Balalni et al	Pregnant women	obesity	720	PBF, VFA

182	Association between skeletal muscle mass and radial augmentation index in an elderly Korean population.	Archives of gerontology and geriatrics	2014	Seung Won lee et al	Geriatric	ardio vascular diseas	370	arm muscle mass, leg muscle mass
183	Limb/trunk lean mass ratio as a risk factor for mortality in peritoneal dialysis patients.	J Ren Nutr	2013	Seok Hui Kang, et al	Dialysis patient	Renal disease	720	ECW/TBW
184	Positive association of vigorous and moderate physical activity volumes with skeletal muscle mass but not bone density or metabolism markers in hemodialysis patients	Int Urol Nephrol	2014	Yoshiyuki Morishita et al	Dialysis patient	Renal disease	S10	SLM
185	The level of neighborhood walkability in a place of residence and its effect on body composition in obese and overweight women	Cent Eur J Public Health	2013	Sofková T et al	Obese	obesity	720	
186	Is N-terminal probrain-type natriuretic peptide a clinically useful biomarker of volume overload in peritoneal dialysis patients	Nephrol Dial Transplant	2012	Davenport A et al	Dialysis patient	Renal disease	720	ECW/TBW
187	Effect of bariatric surgery on both functional and structural measures of premature atherosclerosis	European Heart Journal	2009	Sturm, W et al		bariatric	3,0	
188	Skeletal muscle loss is negatively associated with single pool kt/v and dialysis duration in hemodialysis patients	Therapeutic Apheresis and Dialysis	2014	Yoshiyuki Morishita et al	Dialysis patient	Renal disease	S10	SMI
189	Effects of Togu-exercise on lumbar back strength of women with chronic low back pain	J. Phys. Ther. Sci	2014	Seo DH et al		rehabilitation	720	

190	Biliopancreatic diversion with duodenal switch improves insulin sensitivity and secretion through caloric restriction	Obesity	2014			bariatric	520	
191	Cross-sectional associations of food consumption with plasma fatty acid composition and estimated desaturase activities in Finnish children	Lipids	2014	Venäläinen T et al	Children age under 18	body composition (special group)	720	??
192	Plasma orexin-A and ghrelin levels in patients with chronic obstructive pulmonary disease: Interaction with nutritional status and body composition		2014			COPD	720	
193	Proper exercise decreases plasma carcinoembryonic antigen levels with the improvement of body condition in elderly women	Tohoku J. Exp. Med.	2014	I.G. Ko et al	Geriatric	cancer	320 BSM 330	BW, height
194	Effects of circuit exercise and Tai Chi on body composition in middle-aged and older women	Geriatrics Gerontol Int	2014	Hsu WH et al	Geriatric	healthcare	720	FFM, BMR
195	Sex differences in the relation of body composition to cardiovascular parameters and functions in Korean adolescents: A school-based study	Obesity Facts	2014			Cardio vascular disease	720	
196	Changes in foot volume, body composition, and hydration status in male and female 24-hour ultra-mountain bikers	Journal of the international society of sports nutrition	2014			Sports	720	
197	Weight reduction in obese correlates with low morning cortisol increase	Journal of exercise physiology	2014	Brynjar Foss et al		obesity	720	
198	Correlation between postprandial bile acids and body fat mass in healthy normal-weight subjects	Clinical Biochemistry	2014	Tatsuyu Suzuki et al	Healthy adults	Gastrointestinal disease	720	FM
199	Impact of disease activity on resting energy expenditure and body composition in adult Crohn's disease: A prospective longitudinal assessment	JPEN J Parenter Enteral Nutr.	2014	Gong J et al	Chrone disease	Gastrointestinal disease	3,0	

200	A 12-week rehabilitation program improves body composition, pain sensation, and internal/external torques of baseball pitchers with shoulder impingement symptom	Journal of Exercise Rehabilitation	2014	Cha JY et al	Athletes	rehabilitation	320	SMM, FM
201	Body composition and muscle strength predictors of jumping performance: differences between elite female volleyball competitors and non-trained individuals	Journal of Strength and Conditioning Research	2014	Copić, N et al	Athletes	Sports	720	PBF, %SM
202	A policy driven multifaceted approach for early childhood physical fitness promotion: impacts on body composition and physical fitness in young Chinese children	BMC Pediatrics	2014	Zhou Z et al	Children age under 18	healthcare	J20	SLM, FM, BFM
203	Impact of body composition on estimated glomerular filtration rate in relatively healthy adults in Taiwan	European Journal of Clinical Nutrition	2014	Tsai YW et al	Healthy adults	Renal disease	3,0	
204	Comparison of two bioelectrical impedance devices and dual energy x ray absorptiometry to evaluate body composition in heart failure	Journal of Human Nutrition and Dietetics	2014	Alves FD et al		Validation	230	
205	A six week motor driven functional electronic stimulation rowing program improves muscle strength and body composition in people with spinal cord injury : a pilot study	Spinal Cord	2014	Kim D et al	Adults	rehabilitation	S20	PBF, FFM
206	Validity and reliability of bioelectrical impedance analysis and skinfold thickness in predicting body fat in military	Mil Med	2014	Aandstad A et al	Adults	Validation	720	PBF
207	Time course of supine and standing shifts in total body, intracellular and extracellular water for a sample of healthy adults	European Journal of Clinical Nutrition	2014	Gibson AL et al		BIA [2] [2]		
208	Uppsala longitudinal study of childhood obesity: Protocol Description	Pediatrics	2014	Forsslund A et al		child obese	S20	
209	Beyond weight reduction: Improvements in quality of life after an intensive lifestyle intervention in subjects with severe	Ann Med	2014	Danielsen KK et al		obesity	720	

210	The correlation of prenatal zine concentration and deficiency with anthropometric factors	J Family Reprod Health	2014	Hanachi P et al	Pregnant women	body composition (special group)		
211	Cardiorespiratory responses induced by various military field tasks				Adults	cardiopulmonary disease		
212	Which environmental indicator is better able to predict the effects of heat stress on construction workers?		2014	Wen Yi et al	Adults	body composition (special group)		
213	Chest lymphedema after breast cancer treatment	Journal of Phebology and Lymphology	2012			Lymphedema	S10	
214	Age-dependent changes in skeletal muscle mass and visceral fat area in Japanese adults from 40 to 79 years-of-age	Geriatr Gerontol Int	2014	Minoru Yamada et al		sarcopenia	720	
215	Antiobesity effect of Gynostemma pentaphyllum extract (Actiponin): A randomized, double-blind, placebo-controlled trial	Obesity	2014	Soo-Hyun Park et al		Diet	3,0	
216	Arterial stiffness is associated with low skeletal muscle mass in Japanese community-dwelling older adults	Geriatr Gerontol Int	2014	Ricardo Aurelio Carvalho	Geriatric	ardio vascular diseas	430	SMM
217	Beneficial effects of Korean traditional diets in hypertensive and type 2 diabetic paitents	Journal of medicinal food	2014	Su-Jin Jung et al		Cardio vascular disease, diabetes	3,0	
218	Body composition in 18- to 88- year-old adults_Comparison of multifrequency bioimpedance and dual energy X-ray absorptiometry	Obesity	2014	Elina Sillanpaa et al		Validation	720	
219	Cortisol reactivity, delay discounting and percent body fat in Chinese urban young adolescents	Appetite	2014	Qingyun Lu et al	Children age under 18	obesity	3,0	PBF
220	Development of a simple screening test for sarcopenia in older adults	Geriatr Gerontol Int	2014	Shinya Ishii et al	Geriatric	sarcopenia	430	SMI
221	Differential effects of laparoscopic sleeve gastrectomy and laparoscopic gastric bypass on appetite, circulating acylghrelin, peptide YY3-36 and active GLP-1 levels in non diabetic humans	Obes Surg	2014	Ahmed Yousseif et al		bariatric	720	

222	Doenjang, a Korean fermented soy food, exerts antiobesity and antioxidative activities in overweight subjects with the PPAR- γ C1431T polymorphism: 12-week, double-blind randomized clinical trial	J Med Food	2014	Youn-Soo Cha et al	Over weight	Diet	3,0	
223	Effects of education in an obesity control program for obese homemakers on body fat and flexibility in Korea	Nursing and Health Sciences	2013	Min-Sun Song et al	Obese	healthcare	J05	BF
224	Extracellular volume expansion, measured by multifrequency bioimpedance, does not help preserve residual renal function in peritoneal dialysis patients	International Society of Nephrology	2013	Keran McCafferty et al	Dialysis patient	Renal disease	720	
225	Fitness and physical activity in youth with type 1 diabetes mellitus in good of poor glycemic control	Pediatric Diabetes	2014	Nguyen T et al	Children age under 18	Diabetes	520	BF, FFM
226	Green tea consumption after intense taekwondo training enhances salivary defense factors and antibacterial capacity	PLOS one	2014	Shiuan-Pey Lin et al		Diet	3,0	
227	Growing research on sarcopenia in Asia	Geriatr Gerontol Int	2014	Review		sarcopenia		
228	High versus moderate intensity running exercise to impact cardiometabolic risk factors. The randomized controlled RUSH-study	Biomed Res Int	2014	Wolfgang Kemmler et al	Adults	healthcare	230	%FM
229	Hypocaloric high-protein diet improves clinical and biochemical markers in patients with nonalcoholic fatty liver disease(NAFLD)	Nutr Hosp.	2014	Sebastiao Mauro Bexerra	Liver cirrhosis patients	Liver disease	BSM370 720	FM, FFM, BMI, μ
230	Investigating the circulatory-respiratory response of elderly people during Tai Chi Yuttari-exercise	Health	2013	Takuo Nomura et al		healthcare	S10	
231	Motor proficiency and physical fitness in adolescent males with and without autism spectrum disorders	Autism	2014	chien-Yu Pan	Children age under 18	mental problem	720	
232	Perioperative nutritional therapy in liver transplantation	Surg Today	2014	Ahmed Hammand et al		Liver disease	720	
233	Preserved function and reduced angiogenesis potential of the quadriceps in patients with mild COPD	Respiratory Research	2014	Gagnon et al	COPD	COPD	520	
234	Prevalence and outcomes of frailty in Korean elderly population: Comparisons of a multidimensional frailty index with two phenotype models	PLOS one	2014	Hee Won Jun et al	Geriatric	rehabilitation	3,0	
235	The effect of 8-week core exercises on some hematological parameters in sedentary females	Turkish Journal of Scientific Research	2014	Sebnem Sarvan et al	Sedentary women	healthcare	720	

236	The SHED-IT weight loss maintenance trial protocol: A randomised controlled trial of a weight loss maintenance program for overweight and obese men	Contemporary Clinical Trials	2014	Myles D. Young et al		obesity	720	
237	Utility kinanthropometry and bioimpedance to guide body composition and habits of the players		2014			Sports	720	
238	Ventricular structure, function, and focal fibrosis in anabolic steroid users: a CMR study	Eur J Appl Physiol	2014	Peter J. Angell et al		Cardio vascular disease	230	
239	Yeast hydrolysate can reduce body weight and abdominal fat accumulation in obese adults	Nutrition	2014	Eun Young Jung et al	Obese	Diet	3,0	
240	Retrospective analysis of safety and efficacy of insulin to liraglutide switch in Japanese type 2 diabetes: A caution against inappropriate use in patients with reduced β -cell function	J Diabetes Invest	2013	Usui R et al	Diabetes patients	Diabetes	S20	PBF, VFA
241	Can non-invasive measurements aid clinical assessment of volume in patients with cirrhosis?	World J Hepatol	2013	Davenport A et al	Liver cirrhosis patients	Liver disease	720	ECW/TBW
242	Positive effect of mushrooms substituted for meat on body weight, body composition, and health parameters. A 1-year randomized clinical trial	Appetite	2013	Kavita H. Poddar et al		Diet	777	PBF
243	Proteinuria as a risk factor for decline in residual renal function in non diabetic peritoneal dialysis patients	Kidney Blood Press Res	2013	Seok Hui Kang et al	Dialysis patient	Renal disease	4,0	edema index
244	Body adiposity index and other indexes of body composition in the SAPHIR study: Association with cardiovascular risk factors	Obesity	2013	Andreas Melmer et al	Geriatric	Cardio vascular disease	3,0	FM

245	Plasma heat shock protein 72 as a biomarker of sarcopenia in elderly people	Cell Stress and Chaperones	2012	Kishiko Ogawa et al	Geriatric	sarcopenia	720	SMM
246	Assessment of endothelial dysfunction by flow mediated dilatation in men on long term androgen deprivation therapy for prostate cancer	Exp Physiol	2013	Stephen E. Gilbert et al	Cancer patient	cancer	720	FM, %FM, VFA, SMM
247	Prevalence of Sarcopenia in community-dwelling Japanese older adults	JAMDA	2013	Minoru Yamada RPT et al		sarcopenia	430	
248	Relationship between circulating irisin, renal function and body composition in type 2 diabetes	Journal of Diabetes Its Complications	2013	Jian-Jun Liu et al	Diabetes patients	Diabetes	S20	FM, %FM, FFM, %FFM
249	The role of skeletal muscle in development of nonalcoholic fatty liver disease.	Diabetes Metab J	2013	Jun Sung Moon et al	Liver disease patients	Liver disease	720	SMM, VFA
250	Mobilization of fluids in large volumetric reductions during intensive treatment of leg lymphedema.	Int Angiol.	2013	Pereira De Godoy JM et al		Lymphedema	S10	
251	Body fat is associated with reduced aortic stiffness until middle age	Hypertension	2013	B Corden et al	Healthy adults	cardio vascular disease	230	PBF
252	Muscle strength rather than muscle mass is associated with standing balance in elderly outpatients	American Medical Directors Association	2013	Astrid Y. Bijlsma et al	Geriatric	sarcopenia	720	Appendicular lean mass
253	Differences in prescribed Kt/V and delivered haemodialysis dose--why obesity makes a difference to survival for haemodialysis patients when using a 'one size fits all' Kt/V target.	Nephrol Dial Transplant (3.371)	2013	Davenport A	Dialysis patient	Renal disease	720	
254	Dialysis: Bioimpedance spectroscopy for assessment of fluid overload	Nature Reviews Nephrology (7.092)	2013	Davenport A et al		Renal disease		
255	Effectiveness of a structured physical rehabilitation program for Chinese population with depressive disorders	HA Convention	2013	Lau MYP et al	Depression	mental problem	R20	

256	A comparison of three multidimensional indices of COPD severity as predictors of future exacerbations	International Journal of COPD	2013	Takashi Motegi et al	COPD	COPD	3,2	FFM, FFMI
257	Anaerobic capacity of amateur mountain bikers during the first half of the competition season	Biol. Sport	2013	Zarzeczny R. et al	Athletes	Sports	220	LBM, fat mass
258	Cerebral blood flow and cerebrovascular reactivity at rest and during sub-maximal exercise: Effect of age and 12-week exercise training	AGE	2013	Carissa J. Murrell et al		healthcare	230	
259	Effects of a comprehensive intervention program, including hot bathing, on physical function in community-dwelling healthy older adults: a pilot randomized controlled trial	Aging Clinical and Experimental Research	2013	Ryota Sakurai et al	Geriatric	healthcare	720	
260	Effects of a workplace multiple cardiovascular disease risks reduction program	Asian Nursing Research	2013	Jing-Juin Huang et al	Healthy adults	cardiovascular diseases	3,0	PBF, MW, WHR
261	The association of metabolic syndrome and serum r-Glutamyl transpeptidase: A 4-year cohort study of 3,698 Korean male workers	Clin Nutr Res	2013	Jung Hyun Lee et al	middle aged adults	metabolic syndrome	720	WC
262	Evaluation of cryolipolysis for subcutaneous fat reduction	The American Journal of Cosmetic Surgery	2013	Brett S. Kotlus et al		obesity	320	
263	Reduced serum total osteocalcin is associated with central obesity in Korean children	Obesity Research & Clinical Practice	2013	SangHui Chu et al	Children age under 18	child obese	320	body fat, muscle mass
264	Analysis of the indoor horse riding exercise equipment on the young people	International Journal of Precision Engineering and Manufacturing	2013	Tea-Kyu Kwon et al	Adults	healthcare	2,0	rate of body fat, amount of muscle
265	The impact of nutritional supplementation on quality of life in patients infected with hepatitis C virus	Journal of Human Nutrition and Dietetics	2013	R.S.S.B.Boulhosa et al	Liver disease patients	Liver disease	520	body fat, lean mass

266	Correlation between vitamin D and cardiovascular disease predictors in overweight and obese Koreans	J. Clin. Biochem. Nutr	2013	Cheongmin Sohn et al	Healthy adults	cardio vascular diseases	3,0	body fat, body fat percentage
267	Correlation between the changes in heat-induced digital infrared thermography imaging and body components healthy volunteers	Toxicol. Environ. Health. Sci.	2013	Junghwan Kim et al	Adults	healthcare	720	impedance, body water
268	Effect of Lactobacillus gasseri BNR17 on overweight and obese adult_A randomized, double_blind clinical trial	Korean J Fam Med	2013	Seung-Pil Jung et al	Obese	Diet	3,0	body fat, muscle mass
269	Effects of exercise intervention on vascular endothelium functions of patients with impaired glucose tolerance during prediabetes mellitus	Experimental and therapeutic medicine	2013	Yiping Liu et al	Diabetes patients	Diabetes	3,0	body fat percent, WC, WHR
270	Nordic walking decreased circulating chemerin and leptin concentrations in middle-aged men with impaired glucose regulation		2013		Diabetes patients	Diabetes		
271	Grains of paradise (Aframomum melegueta) extract activates brown adipose tissue and increase whole-body energy expenditure in men	British Journal of Nutrition	2013	J Sugita et al	Healthy adults	Diet	320	FM, FFM
272	A pilot clinical trial on L-Carnitine supplementation in combination with motivation training: effects on weight management in healthy volunteers	Food and Nutrition Sciences	2013	Satoshi Odo et al	Over weight	Diet	3,2	body fat mass, muscle mass
273	Association between metabolic syndrome and gallbladder polyps in healthy Korean adults	Endocrinology, nutrition & metabolism, J Korean Med Sci.	2013	Kyung Won Shim et al	Healthy adults	metabolic syndrome	720	body fat, muscle mass
274	Evaluation of adiposity-related biomarkers as metabolic syndrome indicators	Clin Nutr Res	2013	Yun Jung Bae et al		metabolic syndrome	720	
275	Comparison of Metabolic Characteristics of Metabolically Healthy but Obese (MHO) Middle-Aged Men According to Different Criteria	Korean J Fam Med	2013	Ho Kwon Yoo et al		obesity	720	

276	Reliability of anthropometric parameters in the prediction of the visceral fat area among adult women	Anthropologischer Anzeiger	2013	Pinter et al		Validation	230	
277	Dietary taurine and nutrient intake and dietary quality by alcohol consumption level in Korean male college students	Advances in Experimental Medicine and Biology	2013	Jeong Soon You et al	university students	body composition only		
278	The acute effects of aerobic and resistance exercise on plasma acylated ghrelin and hunger in overweight men	World Applied Sciences Journal	2013	Mehran Ghahramani et al		obesity	3,0	
279	Low intensity eccentric contractions attenuate muscle damage induced by subsequent maximal eccentric exercise of the knee extensors in the elderly	Eur J Appl Physiol	2013	Trevor C. Chen et al	Geriatric	rehabilitation	3,0	
280	Central adiposity and mortality after first ever acute ischemic stroke	European Neurology	2013	Chiquete E. et al		Brain blood vessel	3,0	
281	Low fat intake is associated with pathological manifestations and poor recovery in patients with hepatocellular carcinoma	Nutrition Journal	2013	Kazuki Yamada et al	HCC 研究	cancer	InBody	研究
282	Exercise training induced changes in inflammatory mediators and heat shock proteins in young tennis players	Journal of Sports Science and Medicine	2013	Ewa Ziemann et al	Athletes	Sports	720	fat mass, fat free mass, skeletal muscle mass
283	The effect of exercise training program on indexed of adiposity in pre and post menopausal obese women	Life Science Journal	2013	Reza Andam et al	Obese	obesity	3,0	PBF, BFM, WC, WHR, BMR
284	Ambulatory arterial stiffness index in children after kidney transplantation	Pediatr Transplantation	2013	Degi A et al		Renal disease	720	
285	Methane and hydrogen positivity on breath test is associated with greater body mass index and body fat	JCEM	2013	R. Mathur et al		obesity		
286	Does body fat mass define survival in patients starting peritoneal dialysis?	Peritoneal Dialysis	2013	Soo Jeong Choi et al		Renal disease		
287	Different dosing regimens for propofol induction in obese patients	Acta Anaesthesiologica Taiwanica	2013	Fai Lam et al	Obese	obesity	230	
288	Psycho physiological response of soldiers in urban combat	anales de psicologia	2013	Vicente J. Clemente-Suarez et al	Adults	body composition (special group)	720	
289	Dietary isoflavone intake, urinary isoflavone level, and their relationship with metabolic syndrome diagnostic components in Korean postmenopausal women	Clin Nutr Res	2013	Mi Hyun Kim et al		metabolic syndrome	3,0	

290	Effect of nutrition and atherogenic index on the occurrence and intensity of insulin resistance	Pol Arch Med Wewn.	2013	Lucyna Ostrowska et al		Diabetes	220	
291	Whole-body cryostimulation as an effective method of reducing low-grade inflammation in obese men	J Physiol Sci	2013	Ewa Ziemann et al	Obese	obesity	720	
292	Relationship between milk and calcium intake and lipid metabolism in female patients with type 2 diabetes	Yonsei Medical Journal	2013	JaeHee Kim et al	Diabetes patients	Diabetes	4,0	
293	Effect of milk and milk products consumption on physical growth and bone mineral density in Korean adolescents	Nutrition Research and Practice	2013	Sun Hye Kim et al	Children age under 18	Diet	430	
294	Determinants of physical attributes in UiTM rugby athletes	BEIAC	2013	Rahmat Adnan et al	Athletes	Sports	230	
295	Estimating exercise capacity from walking tests in elderly individuals with stable coronary artery disease	Disability and Rehabilitation	2013	Sandra Mandic et al	Geriatric	cardio vascular diseases	230	
296	The effects of inpatient exercise therapy on the length of hospital stay in stages I_II colon cancer patients_randomized controlled trial	Int J Colorectal Dis	2013	Ki-Yong Ahn et al		cancer	230	
297	Clinical usefulness of non protein respiratory quotient measurement in non alcoholic fatty liver disease	Hepatology research	2013	Keiko Korenaga et al		Liver disease	720	
298	Assessment of preoperative exercise capacity in hepatocellular carcinoma patients with chronic liver injury undergoing hepatectomy	BMC Gastroenterology	2013	Masake Kaibori et al	Liver cancer patients	cancer	720	ICW, BCM
299	Waist circumference, not body mass index, is associated with renal function decline in Korean population: Hallym Aging Study	PLoS ONE	2013	Hyunju Oh et al	Adults	Renal disease	3,0	
300	Effect of combined thermal and electrical muscle stimulation on cardiorespiratory fitness and adipose tissue in obese individuals	European Journal of Preventive Cardiology	2013	Espen Rostrup et al	Obese	obesity	720	
301	Implication of high body fat percentage on cardiometabolic risk in middle aged, healthy, normal-weight adults	Obesity	2013	Ji Young Kim et al		Cardio vascular diseases	3,0	
302	Body fat equations and electrical bioimpedance values in prediction of cardiovascular risk factors in eutrophic and overweight adolescents	International Journal of Endocrinology	2013	Franciane Rocha Faria et al	Children age under 18	cardio vascular diseases	230	

303	The effect of a meal on measures of impedance and percent body fat estimated using contact-electrode bioelectrical impedance technology	European Journal of Clinical Nutrition	2013	C B Dixon et al	Adults	BIA ₂₀₀	520	PBF
304	Long-term effects of pronounced weight loss after bariatric surgery on functional and structural markers of atherosclerosis	Obesity	2013	A. Tschoner et al		bariatric	3,0	
305	The utility of fat mass index vs. body mass index and percentage of body fat in the screening of metabolic syndrome	BMC Public Health	2013	Pengju Liu et al		metabolic syndrome		
306	Acute hormonal and force responses to combined strength and endurance loading in men and women: the order effect	PLoS ONE	2013	Ritva S. Taipale et al		Sports		
307	Association between myocardial triglyceride content and cardiac function in healthy subjects and endurance athletes	PLoS ONE	2013	Eiryu Si et al		Sports	720	
308	Causal inference of the effect of adiposity on bone mineral density in adults	Clinical Endocrinology	2013	Daruneewan Warodomwicit et al		obesity	720	
309	Beneficial effects of an 8-week, very low carbohydrate diet intervention on obese subjects	Evidence-based complementary and alternative medicine	2013	Yunjuan Gu et al		obesity		
310	Body fat distribution in women with polycystic ovary syndrome	Rom J Diabetes Nutr Metab Dis	2013	Cristian-Ioan Iuhas et al		gynecology		
311	Obesity is a risk factor for thyroid cancer in a large, ultrasonographically screened population	Eur J Endocrinol	2013	JM Han et al		cancer		
312	Physiological and physical profiles and on ice performance approach to predict talent in male youth ice hockey players during draft to hockey team		2013	R Roczniok et al		Sports		
313	Alteration in basal redox state of young male soccer players after a six-month training programme	Acta Physiol Hung	2013	Zivkovic V et al		Sports		
314	A link between FTO, ghrelin, and impaired brain food cue responsivity	The Journal of Clinical Investigation	2013	Efthimia Karra et al		Diet		
315	Resting energy expenditure in a controlled group of young Arab females_Correlations with body composition and agreement with prediction equations	Food and Nutrition Sciences	2013	Abdelmonem Hassan et al		body composition only		
316	The effect of low-GDP solution on ultrafiltration and solute transport in continuous ambulatory peritoneal dialysis patients	Peritoneal Dialysis	2013	Kyu-hyang Cho et al		Renal disease		

317	Kochujang, fermented soybean_based red pepper paste, decreases visceral fat and improves blood lipid profiles in overweight adults	Nutrition & Metabolism	2013	Youn-Soo Cha et al		Diet	3,0	
318	Dietary glycemic index is associated with less favorable anthropometric and metabolic profiles in polycystic ovary syndrome women with different phenotypes		2013			gynecology		
319	The effect of orlistat on body weight in obese Czech adults					obesity		
320	Descriptive profile of body structure of top greco roman style wrestlers defined with method of multichannel bioelectric impedance		2012	Goran Kasum et al		Sports		
321	Association between thyroid hormones and body fat in euthyroid subjects		2013	Jiajun Zhao & Haiqing Zhang		Endocrinology		body fat
322	Effects of a 12-week home-based exercise program on the level of physical activity, insulin, and cytokines in colorectal cancer survivors: a pilot study	Support Care Cancer	2013	Dong Hoon Lee et al		cancer		
323	Effects of a 12-month multicomponent exercise program on the body composition of postmenopausal women_the shape up during menopause program	Climacteric	2014	Aragão FR et al	Menopause	healthcare	720	SMM, FM, FFM, VFA, SLM, basal metabolic rate
324	Comparability and utility of body composition measurement vs anthropometric measurement for assessing obesity related health risks in Korean men	International Journal of clinical practice	2013			Validation		
325	Validity of two commercial grade bioelectrical impedance analyzers for measurement of body fat percentage	Journal of Exercise Physiology	2013	Brett A. Dolezal et al		Validation	R20	
326	Subcutaneous fat of extremities independent of abdominal fat does not promote insulin resistance and cardiovascular risk in Japanese type 2 diabetic patients	Diabetol Int	2013	Yuji Tajiri et al	Diabetes patients	Diabetes	720	fat in each region
327	Effect of long-term resistance exercise on body composition, blood lipid factors, and vascular compliance in the hypertensive elderly men	Journal of Exercise Rehabilitation	2013	Hyun-sub Kim et al	High blood pressure	ardio vascular diseas	4,0	PBF, LBM

328	Combined aerobic and resistance exercise is effective for achieving weight loss and reducing cardiovascular risk factors without deteriorating bone health in obese young adults	Annals of Pediatric Endocrinology & Metabolism	2013	Jung Sub Lim et al	university students	cardio vascular disease	2,0	FFM, FM, PBF
329	Diagnostic criteria for sarcopenia related differently to insulin resistance	American Aging Association	2013	A. Y. Bijlsma et al	Adults	sarcopenia	720	segmental lean mass
330	Physical inactivity and insufficient dietary intake are associated with the frequency of sarcopenia in patients with compensated viral liver cirrhosis	Hepatology research	2013	Fumikazu Hayashi et al	Liver cirrhosis patients	sarcopenia,liver disease	430	SMM, BF, BFP
331	Evaluation and prognosis of sarcopenia using impedance analysis in patients with liver cirrhosis					sarcopenia,liver disease		
332	Change in body composition in accordance with residual renal function in patients on peritoneal dialysis	Journal of Renal Nutrition	2013	Seok Hui Kang et al	Dialysis patient	Renal disease	720	edema index
333	Changes in body composition, cardiovascular disease risk factors, and eating behavior after an intensive lifestyle intervention with high volume of physical activity in severely obese subjects_a prospective clinical controlled trial	Journal of Obesity	2013	Kjersti Karoline Danielsen et al	Obese	obesity	720	FM, FFM, SMM, VFA
334	A randomised study on the effects of fish protein supplement on glucose tolerance, lipids and body composition in overweight adults	British Journal of Nutrition	2013	Linn A. Vikoren et al	Adults	Diet	720	Fat%, Muscle%
335	Relationship among serum taurine, serum adipokines, and body composition during 8 week human body weight control program		2013			healthcare		
336	Effects of ziprasidone and olanzapine on body composition and metabolic parameters_an open label comparative pilot study	Behavioral and brain functions	2013	Subin Park et al	Adults	Medication	720	fat mass, fat free soft tissue mass, muscle mass

337	Effect of chiropractic and lumbar exercise program on lumbar muscle strength and Cobb's angle in patients with scoliosis for u-Healthcare	Journal on Wireless Communications and Networking	2013	Minwoo Cheon	Children age under 18	rehabilitation	330	PBF
338	Prior supplementation with long chain omega-3 polyunsaturated fatty acids promotes weight loss in obese adults: a double-blinded randomised controlled trial	Food & Function	2013	Manohar L. Garg	Obese	Diet	230	FM, FFM
339	Cardiopulmonary Fitness Is Independently Associated with Insulin Resistance in Non-Diabetes Mellitus Patients of a University Hospital in Korea	Korean Journal of Family medicine	2013	Jee-Yon Lee	Adults	body composition only	330	PBF
340	Effect of Ala54Thr polymorphism of FABP2 on anthropometric and biochemical variables in response to a moderate-fat diet	Nutrition	2013	Erika Martinez-Lopez	Obese	obesity	3,0	PBF
341	Gamified physical activation of young men – a Multidisciplinary Population-Based Randomized Controlled Trial (MOPO study)	BMC Public Health	2013			healthcare		FM, FFM, PBF
342	Cholecystokinin Revisited: CCK and the Hunger Trap in Anorexia Nervosa	PLoS ONE	2013	Ulrich Cuntz	Anorexia	mental problem	520	PBF, FM, LBM
343	Effect of dehydroepiandrosterone administration on recovery from mix-type exercise training-induced muscle damage	Eur J Appl Physiol	2013	Yi-Hung Liao	university students	rehabilitation	720	FM, PBF
344	Neuromuscular adaptations during combined strength and endurance training in endurance runners: maximal versus explosive strength training or a mix of both	Eur J Appl Physiol	2013	R. S. Taipale	Adults	Sports	720	BM, PBF
345	Sarcopenia: Test it, even in the absence of complains	European Geriatric Medicine	2013	H. Esperto	Geriatric	sarcopenia	720	SMMI, FM
346	A Comparison of Cosmed Metabolic Systems for the Determination of Resting Metabolic Rate	Research in Sports Medicine	2013	Dimitria Vandarakis	Adults	metabolic syndrome	520	PBF, FM, LBM, Segmental lean mass, ICW, ECW
347	Body fat percentage as a marker of new-onset diabetes mellitus after kidney transplantation	Transplantation	2013	K. Tokodai et al	Renal transplant patient	Renal disease	3,0	PBF

348	The relationship of body composition and coronary artery calcification in apparently healthy Korean adults	Endocrinology and Metabolism	2013	Jung-Hee Yu et al	Adults	Cardiovascular diseases	3,0	lean mass, fat mass, percent fat mass, WHR
349	Extracellular fluid adjusted for body size is contracted in hypertension	Hypertension Research	2013	Hong Seog Seo et al		Cardiovascular diseases	3,0	
350	Models for estimating the biological age of five organs using clinical biomarkers that are commonly measured in clinical practice settings	Maturitas	2013	Chul-Young Bae et al	Adults	body composition only	InBody	lean body mass, body fat
351	The influence of body weight on the pulmonary oxygen uptake kinetics in pre-pubertal children during moderate- and heavy intensity treadmill exercise	Eur J Appl Physiol	2013	Danielle Lambrick et al	Children age under 18	body composition only	230	fat free mass, body fat percentage
352	The association between measurement sites of visceral adipose tissue and cardiovascular risk factors after caloric restriction in obese Korean women	Nutrition Research and Practice	2013	Hye-Ok Lee et al		obesity		PBF, LBM
353	Some physiological markers in elite male indoor rock climbers	Annals of Biological Research Library	2013	Seyyed Javad Ziaolhagh et al	Athletes	Sports	InBody	Body fat percentage
354	Concentrated bovine-milk whey active protein(CBP) supplement combined dynamic flamingo therapy(DFT) activates bone metabolism and bone related factors	Diabetes & Metabolism	2013	Sangun Lee et al		healthcare	3,0	
355	Metabolic effects of aloe vera gel complex in obese prediabetes and early non-treated diabetic patients: Randomized controlled trial	Nutrition	2013	Ho-Chun Choi et al	Diabetes patients	obesity	720	BFM, LBM
356	Body mass index and body fat percentage in assessment of obesity prevalence in Saudi adults	Biomed Environ Sci(IF:1.345)	2013	Syed Shahid HABIB	Healthy adults	obesity	3,0	PBF
357	Association between the SPRY1 gene polymorphism and obesity-related traits and osteoporosis in Korean women	Molecular Genetics and Metabolism	2013	Hyun-Seok Jin, et al	Geriatric	obesity	3,0	PBF, BMI, WHR, percent abdominal fat
358	Accuracy of segmental multi-frequency bioelectrical impedance analysis for assessign whole-body and appendicular fat mass and lean soft tissue mass in frail women aged 75 years and older	European Journal of Clinical Nutrition	2013	M Kim and H Kim	Geriatric	Validation	720	FM, LM

359	Characteristics and clinical outcome of hyponatraemia in peritoneal dialysis patients	Nephrology	2013	Seok Hui Kang et al	Dialysis patient	Renal disease	4,0	TBW
360	Geriatric nutritional risk index as a prognostic factor in peritoneal dialysis patients	Peritoneal Dialysis International	2013	Seok Hui Kang et al	Dialysis patient	Renal disease	4,0	FM, LM
361	Obstructive sleep apnea is associated with reduced quality of life in adult patients with asthma	Ann Allergy Asthma Immunol	2013	Mi Yeong Kim et al		sleep apnea	720	
362	Are oral protein supplements helpful in the management of malnutrition in dialysis patients?	Indian Journal of Nephrology	2013	T.K.Jeloka et al	Dialysis patient	Renal disease	230	FFM
363	Age-related changes in body composition in a sample of Czech women aged 18-89 years: a cross-sectional study	Eur J Nutr	2013	Ales Gaba et al	Healthy adults	body composition only	720	BFM, FFM, PBFM, VFA
364	Water versus land-based multimodal exercise program effects on body composition in breast cancer survivors: a controlled clinical trial	Support Care Cancer	2013	Carolina Fernandez-Lao et al	Cancer patient	cancer	720	fat percentage, lean muscle mass
365	Validation of a portable bioelectrical impedance analyzer for the assessment of body composition	Appl. Physiol. Nutr. Metab	2013	Antony D. Karelis et al		Validation	230	FM, FFM
366	Reliability and blood pressure parameters for dry weight estimation in hemodialysis patients	Therapeutic Apheresis and Dialysis	2013	Paweena Susantitaphong et al	Dialysis patient	Renal disease	720	
367	Prevalence and risk factors of fluid overload in Southern Chinese continuous ambulatory peritoneal dialysis patients	PLOS One	2013	Qunying Guo et al	Dialysis patient	Renal disease	720	

368	Direct segmental multi-frequency bioelectrical impedance analysis is useful to evaluate sarcopenia	American Journal of Transplantation	2013	T. Kaido and S. Uemoto		sarcopenia	720	
369	Comment on "Impact of sarcopenia on survival in patients undergoing living donor liver transplantation"	American Journal of Transplantation	2013	U. Safer et al		sarcopenia,liver disease		
370	Impact of sarcopenia on survival in patients undergoing living donor liver transplantation	American Journal of Transplantation	2013	T. Kaido et al	Liver transplant patients	sarcopenia,liver disease	720	
371	Haemodiafiltration results in similar changes in intracellular water and extracellular water compared to cooled haemodialysis	American journal of nephrology	2013	Sanjee Kumar, Davenport A et al		Renal disease	720	
372	Changes in upper limb extracellular water content during hemodialysis measured by multi-frequency bioimpedance	Int J Artif Organs	2013	Sanjee Kumar, Davenport A et al	Dialysis patient	Renal disease	720	segmental ECW ratio
373	Muscle activity and inactivity periods during normal daily life	PLOS One	2013	Olli Tikkanen et al		body composition only	720	
374	Effects of different frequencies of aquatic therapy program in adults with chronic low back pain	Pain Medicine	2013	Pedro Angel Baena-Beato et al	Adults	rehabilitation	720	
375	Visceral fat and body weight are reduced in overweight adults by the supplementation of Doenjang, a fermented soybean paste	Nutrition Research and Practice	2012	Soo-Wan Chae	Over weight	Diet	3,0	FM, PBF
376	Comparisons between validated estimated glomerular filtration rate(GFR) equations and isotopic GFR in HIV patients	AIDS	2012		HIV 患者	body composition (special group)	S20	

377	The effect of egg consumption in hyperlipidemic subjects during treatment with lipid-lowering drugs	Journal of Lipids	2012	Theerawut Klanjareonchai et al	Hyperlipidemic patients	cardio vascular diseases	720	LBM, BF, TBW
378	Recovery of Overall Exercise Ability, Quality of Life, and Continence After 12-Week Combined Exercise Intervention in Elderly Patients Who Underwent Radical Prostatectomy: A Randomized Controlled Study	Urology	2012	Sung-Woo Park	Cancer patient	cancer	720	FM, SMM, BMI, WHR
379	Metabolic syndrome and insulin resistance are associated with abnormal left ventricular diastolic function and structure independent of blood pressure and fasting plasma glucose level	International Journal of Cardiology	2012	You-Cheol Hwang	Adults	cardio vascular diseases	3,0	FM
380	Regular Exercise is Associated with a Reduction in the Risk of NAFLD and Decreased Liver Enzymes in Individuals with NAFLD Independent of Obesity in Korean Adults	PLoS ONE	2012	Ji-Cheol Bae	Obese	Liver disease	720	PBF
381	Nutritional risk factors of early development of postpartum prediabetes and diabetes in women with gestational diabetes mellitus	Nutrition	2012	Sung-Hoon Kim	Pregnant women	Diabetes	4,0	PBF
382	Analyses of body composition charts among younger and older Chinese children and adolescents aged 5 to 18 years	BioMed Central	2012	Kai-Yu Xiong	Children age under 18	body composition (special group)	J10	FM, FMI, FFM, FFMI
383	Beneficial effects of catechin-rich green tea and inulin on the body composition of overweight adults	British Journal of Nutrition	2012	Hsin-Yi Yang et al	Over weight	obesity	3,0	FM, LBM
384	Associations of proteinuria, fluid volume imbalance, and body mass index with circadian ambulatory blood pressure in chronic kidney disease patients	Kidney Blood Press Res	2012	Yasushi Ohashi et al	Renal disease patients	Renal disease	S20	TBW
385	Body composition changes by DXA, BIA and skinfolds during exercise training in women	Eur J Appl Physiol	2012	Elina Sillanpaa et al	Adults	Validation	720	
386	Alternative exercise technologies to fight against sarcopenia at old age: A series of studies and review	Journal of Aging Research	2012	Wolfgang Kemmler and Simon von Stengel		sarcopenia	InBody	body fat
387	A model for estimating body shape biological age based on clinical parameters associated with body composition	Clinical interventions in aging	2012	Chul-Yong Bae et al	Adults	body composition only	InBody	LBM, BFM

388	Assessment of sarcopenia in the elderly - a contribution to the methodology (OCENA SARKOPENII U OSÓB STARSZYCH – PRZYCZYNEK DO METODOLOGII)	Nowiny Lekarskie	2012	Katedra Geriatrii i Gerontologii	Geriatric	sarcopenia	170	MMI(muscle mass index), SMI(skeletal muscle index)
389	Body composition measurements determined by air displacement plethysmography and eight-polar bioelectrical impedance analysis are equivalent in African American College students	Health med Journal	2012	Wi-young So, Chang-Ho Ha et al	University student	Validation	720	FFM, FM
390	Effect of bioimpedance body composition analysis on function of implanted cardiac devices	Pacing and Clinical Electrophysiology	2012	Eric Buch et al	Heart disease patient	BIA [?] [?]	520	[?][?]
391	Utility of multifrequency bioelectrical impedance compared with dual-energy x-ray absorptiometry for assessment of total and regional body composition varies between men and women	Nutrition Research	2012	Lindsey J. Anderson et al	Adults	Validation	720, 520	FFM, FM
392	Metabolic profile of clinically severe obese patients	Obes Surg	2012	Silvia Leite Faria et al	Obese	obesity	720	FFM, FM
393	Energy expenditure before and after Roux-en-Y gastric bypass	Obes Surg	2012	Silvia Leite Faria et al	Obese	bariatric	720	FFM, FM
394	Changes in N-terminal pro-brain natriuretic peptide correlate with fluid volume changes assessed by bioimpedance in peritoneal dialysis patients	American journal of nephrology	2012	Davenport A	Dialysis patient	Renal disease	720	TBW
395	Pharmacokinetics of tacrolimus according to body composition in recipients of kidney transplants	Kidney Research and Clinical Practice	2012	Seung Seok Han	Patients	Renal disease	720	FM, LBM
396	The validity of multifrequency bioelectrical impedance measurement to detect changes in the hydration status of wrestlers during acute dehydration and rehydration	Journal of Strength and Conditioning Research	2012	Alan C. Utter et al	Athletes	Validation	230, 520	TBW
397	Extracellular volume expansion in peritoneal dialysis patients	Int Artif organs	2012	S Fan, RH Sayed and Davenport A	Dialysis patient	Renal disease	720	TBW
398	Edema index guided disease management improves 6-month outcomes of patients with acute heart failure	Int Heart J.	2012	Liu MH et al	Heart disease patient	cardiac disease	720	TBW
399	Assessment of body composition using dry mass index and ratio of total body water to estimated volume based on bioelectrical impedance analysis in chronic kidney disease patients	Journal of Renal Nutrition	2012	Yasushi Ohashi et al	Patients	Renal disease	520	TBW

400	Comparison between serum free triiodothyronine levels and body fluid distribution in hemodialysis patients	Clinical and experimental nephrology	2012	Osamu saito z et al	Dialysis patient	Renal disease	520	FM, TBW
401	Association between physical activity (PA) guidelines and body composition variables in middle-aged and older women.	Archives of gerontology and geriatrics	2012	Pelclová J, et al	Geriatric	healthcare	720	FFM, FM, VFA
402	Worsening of malnutrition-inflammation score is associated with high ratio of extracellular to total body water in hemodialysis patients	Kidney Research and Clinical Practice	2012	Narihito Tatsumoto, et al	Dialysis patient	Renal disease	720	TBW
403	Effectiveness of Dietetic Intervention on Nutritional Status and Hydration Status in Continuous Ambulatory Peritoneal Dialysis (CAPD) Patients	Kidney Research and Clinical Practice	2012	H.M. LAM et al	Dialysis patient	Renal disease	720	FFM, TBW, BCM
404	Bioelectrical Impedance as a Diagnostic Factor in the Clinical Practice and Prognostic Factor for Survival in Cancer Patients: Prediction, Accuracy and Reliability	Turkey. J Biosens Bioelectron	2012	Muobarak J Tuorkey*	Review [2] [2]	cancer	720	
405	Long-term Branched-chain Amino Acid Supplementation Improves Glucose Tolerance in Patients with Nonalcoholic Steatohepatitis-related Cirrhosis	Internal Medicine	2012	Teruki Miyake et al	2 cases	Liver disease	720	FFM, FM
406	Comparison of volume status in asymptomatic hemodialysis and peritoneal dialysis outpatients	Nephron Extra	2012	Davenport A et al	Dialysis patient	Renal disease	720	TBW
407	Use of Bioelectrical Impedance Analysis to Assess Body Composition in Heart Failure Patients	Journal of Cardiac Failure	2012	Elizabeth Thomas	heart disease patient	cardiac disease	520	FFM, FM
408	Pre- and perioperative factors affecting infection after living donor liver transplantation	Nutrition	2012	Toshimi Kaido et al	Liver transplant patients	Liver disease	720	TBW, FFM, BCM
409	Does peritoneal dialysate affect body composition assessments using multi-frequency bioimpedance in peritoneal dialysis patients?	European Journal of Clinical Nutrition	2012	Davenport A	Dialysis patient	Renal disease	720	TBW
410	Effects of Nordic walking on body composition, muscle strength and lipid profile in elderly women	Asian Nursing Research	2012	Min Sun Song et al	middle aged adults	healthcare	520	TBW, SMM, PBF
411	Onodera's prognostic nutritional index as a risk factor for mortality in peritoneal dialysis patients	Nephrology	2012	Seok Hui Kang et al	Dialysis patient	Renal disease	4,0	edema index
412	Association of plasma adiponectin levels with cellular hydration state measured using bioelectrical impedance analysis in patients with COPD	International Journal of COPD	2012	Takahiro Yoshikawa et al	COPD	COPD	3,0	ECW, ICW, ECW/ICW

413	Comparison of variations between percentage of body fat, body mass index and daily physical activity among young Japanese and Thai female students	Journal of Physiological anthropology	2012	Tomoko Morinaka et al	adults	body composition only	430	PBF, BW, BMI
414	Nutritional status assessment in Cirrhotic patients after protein supplementation	Internatiional Research Network	2012	Supanee Putadechakum et al		Liver disease	720	
415	Edema index established by a segmental multifrequency bioelectrical impedance analysis provides prognostic value in acute heart failure	J Cardiovasc Med	2012	Min-Hui Liu et al	heart disease patient	cardiac disease	720	ECW/TBW
416	Effect of weight loss on inflammation in patients with mid obstructive sleep apnea	Nutrition, Metabolism & Cardiovascular Diseases	2012	Sahlman et al	Apnea	sleep apnea	3,0	PBF
417	Adolescent build plotting on body composition chart and the type of diabetes mellitus	Journal of Korean Medical Science	2012	Ye Won Park et al	Children age under 18	Diabetes	720	FM, FFM, PBF
418	The association between fat and lean mass and bone mineral density: The healthy twin study	Bone	2012	Joo Hyun Park et al	Twines	obesity	720	
419	Change in body compositions of Asian Recipients after kidney transplantation	Journal of Korean Medical Science	2012	Yong Seok Han et al	Renal transplant patient	Renal disease	720	MM, FM
420	Estimation of bone mineral content from bioelectrical impedance analysis in Indian adults aged 23-81 years: a comparison with Dual energy X-ray absorptiometry	Int. J. Biomedical Engineering and Technology	2012	B.R.Patil et al	Adults	Validation	720	BMC
421	Comparison of bioimpedance analysis and dual energy X-ray absorptiometry body composition measurements in peritoneal dialysis patients according to edema	Clinical Nephrology	2012			Validation	4,0	
422	A 10-month anthropometric and bioimpedance evaluation of a nutritional education program for 7- to 14- year-old students	Journal of Human Growth and Development	2012	Christina Feferbaum	Children age under 18	healthcare	230	LM, FM
423	Aerobic performance and body composition changes during military service	Scandinavian Journal of Primary Health Care	2012	Marjaana Mikkola et al	Adults	body composition (special group)	720	FM, FFM, VFA

424	Effects of rehydration fluid temperature and composition on body weight retention upon voluntary drinking following exercise-induced dehydration	Nutrition Research and Practice	2012			Sports	520	
425	Effects of progressive resistance training on body composition, physical fitness and quality of life of patients on hemodialysis	J Korean Acad Nurs	2012	Jung, Sohng K	Dialysis patient	Renal disease	S10	SMM, BFR, AMC, WC, VFA

426	Is there a role for N-terminal probrain-type natriuretic peptide in determining volume status in haemodialysis patients?	Nephron Clin Pract	2012	Sanjee Kumar, Davenport A et al	Dialysis patient	Renal disease	720	ECW, ICW, TBW
427	Body composition analysis in critically ill survivors: A comparison of bioelectrical impedance spectroscopy devices	JPEN J Parenter Enteral Nutr	2012	Claire E. Baldwin et al	ICU patients	body composition (special group)	S20	
428	Ensembled artificial neural networks to predict the fitness score for body composition analysis	The Journal of Nutrition, Health & Aging	2011	X.R.Cui	Adults	body composition only	720	TBW, proteins, mineral, PBF, BMR, BMI, WHR,
429	Effects of arteriovenous fistula formation on arterial stiffness and cardiovascular performance and function		2011			Cardio vascular disease	S20	
430	The impact of antihypertensive drug therapy on endotoxemia in elderly patients with chronic kidney disease	Clin J Am Soc Nephrol(5.068)	2011			Renal disease	S20	
431	Developmental Origins of Physical Fitness: The Helsinki Birth Cohort Study	PLoS ONE	2011	Minna K. Salonen	Adults	healthcare	3,0	LBM, FM
432	Serum carcinoembryonic antigen is associated with metabolic syndrome in female Korean non-smokers	Clinica Chimica Acta	2011	Ji-Won Lee	Adults	metabolic syndrome	520	PBF
433	Visceral fat volume predicts new-onset type 2 diabetes in patients with chronic hepatitis C	Diabetes Research and Clinical Practice	2011	Motoh Iwasa et al	Liver disease patients	DM, Liver disease	720	PBF, VFA
434	Relationship between obesity, alcohol consumption, and physical activity of male office workers in South Korea	Nursing and Health Science	2011	Oksoo Kim et al	middle aged adults	life style	230	PBF, WHR

435	Comparison of multifrequency bioelectrical impedance analysis and dual-energy x-ray absorptiometry assessments in outpatient hemodialysis patients	American Journal of Kidney Diseases	2011	Antje Furstenberg, Davenport A	Dialysis patient	Validation	720	FFM, FM, BMC
436	The relationship between various measures of obesity and arterial stiffness in morbidly obese patients	BMC Cardiovascular Disorders	2011	N Nordstrand	Adults	obesity	720	FFM, FM, VFA
437	Prediction of treatment outcome with bioimpedance measurements in breast cancer related lymphedema patients	Ann Rehabil Med	2011	LeeSuk Kim et al	Lymphedema and breast cancer	Lymphedema	720	TBW
438	A close association of body cell mass loss with disease activity and disability in Chinese patients with rheumatoid arthritis	Clinics	2011	Yi-Ming chen et al	Rheumatoid patients	rehabilitation	720	FM, SLM
439	Relationship between Nocturnal Urine Volume, Leg Edema, and Urinary Antidiuretic Hormone in Older Men	Urology	2011	Akihide Hirayama et al	Patients	urinary system	3,0	FFM, TBW
440	Assessment of body composition using bioelectrical impedance analysis in Prader-Willi syndrome	Journal of the Formosan Medical Association	2011	Hsiang-Yu Lin et al	Children age under 18	body composition (special group)	3,0	FFM, FM
441	Accuracy of direct segmental multi-frequency bioimpedance analysis in the assessment of total body and segmental body composition in middle-aged adult population	Clinical Nutrition	2011	Carolina H.Y. Ling	Adults	Validation	720	WHR, LM, BF
442	Assessment of body composition in peritoneal dialysis(PD) patients using bioelectrical impedance and dual-energy x-ray absorptiometry	American journal of nephrology	2011	Furstenberg A and Davenport A	Dialysis patient	Validation	720	FFM
443	The Effects of Androgen Deprivation Therapy on Lipid Metabolism and Body Composition in Japanese Patients with Prostate Cancer	Jpn J Clin Oncol	2011	Kazumasa Torimoto et al	Cancer patient	cancer	S20	FM, VFA
444	InBody 720 as a new method of evaluation visceral obesity	Hepato-Gastroenterology	2011	Hisataka Ogawa et al	Cancer patient	Validation	720	VFA
445	Is extracellular volume expansion of peritoneal dialysis patients associated with greater urine output?	Blood Purif	2011			Renal disease		

446	The effect of racial origin on total body water volume in peritoneal dialysis patients.	Clin J Am Soc Nephrol	2011	Davenport A et al	Dialysis patient	Renal disease	720	TBW, ECW, ICW
447	How best to improve survival in hemodialysis patients: solute clearance or volume control?	Kidney International	2011			Renal disease		
448	The effect of vascular access modality on changes in fluid content in the arms as determined by multifrequency bioimpedance	Nephrol Dial Transplant	2011	John Booth, Davenport A et al	Dialysis patient	Renal disease	720	ECW/TBW
449	External cross-validation of bioelectrical impedance analysis for the assessment of body composition in Korean adults	Nutrition Research and Practice	2011	Hyeojin Kim et al	Adults	Validation	4,0	FFM, PBF
450	Gender differences in relationship between fat free mass index and fat mass index among Korean children using body composition chart	Yonsei Medical Journal	2011	HyeongGeun Park et al	Children age under 18	body composition (special group)	110	FM, FFM, PBF
451	Single prediction equation for bioelectrical impedance analysis in adults aged 22-59 years	Journal of Medical Engineering & Technology	2011	B.R.Patil et al	Adults	Validation	720	BMD
452	Exercise capacity in pediatric patients with inflammatory bowel disease	J Pediatr	2011	Hilde E. Ploeger et al	Children age under 18	Gastrointestinal disease	520	PBF
453	Comparison of the dietary intake and clinical characteristics of obese and normal weight adults	Nutrition Research and Practice	2011	Kyeong Jin Jeon et al		obesity	520	
454	Brown adipose tissue, whole body energy expenditure, and thermogenesis in healthy adult men	Obesity	2011	Takeshi Yoneshiro et al		body composition only	320	
455	The calcineurin inhibitor tacrolimus activates the renal sodium chloride cotransporter to cause hypertension	nature medicine(IF 22.462)	2011	Ewout J Hoorn et al		Cardio vascular disease	720	

456	Exercise during military training improves cardiovascular risk factors in young men	Atherosclerosis	2011	Henna Cederberg et al	adults	body composition (special group)	720	
457	Optimal cutoffs of percentage body fat for predicting obesity-related cardiovascular disease risk factors in Korean adults	Am J Clin Nutr (IF 6.7)	2011	Chul-Hyun Kim et al	Healthy adults	obesity	3,0	FM, FFM
458	The Changes of Blood Glucose Control and Lipid Profiles after Short-Term Smoking Cessation in Healthy Males	Psychiatry Investigation	2010	Seon-Su Lee	Smoking adults	life style	720	FM, SMM, WHR
459	Association between and Lipodystrophy among HIVInfected Patients from Thailand Who Received a StavudineContaining Antiretroviral Regimen	Clinical Infectious Diseases	2010	Wittaya Wangsomboonsiri	HIV 0000	AIDS	720	FM, VFA
460	Endothelial dysfunction in obese non-hypertensive children without evidence of sleep disordered breathing	BMC Pediatrics	2010	Rakesh Bhattacharjee	Children age under 18	sleep apnea	320	PBF, VFA
461	Different Techniques in Assessing Body Composition among Inactive Adolescent Female	International Conference on Science and	2010	Hashbullah Ismail	Children age under 18	Validation	230	PBF
462	Influence of obesity and sarcopenic obesity on plantar pressure of postmenopausal women	Clinical Biomechanics	2010	M.Monteiro	Manopause	sarcopenia	720	SMM, FFM
463	Arterial Stiffness in Chronic Renal Failure and After Renal Transplantation	Transplantation Proceedings	2010	L. Lócsey	Dialysis patient	Renal disease	000	TBW, FM, VFA
464	Prenatal and childhood growth and leisure time physical activity in adult life	European Journal of Public Health	2010	Minna K. Salonen	middle aged adults	body composition only	3,0	FM, LBM
465	N-terminal proBNP--marker of cardiac dysfunction, fluid overload, or malnutrition in hemodialysis patients?	Clin J Am Soc Nephrol(5.068)	2010			Renal disease		
466	Negative dialysate to sodium gradient does not lead to intracellular volume expansion post hemodialysis.	Int J Artif Organs(1.860)	2010			Renal disease		
467	Reduction of skeletal muscle, especially in lower limbs, in Japanese type 2 diabetic patients with insulin resistance and cardiovascular risk factors	Metabolic syndrome and related disorders	2010	Yuji Tajiri et al	Diabetes patients	Diabetes	720	

468	Temporal parameters of the foot roll-over during walking: Influence of obesity and sarcopenic obesity on postmenopausal women	Maturitas	2010	Marco A. Monteiro	Menopause	sarcopenia	720	SMM, FFM
469	Effect of bariatric surgery on circulating chemerin levels	Eur J Clin Invest	2010	C. Rössler et al	Obese	bariatric	3,0	FM
470	The relationship between lung function and metabolic syndrome in obese and non obese Korean adult males	Korean Diabetes Journal	2010	Soo Kyoung Kim et al	Adults	metabolic syndrome	720	BF
471	Evaluation of Multifrequency Bioelectrical Impedance Analysis in assessing body composition of wrestlers	Med Sci Sports Exerc.	2010	Alan C. Utter and Pamela G. Lambeth	Athletes	Validation	520	TBW
472	Lean Mass Index: a better predictor of mortality than body mass index in elderly Asians	The American Geriatrics Society	2010	Seung Seok Han	Geriatric	sarcopenia	720	LBM, FM
473	Condition and body constitution of soccer player in category U19 before and after completing a preparatory period	Acta Univ. Palacki, Gymn	2010	Zdenek Botek et al	Athletes	body composition only	720	TBW, ICW, ECW, dry body mass,
474	Reliability and data intergration of duplicated test results using two bioelectrical impedance analysis machines in the Korean genome and epidemiology study	Journal of preventive Medicine and Public Health	2010	Boyoung Park et al	Adults	Validation	330	BMR, ②②②
475	Impact of pretransplant nutritional status in patients undergoing liver transplantation	Hepato-Gastroenterology	2010	Toshimi Kaido et al	liver transplant pati	Liver disease	720	BCM, BFM, TBW
476	Does Diabetes Mellitus Predispose to Increased Fluid Overload in Peritoneal Dialysis Patients?	Nephron Clin Pract	2010	Davenport A	Diabetes patients	Renal disease	720	TBW
477	Oxidized albumin is associated with water retention and severity of disease in patients with chronic liver diseases	ESPEN	2010	Masahiro Sakata	Liver disease patients	Liver disease	②②②	TBW
478	Restriction of calorie and iron intake results in reduction of visceral fat and serum alanine aminotransferase and ferritin levels in patients with chronic liver disease	Hepatology research	2010	Motoh Iwasa et al	Liver disease patients	Liver disease	720	BF, VFA
479	Comparisons of obesity assessments in over-weight elementary students using anthropometry, BIA, CT and DEXA	Nutrition Research and Practice	2010	Ok-Kyeong Yu et al	Children age under 18	Validation	230	FFM, FM
480	A Comparative Study of Diet in Good and Poor Glycemic Control Groups in Elderly Patients with Type 2 Diabetes Mellitus	Korean Diabetes Journal	2010	Mi-Hye Woo et al	Geriatric	Diabetes	4,0	BF, LBM
481	Bone Mineral Density in Prediabetic Men	Korean Diabetes Journal	2010	Ju Hee Lee et al	middle aged adults	Diabetes	4,0	FM
482	Dietary factors related to body weight in adult Vietnamese in the rural area of Haiphong, Vietnam: the Korean Genome and Epidemiology Study (KoGES)	Nutrition Research and Practice	2010	Sun Hye Kim et al	Adults	body composition only	230	②②②

483	Differences in Clinical Characteristics between Patients with Non-Erosive Reflux Disease and Erosive Esophagitis in Korea	Journal of Korean Medical Science	2010	Na Rae Ha et al	Patients	Gastrointestinal disease	3,0	obesity degree, WHR
484	Eating habits, obesity related behaviors, and effects of Danhak exercise in elderly Koreans	Nutrition Research and Practice	2010	Ae Wha Ha et al	Geriatric	life style	3,0	BF
485	Effects of Body Composition, Leptin, and Adiponectin on Bone Mineral Density in Prepubertal Girls	Journal of Korean Medical Science	2010	Young Jun Rhie et al	Children age under 18	body composition (special group)	4,0	FM, FFM
486	Effects of caloric restriction with varying energy density and aerobic exercise on weight change and satiety in young female adults	Nutrition Research and Practice	2010	Sae Won Song et al	Adults	healthcare	3,0	BF
487	Overlap of Erosive and Non-erosive Reflux Diseases With Functional Gastrointestinal Disorders According to Rome III Criteria	Journal of Neurogastroenterology and Motility	2010	Young Wook Noh et al	middle aged adults	Gastrointestinal disease	720	BMI
488	Still life with less: North Korean young adult defectors in South Korea show continued poor nutrition and physique	Nutrition Research and Practice	2010	Seul Ki Choi et al	Children age under 18 and university students	body composition (special group)	4,0	BMI
489	The Effects of an Exercise Program on Anthropometric, Metabolic, and Cardiovascular Parameters in Obese Children	Korean Circulation Journal	2010	Yun Hee Lee et al	Children age under 18	child obese	3,0	FM
490	The Frequency and Risk Factors of Colorectal Adenoma in Health-Check-up Subjects in South Korea: Relationship to Abdominal Obesity and Age	Gut and Liver	2010	Ki-Seong Kim et al	Patients	Gastrointestinal disease	3,0	BMI
491	The Relationship of Adiponectin/Leptin Ratio with Homeostasis Model Assessment Insulin Resistance Index and Metabolic Syndrome in Apparently Healthy Korean Male Adults	Korean Diabetes Journal	2010	Chan-Hee Jung et al	Adults	metabolic syndrome	3,0	PBF
492	Tumor Necrosis Factor(TNF- α) and C-reactive Protein(CRP) are Positively Associated with the Risk of Chronic Kidney Disease in Patients with Type 2 Diabetes	Yonsei Medical Journal	2010	Eun-Sil Yeo et al	Patients	Diabetes	4,0	??
493	Comparisons of the Waist-to-hip Ratio Between Bioimpedance Analysis and Four Sites of Tape Measurements	Medicine & Science in sports & Exercise	2010	Sheng-An Lo et al	Athletes	Validation	3,0	WHR
494	Endothelial Function is Not Changed during Short-Term Withdrawal of Thyroxine in Patients with Differentiated Thyroid Cancer and Low Cardiovascular Risk	Yonsei Medical Journal	2010	Hyuk-Jae Chang et al	Patients	cancer	3,0	BF, LBM
495	The activation of the inflammatory cytokines in overweight patients with mild obstructive sleep apnea	J. Sleep Res.	2010	Johanna Sahlman et al		sleep apnea	3,0	
496	Derivation of a new equation for estimating creatinine clearance by using fat-free mass and serum creatinine concentration in Korean patients with type 2 diabetes mellitus	Diabetes Research and Clinical Practice	2009	Eun Kyung Lee et al	Diabetes patients	Diabetes	2,0	FFM, FM

497	Ratio changes of selected components of body composition after lymphatic massage	Acta Univ. Palacki Olomuc, Gymn	2009	Jarmila Riegerova et al	Adults	Lymphedema	720	BFM, WHR, VFA, SMM, ICW, ECW, TBW
498	Association of Plasma Levels of Resistin with Subcutaneous Fat Mass and Markers of Inflammation but not with Metabolic Determinants or Insulin Resistance	Journal of Korean Medical Science	2009	Jong Chul Won et al	Patients	Endocrinology	3,0	TBF, muscle
499	Cardiac Autonomic Neuropathy as a Predictor of Deterioration of the Renal Function in Normoalbuminuric, Normotensive Patients with Type 2 Diabetes Mellitus	Journal of Korean Medical Science	2009	Young Kyun Kim et al	Patients	Diabetes	2,0	BFM
500	Combined Impact of Adiponectin and Retinol-binding Protein 4 on Metabolic Syndrome in Elderly People: The Korean Longitudinal Study on Health and Aging	Obesity	2009	Soo Lim et al	Geriatric	metabolic syndrome	3,0	BFM
501	Combining Near-Subject Absolute and Relative Measures of Longitudinal Hydration in Hemodialysis	Clinical Journal of the American Society of Nephrology	2009	Cian Chan et al	Patients	Renal disease	S20	BFM, TBW
502	Comparison of time course changes in blood glucose, insulin and lipids between high carbohydrate and high fat meals in healthy young women	Nutrition Research and Practice	2009	Yoomi Shin et al	Adults	life style	4,0	BF
503	Effects of sodium phosphate loading on aerobic power and capacity in off road cyclists	Journal of Sports Science and Medicine	2009	Milosz Czuba et al	Athletes	Sports	720	BFM
504	Evaluation of 8-week body weight control program including sea tangle (Laminaria japonica) supplementation in Korean female college students	Nutrition Research and Practice	2009	Jeong Soon You et al	university students	Diet	3,0	BW, SLM, BFM, PBF, WHR, BMI
505	Hydration Status Does Not Influence Peritoneal Equilibration Test Ultrafiltration Volumes	Clinical Journal of the American Society of Nephrology	2009	Davenport A, Michelle Kay Willicombe	Patients	Renal disease	720	TBW
506	Metalloproteinase-3 Genotype as a Predictor of Cardiovascular Risk in Hypertensive Adolescents	The Korean Society of Cardiology	2009	Yun Hee Lee et al	Children age under 18	cardio vascular disease	3,0	FM
507	Reference Data of Multi Frequencies Bioelectric Impedance Method in Japanese	Anti-Aging Medicine	2009	Nobuyuke Miyatake et al	Adults	Validation	720	PBF, MM, LBM, BMC
508	Seasonal and gender differences of beverage consumption in elementary school students	Nutrition Research and Practice	2009	Seok-Young Kim et al	Children age under 18	life style	3,0	BFM

509	The Image Quality and Radiation Dose of 100-kVp versus 120-kVp ECG-Gated 16-Slice CT Coronary Angiography	Korean Journal of Radiology	2009	Eun-Ah Park et al	Adults	body composition only	4,0	BFM
510	The Relationship between Nocturnal Polyuria and the Distribution of Body Fluid: Assessment by Bioelectric Impedance Analysis	The Journal of Urology	2009	Kazumasa Torimoto et al	Geriatric	urinary system	3.0/S20	TBW
511	Estimating survival in patients with cancer receiving palliative care_is analysis of body composition using bioimpedance helpful	Journal of palliative medicine	2009	Gregory Brian Crawford et	Cancer patient	cancer	720	TBW
512	dy design and methods of the Ansan Geriatric study (AGE stu	BMC Neurology	2009	Changsu Han et al	Geriatric	body composition (special group)	520	BMI, WHR, WC, PBF
513	Cross-calibration of multi-frequency bioelectrical impedance analysis with eight-point tactile electrodes and dual-energy X-ray absorptiometry for assessment of body composition in healthy children aged 6 – 18 years	Pediatrics International	2009	Jung S. Lim et al	Children age under 18	Validation	720	FFM, LTM
514	Value of the extracellular water ratio for assessment of cirrhotic patients with and without ascites	Hepatology research	2009	Nagisa Hara et al	Liver disease patients	Liver disease	720	TBW
515	Cross-validation of bioelectrical impedance analysis for the assessment of body composition in a representative sample of 6- to 13-year-old children	European Journal of Clinical Nutrition	2009	S Kriemler et al	Children age under 18	Validation	3,0	FFM, FM, LTM
516	Effects of weight loss on lipid transfer proteins in morbidly obese women	Lipids	2009	Fang-Hsuean Liao et al		obesity	3,0	FM
517	Could Kinesio tape replace the bandage in decongestive lymphatic therapy for breast cancer related lymphedema? A pilot study	Supportive care in cancer : official journal of the	2009	Han-Ju Tsai et al	Adults	Lymphedema	3,0	water composition
518	Usefulness of segmental bioimpedance ratio to determine dry body weight in new hemodialysis patients- A pilot study	American journal of nephrology	2009	JH Park et al	Patients	Renal disease	720	Impedance
519	Validity of segmental multiple-frequency bioelectrical impedance analysis to estimate body composition of adults across a range of body mass indexes	Nutrition	2009	Kimberly J. Shafer et al	Adults	Validation	320	PBF
520	Comparison of fluid status in patients treated by different modalities of peritoneal dialysis using multi-frequency bioimpedance	The International Journal of Artificial Organs(1.860)	2009	Davenport A, Michelle Kay Willicombe	Patients	Renal disease	720	TBW

521	Evaluation of exercise programs at a fitness club in female exercise beginners using anti-aging medical indicators	Anti-Aging Medicine	2009	Toshio Mochizuki et al	Menopause	healthcare	520	PBF, FM, LBM, Body water content
522	Extent of emphysema on HRCT affects loss of fat-free mass and fat mass in COPD	Inter Med	2009	Yoko Kurosaki et al	Chronic obstructive pulmonary disease patients	COPD	3,2	FFM, FM
523	Changes in body fat mass in patients after starting peritoneal dialysis	Peritoneal Dialysis International	2009	Soo Jeon Choi et al		Renal disease	4,0	ECF, ICF, PM, MM, FM
524	Influence of visceral obesity and liver fat on vascular structure and function in obese subjects	Obesity	2009	Wolfgang Sturm et al		obesity		
525	Relationship between body composition and bone mineral density in Perimenopausal Korean women	Clinical Endocrinology	2009	C.J.Kim et al		body composition (special group)		
526	Retinol-binding protein 4, visceral fat, and the metabolic syndrome: Effects of weight loss	Obesity	2008	Alexander Tschoner et al		obesity	3,0	LM, FM
527	Assessing body composition with DXA and bioimpedance: effects of obesity, physical activity, and age	Obesity	2008	Volgyi E et al	Adults	Validation	720	PBF
528	Association of UCP1 Genetic Polymorphisms with Blood Pressure among Korean Female Subjects	Journal of Korean Medical Science	2008	Min Ho Cha, Yoosik Yoon et al	Adults	body composition only	2,0	BF
529	Intima-Media Thickness and Pulse Wave Velocity in Hypertensive Adolescents	Journal of Korean Medical Science	2008	Tae Young Gil et al	Children age under 18	cardiovascular diseases	3,0	fat
530	Polymorphism of the Angiotensin II Type 1 Receptor A1166C in Korean Hypertensive Adolescents	Korean Circulation Journal(대한순환기학회지)	2008	Jung Ah Lee et al	Children age under 18	cardiovascular diseases	3,0	FM
531	Visceral Fat Thickness Predicts Fatty Liver in Koreans with Type 2 Diabetes Mellitus	Journal of Korean Medical Science	2008	Hai Jin Kim et al	Patients	Diabetes	2,0	BFM
532	Body cell mass is a useful parameter for assessing malnutrition and severity of disease in non-ascitic cirrhotic patients with hepatocellular carcinoma or esophageal varices	INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE	2008	TAKUMI KAWAGUCHI	Liver cirrhosis patients	Liver disease	3,2	BCM, TBW

533	Ability of new octapolar bioimpedance spectroscopy analyzers to predict 4-component-model percentage body fat in Hispanic, black, and white adults	The American Journal of Clinical Nutrition	2008	Ann L Gibson et al	Adults	Validation	720	
534	Agreements between Indirect Calorimetry and Prediction Equations of Resting Energy Expenditure in End-Stage Renal Disease Patients on Continuous Ambulatory	Yonsei Medical Journal	2008	Seoung Woo Lee et al	Patients	Renal disease	4,0	???
535	Validity and reliability of body composition analysers in children and adults	The British journal of nutrition	2008	Nicole E. Jensky-Squires et al	Adults	Validation	320	BF
536	Effects of functional electrical stimulation on peak torque and body composition in patients with incomplete spinal cord injury	Kaohsiung J Med Sci	2007	Min-Wei Liu et al		rehabilitation	3,0	
537	Effects of pronounced weight loss on adiponectin oligomer composition and metabolic parameters	Obesity	2007	Julia Engl et al	Obese	obesity	3,0	LM, FM
538	Assessment of body fluid component in hemodialyzed patients using body composition analyzer(InBody S20): Can the bioelectrical impedance method be a marker of dry Weight	???????	2007		Patients	Renal disease	S20	TBW
539	Insulin resistance and muscle wasting in non-diabetic end-stage renal disease patients	Nephrology Dialysis Transplantation	2007	Seoung Woo Lee et al	Patients	Renal disease	3,0	LBM
540	Weight-bearing exercise and its impact on arm lymphoedema	Journal of Lymphoedema	2007	Karin Johansson, Neil Piller	Adults	Lymphedema	3,0	
541	Comparison of the effects of swimming and Tai Chi Chuan on body fat composition in elderly people	Chang Gung Med J.	2007	Tung-Yang Yu et al	Geriatric	healthcare	3,0	ICF, ECW, BF, PBF, LBM
542	Effects of genetic polymorphisms of UCP2 and UCP3 on very low calorie diet-induced body fat reduction in Korean female subjects	Biochemical and Biophysical Research Communications	2007	Yoosik Yoon et al	Adults	obesity	2,0	FM, PM
543	Plasma visfatin levels are positively associated with circulating interleukin-6 in apparently healthy Korean women	Diabetes Research and Clinical Practice	2008	Ji A Seo, Nan Hee Kim et al	middle aged adults	Diabetes	3,0	FM, PBF

544	Adiponectin gene SNP 276G → T, nutrient intakes, and cardiovascular disease risk in Korean type 2 DM patients	Nutrition Research and Practice	2007	So Young Yu et al	middle aged adults	Diabetes	4,0	???
545	Dining-out behaviors of residents in Chuncheon city, Korea, in comparison to the Korean National Health and Nutrition Survey 2001	Nutrition Research and Practice	2007	Yang Wha Kang et al	Adults	life style	3,0	height, weight
546	Incidence and Risk Factors of Insulin Resistance Syndrome in 20-59 Year-Old Korean Male Workers	Journal of Korean Medical Science	2007	Soo-Geun Kim et al	Adults	Diabetes	3,0	WHR
547	The comparison in daily intake of nutrients, dietary habits and body composition of female college students by body mass index	Nutrition Research and Practice	2007	Myung-Soo Ko	university students	life style	3,0	mineral levels, muscle mass, fat levels
548	Visceral Fatness and Insulin Sensitivity in Women With a Previous History of Gestational Diabetes Mellitus	Diabetes Care	2007	Soo Lim et al	Adults	Diabetes	3,0	body fat
549	clinical characteristics of Korean type 2 diabetic patients in 20	Diabetes Research and Clinical Practice	2007	Dae Jung Kim et al	Patients	Diabetes	4,0	PBF
550	Effect of pinitol on glucose metabolism and adipocytokines in uncontrolled type 2 diabetes	Diabetes Research and Clinical Practice	2007	Mi Jin Kim et al	Patients	Diabetes	2,0	fat
551	Anthropometric and intellectual evaluation of individuals with Prader-Willi syndrome	Journal of the Formosan Medical Association	2007	San-Ging Shu et al	mental retarded patients	body composition (special group)	3,0	body fat
552	Nutrition assessment in children with short bowel syndrome weaned off parenteral nutrition: a long-term follow-up study	Journal of Pediatric Surgery	2007	Jiang Wu et al	Children age under 18	Gastrointestinal disease	720	PFM
553	Effectiveness of a soy-based compared with a traditional low-calorie diet on weight loss and lipid levels in overweight adults	Nutrition	2007	Fang-Hsuean Liao et al	Adults	obesity	3,0	PBF
554	Chitosan supplementation lowers serum lipids and maintains normal calcium, magnesium, and iron status in hyperlipidemic patients	Nutrition Research	2007	Fang-Hsuean Liao et al	Patients	Diet	3,0	
555	Early therapeutic benefit of enteral nutrition in active Crohn disease	Nutrition Research	2007	Qing-Song Tao et al	Patients	Gastrointestinal disease	3,0	FFM, ICW, FM, BCM

556	Development of models for predicting biological age (BA) with physical, biochemical, and hormonal parameters	Archives of gerontology and geriatrics	2007	Chul-Young Bae et al	middle aged adults	body composition only	3,0	LBM, BFM
557	Effect of a multistage ultra-endurance triathlon on body composition: World Challenge Deca Iron Triathlon 2006	Br J Sports Med	2007	B Knechtle et al	Athletes	Sports	3,0	PM, BF, PBF, MM, LBM
558	Influence of weight reduction by sibutramine on female sexual function.	International Journal of Obesity	2006	KK Kim et al		obesity	2,0	
559	A school-based physical activity program to improve health and fitness in children aged 6-13 years ("Kinder-Sportstudie KISS"): study design of a randomized controlled trial	BMC Public Health	2006	Lukas Zahner et al	Children age under 18	healthcare	21 21 21	
560	A rural-urban comparison of the characteristics of the metabolic syndrome by gender in Korea: the Korean Health and Genome Study	Journal of Endocrinological Investigation	2006		Adults	metabolic syndrome	21 21 21	
561	Usefulness of a body composition analyzer, Inbody 2.0, in Chronic hemodialysis patients	The Kaohsiung Journal of Medical Sciences	2006	Machiko Okamoto et al	Dialysis patient	Renal disease	2,0	TBW
562	The relationship between body fat and C-reactive protein in middle-aged Korean population	Atherosclerosis	2006	Soo Lim et al	middle aged adults	ardio vascular diseas	3,0	FM, FFM
563	Familial aggregation of the metabolic syndrome in Korean families with adolescents	Atherosclerosis	2006	Hye Soon Park et al	Children age under 18	metabolic syndrome	3,0	body fat
564	Dialysis-Induced Regional Left Ventricular Dysfunction is Ameliorated by Cooling the Dialysate	Clinical Journal of the American Society of Nephrology	2006	Nicholas M. Selby et al	Patients	Renal disease	S20	TBW
565	Assessment of Fluid Shifts of Body Compartments using Both Bioimpedance Analysis and Blood Volume Monitoring	Journal of Korean Medical Science	2006	Soo-Jeong Yu et al	Patients	Renal disease	InBodyBS1	TBW

566	Cut-off Values of Visceral Fat Area and Waist Circumference: Diagnostic Criteria for Abdominal Obesity in a Korean Population	Journal of Korean Medical Science	2006	Jeong Ah Kim et al	Adults	obesity	2,0	PBF
567	Effects of abdominal electroacupuncture on parameters related to obesity in obese women: a pilot study	Complementary Therapies in Clinical Practice	2006	Myeong Soo Lee et al	Adults	obesity	2, 2, 2	PBF
568	The effects of uncoupling protein 3 haplotypes on obesity phenotypes and very low-energy diet-induced changes among overweight Korean female subjects	Metabolism	2006	Min Ho Cha et al	Adults	obesity	2,0	PBF, WHR, FM, FFM
569	Plasma adiponectin levels in postmenopausal women with or without long-term hormone therapy	Maturitas	2006	Lee-Aee Im et al	middle aged adults	Endocrinology	2,0	PBF
570	Characteristics of glycemic control in elite power and endurance athletes	Preventive Medicine	2005	Shih-Wei Chou et al	Athletes	Sports	3,0	MM, FM
571	Serum Citrulline Is A Simple Quantitative Marker for Small Intestinal Enterocytes Mass and Absorption Function in Short Bowel Patients	Journal of Surgical Research	2005	Gong Jianfeng et al	Patients	Gastrointestinal disease	3,0	2,2,2
572	The finding of new genetic polymorphism of UCP-1 A-1766G and its effects on body fat accumulation	Biochimica et biophysica acta	2005	Kil Soo Kim et al	Adults	obesity	2,0	2,2,2
573	Relationship of obesity and visceral adiposity with serum concentrations of CRP, TNF-a and IL-6	Diabetes Research and Clinical Practice	2005	Hye Soon Park et al	Adults	obesity	3,0	fat
574	C-reactive protein level as an independent risk factor of metabolic syndrome in the Korean population. CRP as risk factor of metabolic syndrome	Diabetes Research and Clinical Practice	2005	S. Lim et al	Adults	metabolic syndrome	3,0	BF, LBM
575	Relationships between fasting plasma ghrelin levels and metabolic parameters in children and adolescents	Metabolism Clinical and Experimental	2005	Hye Soon Park et al	Children age under 18	metabolic syndrome	3,0	BF
576	Plasma adiponectin and insulin resistance in Korean type 2 diabetes mellitus	Yonsei Medical Journal	2005	Mi-Jin Kim et al	Diabetes patients	Diabetes	2,0	Fat
577	Hypoleptinemia in gastric cancer patients: relation to body fat mass, Insulin, and growth hormone	Journal of parenteral and enteral nutrition	2005	Qi Huang et al	Cancer patient	cancer	3,0	2,2,2

578	High relative fat-free mass is important for maintaining serum albumin levels in patients with compensated liver cirrhosis	World Journal of Gastroenterology	2005	Kazuhiro Kotoh et al	Patients	Liver disease	3,0	FFM
579	Body water distribution in severe obesity and its assessment from eight-polar bioelectrical impedance analysis	European Journal of Clinical Nutrition	2005	A Sartorio et al	Adults	Validation	3,0	TBW, ECW
580	Development of anthropometry-based equations for the estimation of the total body water in Koreans	Journal of Korean Medical Science	2005	Moon-Jae Kim et al	middle aged adults	body composition only	3,0	TBW
581	Association between N-terminal pro-brain natriuretic peptide (NT-proBNP) and extracellular water and left ventricular mass in continuous ambulatory peritoneal dialysis	Peritoneal dialysis – solutions, peritonitis, outcomes, miscellaneous	2005	Dong-Jin oh et al	Patients	Renal disease	InBodyBS1	
582	Accuracy of eight-polar bioelectrical impedance analysis for the assessment of total and appendicular body composition in peritoneal dialysis patients	European Journal of Clinical Nutrition	2005	G Medici et al	Patients	Validation	3,0	FFM, LTM
583	Report on the Health and Fitness Analysis of Pupils at a North Tyneside Primary School	Northern Health and Fitness Assessments	2005		Children age under 18	body composition (special group)	720	
584	Body composition and nutritional habits in professional ballet dancers	International Journal of Body Composition Research	2005	Marcella Malavolti et al	ballet dancers	life style	3,0	
585	Characteristics of Type 2 Diabetes in Terms of Insulin Resistance in Korea	Yonsei Medical Journal	2005	Jong-Suk Park et al	Patients	Diabetes	3,0	BF
586	Hypoadiponectinemia and Insulin Resistance are Associated with Nonalcoholic Fatty Liver Disease	Journal of Korean Medical Science	2005	Dokyoung Yoon et al	Patients	Liver disease	3,0	BF
587	Reduction in Visceral Adiposity is Highly Related to Improvement in Vascular Endothelial Dysfunction among Obese Women: An Assessment of Endothelial Function by Radial Artery Pulse Wave Analysis	Yonsei Medical Journal	2005		Adults	obesity	2,0	

588	Change of the growth hormone-insulin-like growth factor-I axis in patients with gastrointestinal cancer: related to tumour type and nutritional status	British Journal of Nutrition	2005	Qi Huang et al	Cancer patient	cancer	3,0	LBM, MM, PM, FM
589	Depressive mood and abdominal fat distribution in overweight premenopausal women	Obesity research	2005	Eon Sook Lee et al		obesity		
590	Absolute reduction in lower limb lean body mass in Japanese women with knee osteoarthritis	J Clin Rheumatol (1.364)	2005	Neil A. Segal and Yoshitaka Toda	middle aged adults	rehabilitation	2,0	LBM
591	Treatment of Depression and Effect of Antidepressant Treatment on Nutritional Status in Chronic Hemodialysis Patients	The American Journal of the Medical Sciences	2004	Ja-Ryong Koo et al	Renal disease patients	Renal disease	2,0	FM, TBW
592	The Effects of Antidepressant Treatment on Serum Cytokines and Nutritional Status in Hemodialysis Patients	The Korean Academy of Medical Sciences	2004	Sang-Kyu Lee et al	Patients	Renal disease	2,0	FFM, water, fat
593	Percentage of Total Body Fat as Estimated by Three Automatic Bioelectrical Impedance Analyzers	Journal of Physiological Anthropology and Applied Human Science	2004	Shinichi Demura et al	university students	Validation	3,0	BF
594	Effect of Weight Reduction on Metabolic Syndrome in Korean Obese Patients	Journal of Korean Medical Science	2004	Hye Soon Park et al	Patients	obesity	3,0	PBF
595	Association between respiratory function and osteoporosis in pre- and postmenopausal women	Maturitas	2004	Jong Weon Choi et al	Menopause	rehabilitation	3,0	
596	Serum Tumor Necrosis Factor- α Levels and Components of the Metabolic Syndrome in Obese Adolescents	Metabolism: clinical and experimental	2004	Yoo-Sun Moon, Dong-Keun Song et al	Children age under 18	obesity	3,0	fat
597	The Effects of Uncoupling Protein-1 Genotype on Lipoprotein Cholesterol Level in Korean Obese Subjects	Metabolism: clinical and experimental	2004	Hyun Hee Oh, Yoosik Yoon et al	Adults	obesity	2,0	
598	Gender Differences in Familial Aggregation of Obesity-related Phenotypes and Dietary Intake Patterns in Korean Families	Annals of epidemiology	2004	Hye Soon Park, Sung-il Cho et al	Children age under 18	obesity	3,0	BF

599	Effects of hiking at altitude on body composition and insulin sensitivity in recovering drug addicts	Preventive Medicine	2004	Wen-Chih Lee, Chia-Hua Kuo et al	Adults	healthcare	3,0	MM, FM
600	The Effects of Pilates Training on Flexibility and Body Composition: An Observational Study	Archives of Physical Medicine and Rehabilitation	2004	Neil A. Segar, Jeffrey R. Basford et al	Adults	Sports	3,0	FM, LBM
601	Body composition changes with age have gender-specific impacts on bone mineral density	Bone	2004	Soo Lim, Sung-Il Cho et al	Adults	orthopedic	3,0	FM, LBM
602	The effect of combined aerobic and resistance exercise training on abdominal fat in obese middle-aged women	J Physiol Anthropol	2003	Sang-Kab Park et al	Geriatric	obesity	3,0	body fat, lean body mass
603	Body Composition Assessment with Segmental Multifrequency Bioimpedance Method	Journal of Sports Science and Medicine	2003	Jukka A. Salmi	middle aged adults	Validation	3,0	LBM, FM
604	Effect of olfactory function on nutritional status of Korean elderly women	Nutrition Research	2003	Wha Young Kim et al	Geriatric	body composition (special group)	2,0	fat, muscle, BMD
605	Daily grape juice consumption reduces oxidative DNA damage and plasma free radical levels in healthy Koreans	Mutation Research	2003	Yoo Kyoung Park, Myung-Hee Kang et al	Adults	Diet	3,0	????
606	Bone mineral density correlates strongly with basal metabolic rate in postmenopausal women	Clinica chimica acta; international journal of clinical chemistry	2003	Jong Weon Choi, Soo Hwan Pai	Adults	orthopedic	3,0	FFM, TBW, FM, BMR
607	Treatment of Postmastectomy Lymphedema with Low-Level Laser Therapy	American Cancer Society	2003	Colin J. Carati et al	Adults	Lymphedema	3,0	TBW
608	Cross-calibration of eight-polar bioelectrical impedance analysis versus dual-energy X-ray absorptiometry for the assessment of total and appendicular body composition in healthy subjects aged 21–82 years	Annals of Human Biology	2003	M. Malavolti et al(Bedogni)	Adults	Validation	3,0	FFM, LTM

609	Agreement of body weight, body fat percentage values between two body composition analyzers	Nutrition Research	2003	Le Nguyen Trung Duc Son et al	Adults	Validation	21 21 21	PBF
610	Relationship between exercise performance and water distribution measured by new bioelectrical impedance analysis in patients with chronic obstructive pulmonary disease	Clin Physiol Funct Imaging	2003	Takashi Mamoto et al	Patients	COPD	3,0	ECW, ICW, TBW
611	Combined Opto-Electronic Perometry and Bioimpedance to Measure Objectively the Effectiveness of a New treatment Intervention for Chronic Secondary Leg Lymphedema	Lymphology	2002	A. Moseley et al	Adults	Lymphedema	3,0	TBW
612	Correlation between body composition and efficacy of Lateral Wedged Insoles for Medical compartment osteoarthritis of the knee	The Journal of Rheumatology	2002	Yoshitakatoda et al	Patients	rehabilitation	2,0	L-LBM/W
613	Body water Measurement with Segmental Bioelectrical Impedance Analysis on Assessment of dry weight in Hemodialysis patients	Korean Journal of Nephrology	2002	Seong Woo Lee	Dialysis patient	Renal disease	3,0	TBW
614	Accuracy of an eight-point tactile-electrode impedance method in the assessment of total body water	European Journal of Clinical Nutrition	2002	Bedogni G. et al	middle aged adults	Validation	3,0	TBW
615	Evaluation of Ideal Body Weight in Dialysis Patients Through Bioelectrical Impedance analysis	Acta Nephrologica	2002	Weng-Sheng TSAI, Yuh-Feng Lin et al	Patients	Renal disease	3,0	TBW
616	Sequential changes of body composition in patients with enterocutaneous fistula during the 10 days after admission	World Journal of Gastroenterology	2002	Xin-Bo Wang, Je Shou Li et al	ICU patients	body composition (special group)	3,0	BCM, ECW, TBW, FFM
617	Electrical resistivity of the upper arm and leg yields good estimates of whole body fat	Physiological Measurement	2001	James Giiiggs, Kichul Cha and Kenneth Horch	Adults	Validation	21 21 21	
618	Assessment of total body water from anthropometry-based equations using bioelectrical Impedance as reference in Korean adult control and haemodialysis subjects	Nephrology Dialysis Transplantation	2001	Seoung Woo Lee, Moon Jae Kim et al	Dialysis patient	Renal disease	2,0	TBW, ECW

619	Serial changes in body composition in patients with chronic renal failure on peritoneal dialysis(2722)	Japanese Journal of Nephrology	2001	Japanese Society of Nephrology	Dialysis patient	Renal disease	3,0	
620	The effect of energy restriction, walking, and exercise on lower extremity lean body mass in obese women with osteoarthritis of the knee	Journal of Orthopaedic Science	2001	Yoshitaka Toda	Adults	rehabilitation	2,0	PBF, LBM
621	Lean Body Mass and Body Fat Distribution in participants with Chronic Low Back Pain	Archives of Internal Medicine	2000	Yoshitaka Toda, Ryohei Ogawa et al	middle aged adults	rehabilitation	2,0	LBM
622	A Decline in Lower Extremity Lean Body Mass per Body weight is Characteristics of Women with Early Phase osteoarthritis of the knee	The Journal of Rheumatology	2000	Yoshitaka Toda, Fumie Toda et al		middle aged adults	rehabilitation	2,0
623	Measurement of fluid shift in CAPD patient using segmental bioelectrical impedance analysis	Peritoneal Dialysis International	1999	Peritoneal Dialysis International	Patients	Renal disease	2,0	Impedance
624	Evaluation of Segmental bioelectrical impedance analysis (SBIA) for measuring muscle distribution	J ICHPER. SD-ASIA.	1997	27 23	Adults	Validation	2,0	