

Publicaties der leden 2007

Analytisch: Hematologie

Badlou BA, Meer PF van der, Akkerman JW, Smid WM, Pietersz RN. Metabolic energy reduction by glucose deprivation and low gas exchange preserves platelet function after 48 h storage at 4 degrees C. *Vox Sang.* 2007; 92(4): 311-8.

Boekel E ten, Bock M, Vrieling GJ, Liem R, Hendriks H, Kieviet W de. Detection of shortened activated partial thromboplastin times: an evaluation of different commercial reagents. *Thromb Res.* 2007; 121(3): 361-7.

Cauwenberghs S, Pampus E van, Curvers J, Akkerman JW, Heemskerk JW. Hemostatic and signaling functions of transfused platelets. *Transfus Med Rev.* 2007; 21(4): 287-94.

Ceelle H, Dinkelaar RD, Gelder W van. Examination of peripheral blood films using automated microscopy; evaluation of diffmaster octavia and cellavision DM96. *J Clin Pathol.* 2007; 60(1): 72-9.

Kreijveld E, Koenen HJ, Hilbrands LB, Hooff HJ van, Joosten I. The immunosuppressive drug FK778 induces regulatory activity in stimulated human CD4+CD25- T cells. *Blood.* 2007; 109(1): 244-52.

Xu W, Schlagwein N, Roos A, Berg TK van den, Daha MR, Kooten C van. Human peritoneal macrophages show functional characteristics of M-CSF-driven anti-inflammatory type 2 macrophages. *Eur J Immunol.* 2007; 37(6): 1594-9.

Analytisch: Immunochemie

Cobbaert C, Michielsen E, Weykamp C, Baadenhuijsen H, Dieijen-Visser M van. Do NIST SRM 2921 and recombinant cTnI-based serum pools have potential to harmonize cTnI results? *Ned Tijdschr Klin Chem Labgeneesk* 2007; 32: 175-8.

Pelt J van, Romijn F, Dekter H, van Rossum H van, Smit N. Immunosuppressiva en hun doeleiwit. *Ned Tijdschr Klin Chem Labgeneesk* 2007; 32: 196-198.

Rossum HH van, Romijn FP, Lentz-Ljuboje R, Fijter JW de, Pelt J van. Monitoring of calcineurin activity under controlled systemic cyclosporine exposure after renal transplantation. *Ned Tijdschr Klin Chem Labgeneesk* 2007; 32: 272-273.

Analytisch: Klinische chemie

Bakker AJ, Mucke M. Gammopathy interference in clinical chemistry assays: mechanisms, detection and prevention. *Clin Chem Lab Med.* 2007; 45(9): 1240-3.

Bokenkamp A, Laarman CA, Braam KI, Wijk JA van, Kors WA, Kool M, Valk J de, Bouman AA, Spreuwenberg MD, Stoffel-Wagner B. Effect of corticosteroid therapy on low-molecular weight protein markers of kidney function. *Clin Chem.* 2007; 53(12): 2219-21.

Brinkman JW, Zeeuw D de, Gansevoort RT, Duker JJ, Kema IP, Jong PE de, Bakker SJ. Prolonged frozen storage of urine reduces the value of albuminuria for mortality prediction. *Clin Chem.* 2007; 53(1): 153-4.

Buijsch RA Op den, Plas A van de, Stolk LM, Christiaans MH, van Hooff JP, Undre NA, Dieijen-Visser MP van, Bekers O. Evaluation of limited sampling strategies for tacrolimus. *Eur J Clin Pharmacol.* 2007; 63(11): 1039-44.

Delanghe JR, Helander A, Wielders JP, Pekelharing JM, Roth HJ, Schellenberg F, Born C, Yagmur E, Gentzer W, Althaus H. Development and multicenter evaluation of the N latex CDT direct immunonephelometric assay for serum carbohydrate-deficient transferrin. *Clin Chem.* 2007; 53(6): 1115-21.

Demir A.Y., J.M.G. Bonfrere, E.G.W.M. Lentjes Harmonisation of CEA, CA 125, CA 15.3 and CA 19.9 assay results: a pilot study within the framework of the Dutch Project "Calibration 2000". *Ned Tijdschr Klin Chem Labgeneesk* 2007; 32: 252-4.

Dieijen-Visser MP van, Bons JAP, Boer D de, Wodzig KWH. Application of SELDI-TOF-MS in protein profiling: state of the art. *Ned Tijdschr Klin Chem Labgeneesk* 2007; 32: 88-93.

Haeck IM, Timmer-de Mik L, Lentjes EG, Buskens E, Hijnen DJ, Guikers C, Bruijnzeel-Koomen CA, de Bruin-Weller MS. Low basal serum cortisol in patients with severe atopic dermatitis: potent topical corticosteroids wrongfully accused. *Br J Dermatol.* 2007; 156(5): 979-85.

Huisman A, Solinge WW van. Comment on: A flow chart for the laboratory diagnosis of anaemia as requested by general practice *Ned Tijdschr Geneesk.* 2007; 151(42): 2326-32.

Janssen MJ, Gruyter HL de, Stappers PM, Velmans MH, Ouweland JM van den, Daal H van, Hampsink RM. Validation study of Axis-Shield carbohydrate-deficient transferrin (CDT) on ARCHITECT((R)) chemistry analyzer. *Clin Chem Lab Med.* 2007; 45(11): 1555-8.

Jeppsson JO, Arndt T, Schellenberg F, Wielders JP, Anton RF, Whitfield JB, Helander A. Toward standardization of carbohydrate-deficient transferrin (CDT) measurements: I. Analyte definition and proposal of a candidate reference method. *Clin Chem Lab Med.* 2007; 45(4): 558-62

Jong WH de, Graham KS, Molen JC van der, Links TP, Morris MR, Ross HA, Vries EG de, Kema IP. Plasma free metanephrine measurement using automated online solid-phase extraction HPLC tandem mass spectrometry. *Clin Chem.* 2007; 53(9): 1684-93.

Kema EH, Tjalsma H, Swinkels DW. Hepcidinmetingen in serum en urine met behulp van massaspectrometrie: analytische aspecten en klinische implicaties. *Ned Tijdschr Klin Chem Labgeneesk* 2007; 32: 261-3.

Kok RM, Smith DE, Barto R, Spijkerman AM, Teerlink T, Gellekink HJ, Jakobs C, Smulders YM. Global DNA methylation measured by liquid chromatography-tandem mass spectrometry: analytical technique, reference values and determinants in healthy subjects. *Clin Chem Lab Med.* 2007; 45(7): 903-11.

Leers MP, Kleinveld HA, Scharnhorst V. Differentiating transudative from exudative pleural effusion: should we measure effusion cholesterol dehydrogenase? *Clin Chem Lab Med.* 2007; 45(10): 1332-8.

Ouweland JM van den, Church S. High total protein impairs appropriate gel barrier formation in BD Vacutainer blood collection tubes. *Clin Chem.* 2007; 53(2): 364-5.

Rautenberg MW, Lentjes EGWM. Bepaling van fertiliteits-hormonen anno 2006. *Ned Tijdschr Klin Chem Labgeneesk* 2007; 32: 42-6.

Rossum AP van, Steen G, Castel A. Het belang van de serum-ascites-albuminegradiënt (SAAG) en de telling van het aantal polymorfonucleaire cellen in het ascitesonderzoek. *Ned Tijdschr Klin Chem Labgeneesk* 2007; 32: 228-32.

Russcher H, Lindemans J, Boonstra JG. De bepaling van isoenzymen van alkalische fosfatase: negen bijzondere migratiepatronen. *Ned Tijdschr Klin Chem Labgeneesk* 2007; 32: 159-64.

Schenk PW, Cransberg K, Wolff ED, Rijke YB de. Point-of-care creatinine testing in children at risk for sudden deterioration of renal function. *Clin Chem Lab Med*. 2007; 45(11): 1536-41.

Teerlink T, Scheffer PG. LDL particles are nonspherical: consequences for size determination and phenotypic classification. *Clin Chem*. 2007; 53(2): 361-2.

Teerlink T. HPLC analysis of ADMA and other methylated L-arginine analogs in biological fluids. *J Chromatogr B Analyt Technol Biomed Life Sci*. 2007; 851(1-2): 21-9.

Thienpont LM, Beastall G, Christofides ND, Faix JD, Ieiri T, Miller WG, Miller R, Nelson JC, Ross HA, Ronin C, Rottmann M, Thijssen JH, Toussaint B. IFCC Scientific Division. Measurement of free thyroxine in laboratory medicine--proposal of measurand definition. *Clin Chem Lab Med*. 2007; 45(4): 563-4.

Vermeer HJ, Steen G, Naus AJ, Goevaerts B, Agricola PT, Schoenmakers CH. Correction of patient results for Beckman Coulter LX-20 assays affected by interference due to hemoglobin, bilirubin or lipids: a practical approach. *Clin Chem Lab Med*. 2007; 45(1): 114-9.

Verschraegen I, Anckaert E, Schiettecatte J, Mees M, Garrido A, Hermsen D, Lentjes EG, Liebert A, Roth HJ, Stamminger G, Smits J. Multicenter evaluation of a rapid electrochemiluminescent adrenocorticotrophic hormone (ACTH) immunoassay. *Clin Chim Acta*. 2007; 380(1-2): 75-80.

Weerth C de, Jansen J, Vos MH, Maitimu I, Lentjes EG. A new device for collecting saliva for cortisol determination. *Psychoneuroendocrinology*. 2007; 32(8-10): 1144-8.

Analytisch: Moleculaire technieken

Buijsch RA op den, Christiaans MH, Stolk LM, Vries JE de, Cheung CY, Undre NA, Hooff JP van, Dieijen-Visser MP van, Bekers O. Tacrolimus pharmacokinetics and pharmacogenetics: influence of adenosine triphosphate-binding cassette B1 (ABCB1) and cytochrome (CYP) 3A polymorphisms. *Fundam Clin Pharmacol*. 2007; 21(4): 427-35.

Huijsmans CJ, Heilmann FG, Zanden AG van der, Schneeberger PM, Hermans MH. Single nucleotide polymorphism profiling assay to exclude serum sample mix-up. *Vox Sang*. 2007; 92(2): 148-53.

Huijsmans R, Damen J, Linden H van der, Hermans M. Single nucleotide polymorphism profiling assay to confirm the identity of human tissues. *J Mol Diagn*. 2007; 9(2): 05-13.

Kemna EH, Tjalsma H, Podust VN, Swinkels DW. Mass spectrometry-based hepcidin measurements in serum and urine: analytical aspects and clinical implications. *Clin Chem*. 2007; 53(4): 620-8.

Kruit A, Grutters JC, Gerritsen WB, Kos S, Wodzig WK, Bosch JM van den, Ruven HJ. ACE I/D-corrected Z-scores to identify normal and elevated ACE activity in sarcoidosis. *Respir Med*. 2007; 101(3): 510-5.

Llerena A, Michel G, Jeannesson E, Wong S, Manolopoulos VG, Hockett RD, Boubekeur K, Siest G, Beaune P, Haefliger C, Arnold HP, Junien C, Petrovic N, Molloy R, Bekers O, Donnelly C, Arens HJ, Kaput J, McComb J. Third Santorini conference pharmacogenomics workshop report: "Pharmacogenomics at the crossroads: what else than good science will be needed for the field to become part of Personalized Medicine?". *Clin Chem Lab Med*. 2007; 45(7): 843-50.

Verzyl A, Heide R, Oranje AP, Schaik RH van. C-kit Asp-816-Val Mutation Analysis in Patients with Mastocytosis. *Dermatology*. 2007; 214(1): 15-20.

Weide J van der, Hinrichs JWJ. Personalized Medicine: Pharmacogenetics in Psychiatry. *Cur Pharm* 2007; 5(4): 1-11.

Weide J van der, Hinrichs JWJ. The Utility of genotyping in the diagnosis of late onset Alzheimer's Disease in the geriatric setting. *Tijdschr BVL* 2007; 34(5): 1-8.

Wijnen PA, Buijsch RA op den, Drent M, Kuipers PM, Neef C, Bast A, Bekers O, Koek GH. Review article: The prevalence and clinical relevance of cytochrome P450 polymorphisms. *Aliment Pharmacol Ther*. 2007; 26 Suppl 2: 211-9.

Bedrijfsvoering: Dienstverlening

Vermeer HJ. Laboratoriumbepalingen: alles outsourcen maar? *Analyse* 2007: 32.

Bedrijfsvoering: Diversen

Demir-Weusten AY, Seval Y, Kaufmann P, Demir R, Yucel G, Huppertz B. Matrix metalloproteinases-2, -3 and -9 in human term placenta. *Acta Histochem*. 2007; 109(5): 403-12.

Bedrijfsvoering: Kwaliteit / Automatisering / Statistiek

Berg MJ ten, Huisman A, Bemt PM van den, Schobben AF, Egberts AC, Solinge WW van. Linking laboratory and medication data: new opportunities for pharmacoepidemiological research. *Clin Chem Lab Med*. 2007; 45(1): 13-9.

Huisman W, Horvath AR, Burnett D, Blaton V, Czikkely R, Jansen RT, Kallner A, Kenny D, Mesko P, Plebani M, Queralto J, Schumann G, Sprongl L, Vitkus D, Wallinder H, Zerah S. Accreditation of medical laboratories in the European Union. *Clin Chem Lab Med*. 2007; 45(2): 268-75.

Janssens PMW, Cheung KS, Bancsi L, Blokzijl E. Accreditatie van het fertiliteitslaboratorium: wat maakt het bijzonder? *Ned Tijdschr Klin Chem Labgeneesk*. 2007; 32: 52-8.

Janssens PMW, Cheung KS. Risicoanalyse en risicomanagement in het fertiliteitslaboratorium. *Ned Tijdschr Klin Chem Labgeneesk*. 2007; 32: 58-63.

Janssens PMW, Ruinemans-Koerts J, Telting D, Verhaagen J, Willekens FLA, Gerritsen GWJ. Kosten en baten van Kwaliteitsmanagement en Accreditatie in een Klinisch Chemisch Laboratorium. *Ned Tijdschr Klin Chem Labgeneesk*. 2007; 32: 237-43.

Oosterhuis WP, Kleinveld HA. 'Reflecterend' testen: het laboratorium ondersteunt de huisarts actief met professioneel vervolgonderzoek. *Ned Tijdschr Klin Chem Labgeneesk*. 2007; 32: 266-7.

Oosterhuis WP, Ulenkate HJ, Dongen K van, Horst J van der, Punt J, Volmer W, Wulkan RW. Richtlijn voor de procedure van het goedkeuren van laboratoriumuitslagen. *Ned Tijdschr Klin Chem Labgeneesk*. 2007; 32: 243-9.

Swinkels DW, Jorna AT, Raymakers RA. Synopsis of the Dutch multidisciplinary guideline for the diagnosis and treatment of hereditary haemochromatosis. *Neth J Med*. 2007; 65(11): 452-5.

Bedrijfsvoering: Point-of-care-testing

Wilpe S van, Jurriaans S, Stroobants AK, Brouwer J, Berkhout B, Sturk A. Toepassing van een HIV-sneltest in de praktijk. *Ned Tijdschr Klin Chem Labgeneesk*. 2007; 32: 232-6.

Klinisch: Allergie / infectieziekten

Bencini MA, Brule AJ van den, Claas EC, Hermans MH, Melchers WJ, Noordhoek GT, Salimans MM, Schirm J, Vink C, Zee A van der, Jansen R. Multicenter comparison of molecular methods for detection of *Legionella* spp. in sputum samples. *J Clin Microbiol.* 2007; 45(10): 3390-2.

Bons JA, Drent M, Bouwman FG, Mariman EC, Dieijen-Visser MP van, Wodzig WK. Potential biomarkers for diagnosis of sarcoidosis using proteomics in serum. *Respir Med.* 2007; 101(8): 1687-95.

Bons JAP, Dieijen-Visser MP van, Wodzig WKWH. Clinical proteomics in chronic inflammatory disease. *Proteomics - Clinical Applications* 2007; 1(9): 1123-33.

Devillers AC, Toorenenbergen AW van, Klein Heerenbrink GJ, Muldert PG, Oranje AP. Elevated levels of plasma matrix metalloproteinase-9 in patients with atopic dermatitis: a pilot study. *Clin Exp Dermatol.* 2007; 32(3): 311-3.

Groeneveld TW, Ramwadhoebe TH, Trouw LA, Ham DL van den, Borden V van der, Drijfhout JW, Hiemstra PS, Daha MR, Roos A. Human neutrophil peptide-1 inhibits both the classical and the lectin pathway of complement activation. *Mol Immunol.* 2007; 44(14): 3608-14.

Kemna EH, Pickkers P, Tjalsma H, Swinkels DW. Nitric oxide does not contribute to inflammation-induced hypoferrremia in humans. *Acta Haematol.* 2007; 118(3): 149-52.

Krediet TG, Wiertsema SP, Vossers MJ, Hoeks SB, Fleer A, Ruven HJ, Rijkers GT. Toll-like Receptor 2 Polymorphism Is Associated With Preterm Birth. *Pediatr Res.* 2007; 62(4): 474-6.

Kruit A, Grutters JC, Ruven HJ, Moorsel CC van, Bosch JM van den. A CHI3L1 gene polymorphism is associated with serum levels of YKL-40, a novel sarcoidosis marker. *Respir Med.* 2007; 101(7): 1563-71.

Robroeks CM, Kant KD van de, Jobsis Q, Hendriks HJ, Gent R van, Wouters EF, Damoiseaux JG, Bast A, Wodzig WK, Dompeling E. Exhaled nitric oxide and biomarkers in exhaled breath condensate indicate the presence, severity and control of childhood asthma. *Clin Exp Allergy.* 2007; 37(9): 1303-11.

Smit LA, Bongers SI, Ruven HJ, Rijkers GT, Wouters IM, Heederik D, Omland O, Sigsgaard T. Atopy and new-onset asthma in young Danish farmers and CD14, TLR2, and TLR4 genetic polymorphisms: a nested case-control study. *Clin Exp Allergy.* 2007; 37(11): 1602-8.

Spagnolo P, Sato H, Grutters JC, Renzoni EA, Marshall SE, Ruven HJ, Wells AU, Tzouveleki A, Moorsel CH van, Bosch JM van den, Bois RM du, Welsh KI. Analysis of BTNL2 genetic polymorphisms in British and Dutch patients with sarcoidosis. *Tissue Antigens.* 2007; 70(3): 219-27.

Veltkamp M, Wijnen PA, van Moorsel CH, Rijkers GT, Ruven HJ, Heron M, Bekers O, Claessen AM, Drent M, van den Bosch JM, Grutters JC. Linkage between Toll-like receptor (TLR) 2 promoter and intron polymorphisms: functional effects and relevance to sarcoidosis. *Clin Exp Immunol.* 2007; 149(3): 453-62.

Klinisch: Endocrinologie

Ballieux BE. IGF-1 en IGF-BP3. Leefstijdsafhankelijke referentiewaarden en methode verschillen. *Ned Tijdschr Klin Chem Labgeneesk.* 2007; 32: 32-8.

Biermasz NR, Smit JW, Pereira AM, Frolich M, Romijn JA, Roelfsema F. Acromegaly caused by growth hormone-releasing hormone-producing tumors: long-term observational studies in three patients. *Pituitary.* 2007; 10(3): 237-49.

Bisschop PH, Klein S, Ackermans MT, Patterson BW, Endert E, van Lanschot JJ, Romijn JA, Sauerwein HP. Pre-operative nutritional status does not alter the metabolic response to major

gastrointestinal surgery in patients with oesophageal cancer. *Br J Nutr.* 2007; 98(1): 181-6.

Claahsen-van der Grinten HL, Otten BJ, Sweep FC, Hermus AR. Repeated successful induction of fertility after replacing hydrocortisone with dexamethasone in a patient with congenital adrenal hyperplasia and testicular adrenal rest tumors. *Fertil Steril.* 2007; 88(3): 705.e5-8.

Claahsen-van der Grinten HL, Otten BJ, Sweep FC, Span PN, Ross HA, Meuleman EJ, Hermus AR. Testicular tumors in patients with congenital adrenal hyperplasia due to 21-hydroxylase deficiency show functional features of adrenocortical tissue. *J Clin Endocrinol Metab.* 2007; 92(9): 3674-80.

Claahsen-van der Grinten HL, Otten BJ, Takahashi S, Meuleman EJ, Hulsbergen-van de Kaa C, Sweep FC, Hermus AR. Testicular adrenal rest tumors in adult males with congenital adrenal hyperplasia: evaluation of pituitary-gonadal function before and after successful testis-sparing surgery in eight patients. *J Clin Endocrinol Metab.* 2007; 92(2): 612-5.

Claahsen-van der Grinten HL, Sweep FC, Blickman JG, Hermus AR, Otten BJ. Prevalence of testicular adrenal rest tumours in male children with congenital adrenal hyperplasia due to 21-hydroxylase deficiency. *Eur J Endocrinol.* 2007; 157(3): 339-44.

Dullaart RP, Vries R de, Roozendaal C, Muller Kobold AC, Sluiter WJ. Carotid artery intima media thickness is inversely related to serum free thyroxine in euthyroid subjects. *Clin Endocrinol (Oxf).* 2007; 67(5): 668-73.

Ebisch IM, Steegers-Theunissen RP, Sweep FC, Zielhuis GA, Geurts-Moespot A, Thomas CM. Possible role of the plasminogen activation system in human subfertility. *Fertil Steril.* 2007; 87(3): 619-26.

Egging DF, Peeters AC, Grebenchtchikov N, Geurts-Moespot A, Sweep CG, Heijer M den, Schalkwijk J. Identification and characterization of multiple species of tenascin-X in human serum. *FEBS J.* 2007; 274(5): 1280-9.

Emonts M, Sweep FC, Grebenchtchikov N, Geurts-Moespot A, Knaup M, Chanson AL, Erard V, Renner P, Hermans PW, Hazelzet JA, Calandra T. Association between high levels of blood macrophage migration inhibitory factor, inappropriate adrenal response, and early death in patients with severe sepsis. *Clin Infect Dis.* 2007; 44(10): 1321-8.

Essen HW van, Holzmann PJ, Blankenstein MA, Lips P, Bravenboer N. Effect of raloxifene treatment on osteocyte apoptosis in postmenopausal women. *Calcif Tissue Int.* 2007; 81(3): 183-90.

Finken MJ, Meulenbelt I, Dekker FW, Frolich M, Romijn JA, Slagboom PE, Wit JM; Dutch POPS-19 Collaborative Study Group. The 23K variant of the R23K polymorphism in the glucocorticoid receptor gene protects against postnatal growth failure and insulin resistance after preterm birth. *J Clin Endocrinol Metab.* 2007; 92(12): 4777-82.

Ginneken V van, Ballieux B, Antonissen E, Linden R van der, Gluvers A, Thillart G van den. Direct calorimetry of free-moving eels with manipulated thyroid status. *Naturwissenschaften.* 2007; 4(2): 128-33.

Heijckmann AC, Huijberts MS, Vries J de, Menheere PP, Veer E van der, Kruseman AC, Wolffenbuttel BH, Geusens P, Drent M. Bone turnover and hip bone mineral density in patients with sarcoidosis. *Sarcoidosis Vasc Diffuse Lung Dis.* 2007; 24(1): 51-8.

Hovens GC, Heemstra KA, Buiting AM, Stokkel MP, Karperien M, Ballieux BE, Pereira AM, Romijn JA, Smit JW. Induction of stimulating thyrotropin receptor antibodies after radioiodine therapy for toxic multinodular goitre and Graves' disease measured with a novel bioassay. *Nucl Med Commun.* 2007; 28(2): 123-7.

- Kerkmeijer LG, Wielsma S, Massuger LF, Sweep FC, Thomas CM. Recurrent gestational trophoblastic disease after hCG normalization following hydatidiform mole in The Netherlands. *Gynecol Oncol.* 2007; 106(1): 142-6.
- Kibiki GS, Ven AJ van der, Geurts-Moespot A, Shao J, Calandra T, Sweep FC, Dolmans WM. Serum and BAL macrophage migration inhibitory factor levels in HIV infected Tanzanians with pulmonary tuberculosis or other lung diseases. *Clin Immunol.* 2007; 123(1): 60-5.
- Klaauw AA van der, Biermasz NR, Zelissen PM, Pereira AM, Lentjes EG, Smit JW, Thiel SW van, Romijn JA, Roelfsema F. Administration route-dependent effects of estrogens on IGF-I levels during fixed GH replacement in women with hypopituitarism. *Eur J Endocrinol.* 2007; 157(6): 709-16.
- Klaauw AA van der, Pereira AM, Thiel SW van, Frolich M, Iranmanesh A, Veldhuis JD, Roelfsema F, Romijn JA. Attenuated pulse size, disorderly growth hormone and prolactin secretion with preserved nyctohemeral rhythm distinguish irradiated from surgically treated acromegaly patients. *Clin Endocrinol (Oxf).* 2007; 66(4): 489-98.
- Kloet CS de, Vermetten E, Heijnen CJ, Geuze E, Lentjes EG, Westenberg HG. Enhanced cortisol suppression in response to dexamethasone administration in traumatized veterans with and without posttraumatic stress disorder. *Psychoneuroendocrinology.* 2007; 32(3): 215-26.
- Kuijper EA, Lambalk CB, Boomsma DI, Sluis S van der, Blankenstein MA, Geus EJ de, Posthuma D. Heritability of reproductive hormones in adult male twins. *Hum Reprod.* 2007; 22(8): 2153-9.
- Kwaijtaal M, Ven AJ van der, Diest R van, Bruggeman CA, Bar FW, Calandra T, Appels A, Sweep FC. Exhaustion is associated with low macrophage migration inhibitory factor expression in patients with coronary artery disease. *Psychosom Med.* 2007; 69(1): 68-73.
- Langeveld M, Endert E, Wiersinga WM, Aerts JM, Hollak CE. Hypermetabolism in Gaucher disease type I is not associated with altered thyroid hormone levels. *J Inherit Metab Dis.* 2007; 30(6): 985.
- Lenders JW, Willemsen JJ, Eisenhofer G, Ross HA, Pacak K, Timmers HJ, Sweep CG. Is supine rest necessary before blood sampling for plasma metanephrines? *Clin Chem.* 2007; 53(2): 352-4.
- Lentjes EG. Thyreoglobuline in de externe kwaliteitsbewaking en eerste resultaten van een harmonisatie-experiment *Ned Tijdschr Klin Chem Labgeneesk.* 2007; 32: 28-32.
- Oei AL, Boerman OC, Geurts-Moespot A, Erd JE van, Tienoven D van, Courtenay-Luck N, Thomas CM, Massuger LF, Sweep FC. Development of ELISAs for quantification of HMFG1-specific human anti-mouse IgG and IgM antibodies. *Int J Biol Markers.* 2007; 22(3): 167-71.
- Reijnders CM, Bravenboer N, Holzmann PJ, Bhoelan F, Blankenstein MA, Lips P. In vivo mechanical loading modulates insulin-like growth factor binding protein-2 gene expression in rat osteocytes. *Calcif Tissue Int.* 2007; 80(2): 137-43.
- Reijnders CM, Bravenboer N, Tromp AM, Blankenstein MA, Lips P. Effect of mechanical loading on insulin-like growth factor-I gene expression in rat tibia. *J Endocrinol.* 2007; 192(1): 131-40.
- Serlie MJ, Meijer AJ, Groener JE, Duran M, Endert E, Fliers E, Aerts JM, Sauerwein HP. Short-term manipulation of plasma free fatty acids does not change skeletal muscle concentrations of ceramide and glucosylceramide in lean and overweight subjects. *J Clin Endocrinol Metab.* 2007; 92(4): 1524-9.
- Smeenk JM, Sweep FC, Zielhuis GA, Kremer JA, Thomas CM, Braat DD. Antimüllerian hormone predicts ovarian responsiveness, but not embryo quality or pregnancy, after in vitro fertilization or intracytoplasmic sperm injection. *Fertil Steril.* 2007; 87(1): 223-6.
- Sprong T, Pickkers P, Geurts-Moespot A, van der Ven-Jongekrijg J, Neeleman C, Knaup M, Leroy D, Calandra T, van der Meer JW, Sweep F, van Deuren M. Macrophage migration inhibitory factor (MIF) in meningococcal septic shock and experimental human endotoxemia. *Shock.* 2007; 27(5): 482-7.
- Stellinga-Boelen AA, Wiegersma PA, Storm H, Bijleveld CM, Verkade HJ. Vitamin D levels in children of asylum seekers in The Netherlands in relation to season and dietary intake. *Eur J Pediatr.* 2007; 166(3): 201-6.
- Thijssen JH. Long-term effects of progestins on bone quality and fractures. *Gynecol Endocrinol.* 2007 Oct; 23 Suppl 1: 45-52.
- Vos tot Nederveen Cappel R de, Bouvy N, Herder W de, Rijke de Y, Toor H van, Bonjer J. Novel criteria for parathyroid hormone levels in parathyroid hormone-guided parathyroid surgery. *Arch Pathol Lab Med.* 2007; 131(12): 1800-4.
- Willemsen JJ, Ross HA, Lenders JW, Sweep FC. Stability of urinary fractionated metanephrines and catecholamines during collection, shipment, and storage of samples. *Clin Chem.* 2007; 53(2): 268-72.
- Willemsen RH, Dijk M van, Rijke YB de, Toorenbergen AW van, Mulder PG, Hokken-Koelega AC. Effect of growth hormone therapy on serum adiponectin and resistin levels in short, small-for-gestational-age children and associations with cardiovascular risk parameters. *J Clin Endocrinol Metab.* 2007; 92(1): 117-23.

Klinisch: Erfelijke stofwisselingsziekten

- Adamowicz M, Ploski R, Rokicki D, Morava E, Gizewska M, Mierzewska H, Pollak A, Lefeber DJ, Wevers RA, Pronicka E. Transferrin hypoglycosylation in hereditary fructose intolerance: using the clues and avoiding the pitfalls. *J Inherit Metab Dis.* 2007; 30(3): 407.
- Almeida LS, Vilarinho L, Darmin PS, Rosenberg EH, Martinez-Munoz C, Jakobs C, Salomons GS. A prevalent pathogenic GAMT mutation (c.59G>C) in Portugal. *Mol Genet Metab.* 2007; 91(1): 1-6.
- Augoustides-Savvopoulou P, Salomons GS, Dotis J, Roilides E, Leontini M, Jakobs C, Panteliadis C. Mutation analysis a prerequisite for prenatal diagnosis of L-2-hydroxyglutaric aciduria? *Mol Genet Metab.* 2007; 91(4): 399-401.
- Barcelo-Coblijn G, Murphy EJ, Mills K, Winchester B, Jakobs C, Snead OC 3rd, Gibson KM. Lipid abnormalities in succinate semialdehyde dehydrogenase (Aldh5a1^{-/-}) deficient mouse brain provide additional evidence for myelin alterations. *Biochim Biophys Acta.* 2007; 1772(5): 556-62.
- Bergmans JP, Kemna EH, Janssen MC, Jacobs EM, Stalenhoef AF, Marx JJ, Swinkels DW. Hereditary haemochromatosis: novel genes, novel diseases and hepcidin. *Ned Tijdschr Geneesk.* 2007; 151(20): 1121-7.
- Bierau J, Lindhout M, Bakker JA. Pharmacogenetic significance of inosine triphosphatase. *Pharmacogenomics.* 2007; 8(9): 1221-8.
- Bok LA, Struys E, Willemsen MA, Been JV, Jakobs C. Pyridoxine-dependent seizures in Dutch patients: diagnosis by elevated urinary alpha-amino adipic semialdehyde levels. *Arch Dis Child.* 2007; 92(8): 687-9.
- Bredius RG, Laan LA, Lankester AC, Poorthuis BJ, Tol MJ van, Egeler RM, Arts WF. Early marrow transplantation in a pre-symptomatic neonate with late infantile metachromatic leukodystrophy does not halt disease progression. *Bone Marrow Transplant.* 2007; 39(5): 309-10.
- Brouwer AP de, Williams KL, Duley JA, van Kuilenburg AB, Nabuurs SB, Egmont-Petersen M, Lugtenberg D, Zoetekouw L, Banning MJ, Roeffen M, Hamel BC, Weaving L, Ouvrier RA, Donald JA, Wevers RA, Christodoulou J, Bokhoven H van. Arts syndrome is caused by loss-of-function mutations in PRPS1. *Am J Hum Genet.* 2007; 81(3): 507-18.

- Carozzo R, Dionisi-Vici C, Steuerwald U, Luciola S, Deodato F, Di Giandomenico S, Bertini E, Franke B, Kluijtmans LA, Meschini MC, Rizzo C, Piemonte F, Rodenburg R, Santer R, Santorelli FM, Rooij A van, Vermunt-de Koning D, Morava E, Wevers RA. SUCLA2 mutations are associated with mild methylmalonic aciduria, Leigh-like encephalomyopathy, dystonia and deafness. *Brain*. 2007; 130(Pt 3): 862-74.
- Crisponi L, Crisponi G, Meloni A, Toliat MR, Nurnberg G, Usala G, Uda M, Masala M, Hohne W, Becker C, Marongiu M, Chiappe F, Kleta R, Rauch A, Wollnik B, Strasser F, Reese T, Jakobs C, Kurlmann G, Cao A, Nurnberg P, Rutsch F. Crisponi syndrome is caused by mutations in the CRLF1 gene and is allelic to cold-induced sweating syndrome type 1. *Am J Hum Genet*. 2007; 80(5): 971-81.
- Dijk BA van, Kemna EH, Tjalsma H, Klaver SM, Wiegerinck ET, Goossens JP, Slee PH, Breuning MH, Swinkels DW. Effect of the new HJV-L165X mutation on penetrance of HFE. *Blood*. 2007; 109(12): 5525-6.
- Evangelou A, Papadopoulou-Legbelou K, Daphnis E, Ganotakis E, Vavouranakis I, Michailidou H, Hitoglou-Makedou A, Nicolaidou P, Wevers R, Varlamis G. Cardiac manifestations of inborn errors of metabolism. *Minerva Pediatr*. 2007; 59(3): 215-8.
- Gloerich J, Brink DM van den, Ruiters JP, Vlies N van, Vaz FM, Wanders RJ, Ferdinandusse S. Metabolism of phytol to phytanic acid in the mouse, and the role of PPARalpha in its regulation. *J Lipid Res*. 2007; 48(1): 77-85.
- Gloerich J, Wevers RA, Smeitink JA, van Engelen BG, Heuvel LP van den. Proteomics approaches to study genetic and metabolic disorders. *J Proteome Res*. 2007; 6(2): 506-12.
- Groener JE, Poorthuis BJ, Kuiper S, Helmond MT, Hollak CE, Aerts JM. HPLC for simultaneous quantification of total ceramide, glucosylceramide, and ceramide trihexoside concentrations in plasma. *Clin Chem*. 2007; 53(4): 742-7.
- Gellekink H, Blom HJ, Linden IJ van de, Heijer M den. Molecular genetic analysis of the human dihydrofolate reductase gene: relation with plasma total homocysteine, serum and red blood cell folate levels. *Eur J Hum Genet*. 2007; 14: 103-9.
- Jacobs EM, Hendriks JC, Marx JJ, Deursen CT van, Kreeftenberg HG, de Vries RA, Stalenoef AF, Verbeek AL, Swinkels DW. Morbidity and mortality in first-degree relatives of C282Y homozygous probands with clinically detected haemochromatosis compared with the general population: the Hemochromatosis Family Study (HEFAS). *Neth J Med*. 2007; 65(11): 425-33.
- Jacobs EM, Verbeek AL, Kreeftenberg HG, van Deursen CT, Marx JJ, Stalenoef AF, Swinkels DW, Vries RA de. Changing aspects of HFE-related hereditary haemochromatosis and endeavours to early diagnosis. *Neth J Med*. 2007; 65(11): 419-24.
- Kamp JM van de, Lefeber DJ, Ruijter GJ, Steggerda SJ, Hollander NS den, Willems SM, Matthijs G, Poorthuis BJ, Wevers RA. Congenital Disorder of Glycosylation type Ia presenting with hydrops fetalis. *J Med Genet*. 2007; 44(4): 277-80.
- Knerr I, Gibson KM, Ganesh J, Bennett MJ, Salomons GS, Jakobs C, Myers SM. Diagnostic challenges in a severely delayed infant with hypersomnolence, failure to thrive and arteriopathy: a unique case of gamma-hydroxybutyric aciduria and Williams syndrome. *Am J Med Genet B Neuropsychiatr Genet*. 2007; 144(7): 946-8.
- Knerr I, Pearl PL, Bottiglieri T, Snead OC, Jakobs C, Gibson KM. Therapeutic concepts in succinate semialdehyde dehydrogenase (SSADH; ALDH5a1) deficiency (gamma-hydroxybutyric aciduria). Hypotheses evolved from 25 years of patient evaluation, studies in *Aldh5a1*^{-/-} mice and characterization of gamma-hydroxybutyric acid. *J Inherit Metab Dis*. 2007; 30(3): 279-94.
- Loupatty FJ, Clayton PT, Ruiters JP, Ofman R, Ijlst L, Brown GK, Thorburn DR, Harris RA, Duran M, Desousa C, Krywawych S, Heales SJ, Wanders RJ. Mutations in the Gene Encoding 3-Hydroxyisobutyryl-CoA Hydrolase Results in Progressive Infantile Neurodegeneration. *Am J Hum Genet*. 2007; 80(1): 195-9.
- Mancardi MM, Caruso U, Schiaffino MC, Baglietto MG, Rossi A, Battaglia FM, Salomons GS, Jakobs C, Zara F, Veneselli E, Gaggero R. Severe epilepsy in X-linked creatine transporter defect (CRTR-D). *Epilepsia*. 2007; 48(6): 1211-3.
- Morava E, Zeevaert R, Korsch E, Huijben K, Wopereis S, Matthijs G, Keymolen K, Lefeber DJ, De Meirleir L, Wevers RA. A common mutation in the COG7 gene with a consistent phenotype including microcephaly, adducted thumbs, growth retardation, VSD and episodes of hyperthermia. *Eur J Hum Genet*. 2007; 15(6): 638-45.
- Morris AA, Appleton RE, Power B, Isherwood DM, Abernethy LJ, Taylor RW, Turnbull DM, Verhoeven NM, Salomons GS, Jakobs C. Guanidinoacetate methyltransferase deficiency masquerading as a mitochondrial encephalopathy. *J Inherit Metab Dis*. 2007; 30(1): 100.
- Penderis J, Calvin J, Abramson C, Jakobs C, Pettitt L, Binns MM, Verhoeven NM, O'Driscoll E, Platt SR, Mellersh CS. L-2-hydroxyglutaric aciduria: characterisation of the molecular defect in a spontaneous canine model. *J Med Genet*. 2007; 44(5): 334-40.
- Platt S, McGrotty YL, Abramson CJ, Jakobs C. Refractory seizures associated with an organic aciduria in a dog. *J Am Anim Hosp Assoc*. 2007; 43(3): 163-7.
- Plecko B, Paul K, Paschke E, Stoeckler-Ipsiroglu S, Struys E, Jakobs C, Hartmann H, Luecke T, di Capua M, Korenke C, Hikel C, Reutershahn E, Freilinger M, Baumeister F, Bosch F, Erwa W. Biochemical and molecular characterization of 18 patients with pyridoxine-dependent epilepsy and mutations of the antiquitin (ALDH7A1) gene. *Hum Mutat*. 2007; 28(1): 19-26.
- Rosenberg EH, Martinez Munoz C, Betsalel OT, Dooren SJ van, Fernandez M, Jakobs C, Grauw TJ de, Kleefstra T, Schwartz CE, Salomons GS. Functional characterization of missense variants in the creatine transporter gene (SLC6A8): improved diagnostic application. *Hum Mutat*. 2007; 28(9): 890-6.
- Salomons GS, Bok LA, Struys EA, Pope LL, Darmin PS, Mills PB, Clayton PT, Willemsen MA, Jakobs C. An intriguing "silent" mutation and a founder effect in antiquitin (ALDH7A1). *Ann Neurol*. 2007; 62(4): 414-8.
- Sauer SW, Kolker S, Hoffmann GF, Ten Brink HJ, Jakobs C, Gibson KM, Okun JG. Enzymatic and metabolic evidence for a region specific mitochondrial dysfunction in brains of murine succinic semialdehyde dehydrogenase deficiency (*Aldh5a1*^{-/-} mice). *Neurochem Int*. 2007; 50(4): 653-9.
- Schollen E, Keldermans L, Foulquier F, Briones P, Chabas A, Sanchez-Valverde F, Adamowicz M, Pronicka E, Wevers R, Matthijs G. Characterization of two unusual truncating PMM2 mutations in two CDG-Ia patients. *Mol Genet Metab*. 2007; 90(4): 408-13.
- Struys EA, Gibson KM, Jakobs C. Novel insights into L-2-hydroxyglutaric aciduria: mass isotopomer studies reveal 2-oxoglutaric acid as the metabolic precursor of L-2-hydroxyglutaric acid. *J Inherit Metab Dis*. 2007; 30(5): 690-3.
- Tylki-Szymanska A, Czartoryska B, Vanier MT, Poorthuis BJ, Groener JA, Lugowska A, Millat G, Vaccaro AM, Jurkiewicz E. Non-neuronopathic Gaucher disease due to saposin C deficiency. *Clin Genet*. 2007; 72(6): 538-42.
- Vedder AC, Gerdes VE, Poorthuis BJ, Helmond M, Trip MD, Aerts JM, Hollak CE. Failure to detect Fabry patients in a cohort of prematurely atherosclerotic males. *J Inherit Metab Dis*. 2007; 30(6): 988.

- Verbeek MM, Geurtz PB, Willemsen MA, Wevers RA. Aromatic L-amino acid decarboxylase enzyme activity in deficient patients and heterozygotes. *Mol Genet Metab.* 2007; 90(4): 363-9.
- Verbeek MM, Steenbergen-Spanjers GC, Willemsen MA, Hol FA, Smeitink J, Seeger J, Grattan-Smith P, Ryan MM, Hoffmann GF, Donati MA, Blau N, Wevers RA. Mutations in the cyclic adenosine monophosphate response element of the tyrosine hydroxylase gene. *Ann Neurol.* 2007; 62(4): 422-6.
- Verbruggen KT, Knijff WA, Soorani-Lunsing RJ, Sijens PE, Verhoeven NM, Salomons GS, Goorhuis-Brouwer SM, van Spronsen FJ. Global developmental delay in guanidionacetate methyltransferase deficiency: differences in formal testing *Eur J Pediatr.* 2007; 166(9): 921-5.
- Verbruggen KT, Sijens PE, Schulze A, Lunsing RJ, Jakobs C, Salomons GS, Spronsen FJ van. Successful treatment of a guanidinoacetate methyltransferase deficient patient: findings with relevance to treatment strategy and pathophysiology. *Mol Genet Metab.* 2007; 91(3): 294-6.
- Vermeer S, Kremer HP, Leijten QH, Scheffer H, Matthijs G, Wevers RA, Knoers NA, Morava E, Lefeber DJ. Cerebellar ataxia and congenital disorder of glycosylation Ia (CDG-Ia) with normal routine CDG screening. *J Neurol.* 2007; 254(10): 1356-8.
- Vlies N van, Ferdinandusse S, Turkenburg M, Wanders RJ, Vaz FM. PPAR alpha-activation results in enhanced carnitine biosynthesis and OCTN2-mediated hepatic carnitine accumulation. *Biochim Biophys Acta.* 2007; 1767(9): 1134-42.
- Vlies N van, Ofman R, Wanders RJ, Vaz FM. Submitochondrial localization of 6-N-trimethyllysine dioxygenase - implications for carnitine biosynthesis. *FEBS J.* 2007; 274(22): 5845-51.
- Vlies N van, Ruitter JP, Doolaard M, Wanders RJ, Vaz FM. An improved enzyme assay for carnitine palmitoyl transferase I in fibroblasts using tandem mass spectrometry. *Mol Genet Metab.* 2007; 90(1): 24-9.
- Vyletal P, Sokolova J, Cooper DN, Kraus JP, Krawczak M, Pepe G, Rickards O, Koch HG, Linnebank M, Kluijtmans LA, Blom HJ, Boers GH, Gaustadnes M, Skovby F, Wilcken B, Wilcken DE, Andria G, Sebastio G, Naughten ER, Yap S, Ohura T, Pronicka E. A Diversity of cystathionine beta-synthase haplotypes bearing the most common homocystinuria mutation c.833T>C: a possible role for gene conversion *Hum Mutat.* 2007; 28: 255-64.
- Wamelink MM, Smith DE, Jansen EE, Verhoeven NM, Struys EA, Jakobs C. Detection of transaldolase deficiency by quantification of novel seven-carbon chain carbohydrate biomarkers in urine. *J Inher Metab Dis.* 2007; 30(5): 735-42.
- Wijnhoven TJ, Lensen JF, Wismans RG, Lamrani M, Monnens LA, Wevers RA, Rops AL, Vlag J van der, Berden JH, Heuvel LP van den, Kuppevelt TH van. In vivo degradation of heparan sulfates in the glomerular basement membrane does not result in proteinuria. *J Am Soc Nephrol.* 2007; 18(3): 823-32.
- Woerden CS van, Groothoff JW, Wijburg FA, Waterham HR, Wanders RJ, Janssen MJ, Duran M. Primary hyperoxaluria remains undiagnosed in patients with hyperoxaluria and recurrent urolithiasis. *Clin Chem.* 2007; 53(8): 1553-5.
- Klinisch: Gynaecologie / obstetrie / perinatologie**
- Boxmeer JC, Smit M, Weber RF, Lindemans J, Romijn JC, Eijkemans MJ, Macklon NS, Steegers-Theunissen RP. Seminal plasma cobalamin significantly correlates with sperm concentration in men undergoing IVF or ICSI procedures. *J Androl.* 2007; 28(4): 521-7.
- Dijkstra SH, Beek A van, Janssen JW, Vleeschouwer LH de, Huysman WA, Akker EL van den. High prevalence of vitamin D deficiency in newborn infants of high-risk mothers. *Arch Dis Child.* 2007; 92(9): 750-3.
- Geijn FE van de, Roos A, Man YA de, Laman JD, Groot CJ de, Daha MR, Hazes JM, Dolhain RJ. Mannose-binding lectin levels during pregnancy: a longitudinal study. *Hum Reprod.* 2007; 22(2): 362-71.
- Go AT, Visser A, Mulders MA, Twisk JW, Blankenstein MA, Vugt JM van, Oudejans CB. C21ORF105, A chromosome 21-encoded mRNA, is not a discriminative marker gene for prediction of Down syndrome in maternal plasma. *Prenat Diagn.* 2007; 27(2): 146-9.
- Horst SA ter, Walther FJ, Poorthuis BJ, Hiemstra PS, Wagenaar GT. Inhaled nitric oxide attenuates pulmonary inflammation and fibrin deposition and prolongs survival in neonatal hyperoxic lung injury. *Am J Physiol Lung Cell Mol Physiol.* 2007; 293(1): L35-44.
- Jaddoe VW, Bakker R, Duijn CM van, Heijden AJ van der, Lindemans J, Mackenbach JP, Moll HA, Steegers EA, Tiemeier H, Uitterlinden AG, Verhulst FC, Hofman A. The Generation R Study Biobank: a resource for epidemiological studies in children and their parents. *Eur J Epidemiol.* 2007; 22(12): 917-23.
- Keijzer-Veen MG, Kleinveld HA, Lequin MH, Dekker FW, Nauta J, Rijke YB de, Heijden BJ van der. Renal function and size at young adult age after intrauterine growth restriction and very premature birth. *Am J Kidney Dis.* 2007; 50(4): 542-51.
- Kist-van Holthe JE, Zwieter PH van, Schell-Feith EA, Zonderland HM, Holscher HC, Wolterbeek R, Veen S, Frolich M, Heijden BJ van der. Is nephrocalcinosis in preterm neonates harmful for long-term blood pressure and renal function? *Pediatrics.* 2007; 119(3): 468-75.
- Oudejans CB, Dijk M van, Oosterkamp M, Lachmeijer A, Blankenstein MA. Genetics of preeclampsia: paradigm shifts. *Hum Genet.* 2007; 120(5): 607-12.
- Sati L, Seval Y, Demir AY, Kosanke G, Kohnen G, Demir R. Cellular diversity of human placental stem villi: an ultrastructural and immunohistochemical study. *Acta Histochem.* 2007; 109(6): 468-79.
- Verkleij-Hagoort AC, Vries JH de, Steegers MP, Lindemans J, Ursem NT, Steegers-Theunissen RP. Validation of the assessment of folate and vitamin B12 intake in women of reproductive age: the method of triads. *Eur J Clin Nutr.* 2007; 61(5): 610-5.
- Klinisch: Hart- en vaatziekten**
- Alssema M, Dekker JM, Kuivenhoven JA, Nijpels G, Teerlink T, Scheffer PG, Diamant M, Stehouwer CD, Bouter LM, Heine RJ. Elevated cholesteryl ester transfer protein concentration is associated with an increased risk for cardiovascular disease in women, but not in men, with Type 2 diabetes: the Hoorn Study. *Diabet Med.* 2007; 24(2): 117-23.
- Bos G, Poortvliet MC, Scheffer PG, Dekker JM, Ocke MC, Nijpels G, Stehouwer CD, Bouter LM, Teerlink T, Heine RJ. Dietary polyunsaturated fat intake is associated with low-density lipoprotein size, but not with susceptibility to oxidation in subjects with impaired glucose metabolism and type II diabetes: the Hoorn study. *Eur J Clin Nutr.* 2007; 61(2): 205-11.
- Brunnekreef GB, Heijmen RH, Gerritsen W, Schepens MA, Beek HT ter, Dongen EP van. Measurements of cerebrospinal fluid concentrations of S100beta protein during and after thoracic endovascular stent grafting. *Eur J Vasc Endovasc Surg.* 2007; 34(2): 169-72.
- Ciapaite J, Bakker SJ, Van Eikenhorst G, Wagner MJ, Teerlink T, Schalkwijk CG, Fodor M, Ouwens DM, Diamant M, Heine RJ, Westerhoff HV, Krab K. Functioning of oxidative phosphorylation in liver mitochondria of high-fat diet fed rats. *Biochim Biophys Acta.* 2007; 1772(3): 307-16.

- Ciapaite J, Bezu J van, Eikenhorst G van, Bakker SJ, Teerlink T, Diamant M, Heine RJ, Krab K, Westerhoff HV, Schalkwijk CG. Palmitate and oleate have distinct effects on the inflammatory phenotype of human endothelial cells. *Biochim Biophys Acta*. 2007; 1771(2): 147-54.
- Feringa HH, Schouten O, Dunkelgrun M, Bax JJ, Boersma E, Elhendy A, Jonge R de, Karagiannis SE, Vidakovic R, Poldermans D. Plasma N-terminal pro-B-type natriuretic peptide as long-term prognostic marker after major vascular surgery. *Heart*. 2007; 93(2): 226-31.
- Feringa HH, Vidakovic R, Karagiannis SE, Jonge R de, Lindemans J, Goei D, Schouten O, Bax JJ, Poldermans D. Baseline natriuretic peptide levels in relation to myocardial ischemia, troponin T release and heart rate variability in patients undergoing major vascular surgery. *Coron Artery Dis*. 2007; 18(8): 645-51.
- Gademan MG, Swenne CA, Verwey HF, Laarse A van der, Maan AC, Vooren H van de, Pelt J van, Exel HJ van, Lucas CM, Cleuren GV, Somer S, Schalijs MJ, Wall EE van der. Effect of exercise training on autonomic derangement and neurohumoral activation in chronic heart failure. *J Card Fail*. 2007; 13(4): 294-303.
- Gorissen C, Baumgarten R, Groot M de, Haren E van, Kragten H, Leers MP. Analytical and clinical performance of three natriuretic peptide tests in the emergency room. *Clin Chem Lab Med*. 2007; 45(5): 678-84.
- Grooteman MP, Wauters IM, Teerlink T, Twisk JW, Nube MJ. Plasma dimethylarginine levels in chronic hemodialysis patients are independent of the type of dialyzer applied. *Blood Purif*. 2007; 25(3): 281-9.
- Heijer HA den, Willems HP, Blom HJ, Vollset SE, Hermus AR, Ueland PM. Homocysteine lowering by B vitamins and the secondary prevention of deep-vein thrombosis and pulmonary embolism. A randomized, placebo-controlled, double blind trial *Blood* 2007; 109: 139-44.
- Lichtenstein L, Berbee JF, van Dijk SJ, Dijk KW van, Bensadoun A, Kema IP, Voshol PJ, Muller M, Rensen PC, Kersten S. Angptl4 upregulates cholesterol synthesis in liver via inhibition of LPL- and HL-dependent hepatic cholesterol uptake. *Arterioscler Thromb Vasc Biol*. 2007; 27(11): 2420-7.
- Manten GT, Sikkema MJ, Voorbij HA, Visser GH, Bruinse HW, Franx A. Risk factors for cardiovascular disease in women with a history of pregnancy complicated by preeclampsia or intrauterine growth restriction. *Hypertens Pregnancy*. 2007; 26(1): 39-50.
- Meer RW van der, Hammer S, Smit JW, Frolich M, Bax JJ, Diamant M, Rijzewijk LJ, Roos A de, Romijn JA, Lamb HJ. Short-term caloric restriction induces accumulation of myocardial triglycerides and decreases left ventricular diastolic function in healthy subjects. *Diabetes*. 2007; 56(12): 2849-53.
- Michielsen ECHJ, Diris JH, Kleijnen VW, Wodzig WK, Dieijen-Visser MP van. Investigation of release and degradation of cardiac troponin T in patients with acute myocardial infarction. *Clin Biochem*. 2007; 40(12): 851-5.
- Michielsen ECHJ, Hessel MHM, Laarse A van der, Wodzig WKWH, Dieijen-Visser MP van. Heterogeniteit van circulerend cardiaal troponine T. *Ned Tijdschr Klin Chem Labgeneesk* 2007; 33: 192-4.
- Moesgaard SG, Holte AV, Mogensen T, Molbak J, Kristensen AT, Jensen AL, Teerlink T, Reynolds AJ, Olsen LH. Effects of breed, gender, exercise and white-coat effect on markers of endothelial function in dogs. *Res Vet Sci*. 2007; 82(3): 409-15.
- Nanayakkara PW, Guldener C van, Wee PM ter, Scheffer PG, Ittersum FJ van, Twisk JW, Teerlink T, Dorp W van, Stehouwer CD. Effect of a treatment strategy consisting of pravastatin, vitamin E, and homocysteine lowering on carotid intima-media thickness, endothelial function, and renal function in patients with mild to moderate chronic kidney disease: results from the Anti-Oxi. *Arch Intern Med*. 2007; 167(12): 1262-70.
- Oudshoorn JH, Klijn PH, Hofman Z, Voorbij HAM, Ent CK van der, Berger R. Dietary supplementation with multiple micronutrients: no beneficial effects in pediatric cystic fibrosis patients. *J Cyst Fibros* 2007; 6(1): 35-40.
- Richir MC, Siroen MP, Elburg RM van, Fetter WP, Quik F, Nijveldt RJ, Heij HA, Smit BJ, Teerlink T, Leeuwen PA van. Low plasma concentrations of arginine and asymmetric dimethylarginine in premature infants with necrotizing enterocolitis. *Br J Nutr*. 2007; 97(5): 906-11.
- Schindhelm RK, Alssema M, Scheffer PG, Diamant M, Dekker JM, Barto R, Nijpels G, Kostense PJ, Heine RJ, Schalkwijk CG, Teerlink T. Fasting and postprandial glycoxidative and lipoxidative stress are increased in women with type 2 diabetes. *Diabetes Care*. 2007; 30(7): 1789-94.
- Schindhelm RK, Dekker JM, Nijpels G, Bouter LM, Stehouwer CD, Heine RJ, Diamant M. Alanine aminotransferase predicts coronary heart disease events: A 10-year follow-up of the Hoorn Study. *Atherosclerosis*. 2007; 190: 391-396.
- Schindhelm RK, Dekker JM, Nijpels G, Stehouwer CD, Bouter LM, Heine RJ, Diamant M. Alanine aminotransferase and the 6-year risk of the metabolic syndrome in Caucasian men and women: the Hoorn Study. *Diabet Med*. 2007; 24(4): 430-5.
- Schroecksnadel K, Weiss G, Stanger O, Teerlink T, Fuchs D. Increased asymmetric dimethylarginine concentrations in stimulated peripheral blood mononuclear cells. *Scand J Immunol*. 2007; 65(6): 525-9.
- Sipkens JA, Krijnen PA, Meischl C, Cillessen SA, Smulders YM, Smith DE, Giroth CP, Spreeuwenberg MD, Musters RJ, Muller A, Jakobs C, Roos D, Stehouwer CD, Rauwerda JA, Hinsbergh VW van, Niessen HW. Homocysteine affects cardiomyocyte viability: concentration-dependent effects on reversible flip-flop, apoptosis and necrosis. *Apoptosis*. 2007; 12(8): 1407-18.
- Smulders YM, Smith DE, Kok RM, Teerlink T, Gellekink H, Vaes WH, Stehouwer CD, Jakobs C. Red blood cell folate vitamin distribution in healthy subjects is determined by the methylenetetrahydrofolate reductase C677T polymorphism and by the total folate status. *J Nutr Biochem*. 2007; 18(10): 693-9.
- Stelt CA van der, Werkum JW van, Seesing TH, Berg JM, Hackeng CM. To adjust or not to adjust the platelet count in light transmission aggregometry in patients receiving dual aspirin/clopidogrel treatment. *Platelets*. 2007; 18(7): 550-3.
- Verhoeven MO, Hemelaar M, Teerlink T, Kenemans P, Mooren MJ van der. Effects of intranasal versus oral hormone therapy on asymmetric dimethylarginine in healthy postmenopausal women: a randomized study. *Atherosclerosis*. 2007; 195(1): 181-8.
- Verhoeven MO, Teerlink T, Kenemans P, Vogelvang TE, Mooren MJ van der; for the HMR 3339 Research Group. Effects on asymmetric dimethylarginine of HMR 3339, a novel selective estrogen receptor modulator: a 12-week, randomized, placebo-controlled, double-blind, dose-ranging study in healthy postmenopausal women. *Menopause*. 2007; 14(2): 235-42.
- Verhoeven MO, Teerlink T, Kenemans P, Zuidgeest-van Leeuwen SD, Mooren MJ van der. Effects of a supplement containing isoflavones and *Actaea racemosa* L. on asymmetric dimethylarginine, lipids, and C-reactive protein in menopausal women. *Fertil Steril*. 2007; 87(4): 849-57.
- Visser LE, Schaik RH van, Danser AH, Hofman A, Witteman JC, Duijn CM van, Uitterlinden AG, Pols HA, Stricker BH. The risk of myocardial infarction in patients with reduced activity of cytochrome P450 2C9. *Pharmacogenet Genomics*. 2007; 17(7): 473-9.

Wal RM van de, Harst P van der, Gerritsen WB, Horst F van der, Plokker TH, Gansevoort RT, van Gilst WH, Voors AA. Plasma matrix metalloproteinase-9 and ACE-inhibitor-induced improvement of urinary albumin excretion in non-diabetic, microalbuminuric subjects. *J Renin Angiotensin Aldosterone Syst.* 2007; 8(4): 177-80.

Werkum JW van, Gerritsen WB, Kelder JC, Hackeng CM, Ernst SM, Deneer VH, Suttrop MJ, Rensing BJ, Plokker HW, Ten Berg JM. Inhibition of platelet function by abciximab or high-dose tirofiban in patients with STEMI undergoing primary PCI: a randomised trial. *Neth Heart J.* 2007; 15(11): 375-81.

Werkum JW van, Hackeng CM, Korte FI de, Verheugt FW, Berg JM ten. Point-of-care platelet function testing in patients undergoing PCI: between a rock and a hard place. *Neth Heart J.* 2007; 15(9): 299-305.

Werkum JW van, Kleibeuker M, Mieremet N, Berg JM ten, Hackeng CM. Evaluation of the platelet response to clopidogrel with light transmittance aggregometry: peak aggregation or late aggregation? *J Thromb Haemost.* 2007; 5(4): 884-6.

Werkum JW van, Stelt CA van der, Seesing TH, Berg JM ten, Hackeng CM. The flow cytometric VASP assay can be used to determine the effectiveness of clopidogrel in patients treated with abciximab. *J Thromb Haemost.* 2007; 5(4): 881-3.

Yazdanpanah M, Aulchenko YS, Hofman A, Janssen JA, Sayed-Tabatabaei FA, van Schaik RH, Klungel OH, Stricker BH, Pols HA, Witteman JC, Lamberts SW, Oostra BA, van Duijn CM. Effects of the renin-angiotensin system genes and salt sensitivity genes on blood pressure and atherosclerosis in the total population and patients with type 2 diabetes. *Diabetes.* 2007; 56(7): 1905-12.

Klinisch: Hematologie

Dongen-Lases EC van, Rooijen KL van, Koopman M, Raymakers RAP, Brons PPT, Swinkels DW. Onbegrepen refractaire ijzergebreeksanemie: vijf klinische casussen. *Ned Tijdschr Klin Chem Labgeneesk.* 2007; 32: 255-7.

Geest-Daalderop JH van, Hutten BA, Pequeriaux NC, Haas FJ, Levi M, Sturk A. The influence on INRs and coagulation factors of the time span between blood sample collection and intake of phenprocoumon or acenocoumarol: consequences for the assessment of the dose. *Thromb Haemost.* 2007; 98(4): 738-46.

Haas FJLM, Kamphuisen PW. The role of D-dimer in the diagnosis of deep venous thrombosis and pulmonary embolism. *Imaging Decisions* 2007; 11: 23-8.

Halkes CJ, Dijkstra bloem HM, Eelkman Rooda SJ, Kramer MH. Extreme leucocytosis: not always leukaemia. *Neth J Med.* 2007; 65(7): 248-51.

Herczenik E, Bouma B, Korporaal SJ, Strangi R, Zeng Q, Gros P, Eck M van, Berkel TJ van, Gebbink MF, Akkerman JW. Activation of human platelets by misfolded proteins. *Arterioscler Thromb Vasc Biol.* 2007; 27(7): 1657-65.

Hoffmann JJML. Anti-Wr(a): to screen or not to screen? *Transfusion.* 2007; 47(5): 948-9.

Hulstein JJ, Lenting PJ, Laat B de, Derksen RH, Fijnheer R, Groot PG de. beta2-Glycoprotein I inhibits von Willebrand factor dependent platelet adhesion and aggregation. *Blood.* 2007; 110(5): 1483-91.

Korporaal SJ, Eck M van, Adelmeijer J, IJsseldijk M, Out R, Lisman T, Lenting PJ, Berkel TJ van, Akkerman JW. Platelet activation by oxidized low density lipoprotein is mediated by CD36 and scavenger receptor-A. *Arterioscler Thromb Vasc Biol.* 2007; 27(11): 2476-83.

Lange DW de, Verhoef S, Gorter G, Kraaijenhagen RJ, Wiel A van der, Akkerman JW. Polyphenolic grape extract inhibits platelet activation through PECAM-1: an explanation for the French paradox. *Alcohol Clin Exp Res.* 2007; 31(8): 1308-14.

Oosterhuis WP, Horst M van der, Dongen K van, Ulenkate HJ, Volmer M, Wulkan RW. Prospective comparison of the flow chart for laboratory investigations for anaemia from the Dutch College of General Practitioners' guideline 'Anaemia' with a self-developed, substantive and logistical alternative flow chart. *Ned Tijdschr Geneesk.* 2007; 151(42): 2326-32.

Percy MJ, Wijk R van, Haggan S, Savage GA, Boyd K, Dempsey S, Hamilton J, Kettle P, Kyle A, Shepherd CW, Solinge WW van, Lappin TR, McMullin MF. Pyruvate kinase deficient hemolytic anemia in the Northern Irish population. *Blood Cells Mol Dis.* 2007; 39(2): 189-94.

Raphael MF, Wijk R van, Schweizer JJ, Schouten-van Meeteren NA, Kindermann A, Solinge WW van, Smiers FJ. Pyruvate kinase deficiency associated with severe liver dysfunction in the newborn. *Am J Hematol.* 2007; 82(11): 1025-8.

Remijn JA, IJsseldijk MJ, Strunk AL, Abbes AP, Engel H, Dikkeshchei B, Dompeling EC, Groot PG, Slingerland RJ. Novel molecular defect in the platelet ADP receptor P2Y₁₂ of a patient with haemorrhagic diathesis. *Clin Chem Lab Med.* 2007; 45(2): 187-9.

Roest M, Himbergen TM van, Barendrecht AB, Peeters PH, Schouw YT van der, Voorbij HA. Genetic and environmental determinants of the PON-1 phenotype. *Eur J Clin Invest.* 2007; 37(3): 187-96.

Roest M, Voorbij HA, Barendrecht AD, Peeters PH, Schouw YT van der. The risk of acute ischaemic heart disease in post menopausal women depends on von Willebrand factor and fibrinogen concentrations and blood group genotype. *J Thromb Haemost.* 2007; 5(1): 189-91.

Schutgens RE, Haas FJ, Agterof MJ, Vos M, Biesma DH. The role of fibrin monomers in optimizing the diagnostic work-up of deep vein thrombosis. *Thromb Haemost.* 2007; 97(5): 807-13.

Verheul HM, Lolkema MP, Qian DZ, Hilkes YH, Liapi E, Akkerman JW, Pili R, Voest EE. Platelets take up the monoclonal antibody bevacizumab. *Clin Cancer Res.* 2007; 13(18 Pt 1): 5341-7.

Vooght KM de, Wijk R van, Ploos van Amstel HK, Solinge WW van. Characterization of the -16C>G sequence variation in the promoters of both HBG1 and HBG2: convergent evolution of the human gamma-globin genes. *Blood Cells Mol Dis.* 2007; 39(1): 70-4.

Klinisch: Interne geneeskunde

Bakker JA, Bierau J, Drent M. Therapeutic regimens in interstitial lung disease guided by genetic screening: fact or fiction? *Eur Respir J.* 2007; 30(5): 821-2.

Bakker JA, Drent M, Bierau J. Relevance of pharmacogenetic aspects of mercaptopurine metabolism in the treatment of interstitial lung disease. *Curr Opin Pulm Med.* 2007; 13(5): 458-63.

Berger SP, Roos A, Mallat MJ, Schaapherder AF, Doxiadis II, Kooten C van, Dekker FW, Daha MR, Fijter JW de. Low pretransplantation mannose-binding lectin levels predict superior patient and graft survival after simultaneous pancreas-kidney transplantation. *J Am Soc Nephrol.* 2007; 18(8): 2416-22.

Beukhof CM, Hoorn EJ, Lindemans J, Zietse R. Novel risk factors for hospital-acquired hyponatraemia: a matched case-control study. *Clin Endocrinol (Oxf).* 2007; 66(3): 367-72.

Beulens JW, Loon LJ van, Kok FJ, Pelsers M, Bobbert T, Spranger J, Helander A, Hendriks HF. The effect of moderate alcohol consumption on adiponectin oligomers and muscle oxidative capacity: a human intervention study. *Diabetologia.* 2007; 50(7): 1388-92.

Biro E, Nieuwland R, Tak PP, Pronk LM, Schaap MC, Sturk A, Hack CE. Activated complement components and complement activator molecules on the surface of cell-derived microparticles in patients with rheumatoid arthritis and healthy individuals. *Ann Rheum Dis.* 2007; 66(8): 1085-92.

- Boekel E ten, Siegert CE, Vrieling GJ, Van Dam VC, Ceelen A, Kieviet W de. Analyses of CD27++ plasma cells in peripheral blood from patients with bacterial infections and patients with serum antinuclear antibodies. *J Clin Immunol.* 2007; 27(5): 467-76.
- Chandie Shaw PK, Berger SP, Mallat M, Frolich M, Dekker FW, Rabelink TJ. Central obesity is an independent risk factor for albuminuria in nondiabetic South Asian subjects. *Diabetes Care.* 2007; 30(7): 1840-4.
- Coenraad MJ, Bolk JH, Frolich M, Meinders AE. Plasma arginine vasopressin and atrial natriuretic peptide concentration in patients with hyponatremia at diagnosis and following treatment. *Eur J Intern Med.* 2007; 18(3): 221-9.
- Crop MJ, Hoorn EJ, Lindemans J, Zietse R. Hypokalaemia and subsequent hyperkalaemia in hospitalized patients. *Nephrol Dial Transplant.* 2007; 22(12): 3471-7.
- Festen DA, Toorenenbergen A van, Duivenvoorden HJ, Hokken-Koelega AC. Adiponectin levels in prepubertal children with Prader-Willi syndrome before and during growth hormone therapy. *J Clin Endocrinol Metab.* 2007; 92(4): 1549-54.
- Garde EM van de, Endeman H, Deneer VH, Biesma DH, Ruven HJ, Velzen-Blad H van, Leufkens HG, Bosch JM van den. Angiotensin-converting enzyme (ACE) I/D corrected serum ACE activity and severity assessment of community-acquired pneumonia. *Clin Chem Lab Med.* 2007; 45(10): 1326-31.
- Goekoop RJ, Steeghs N, Niessen RW, Jonkers GJ, Dik H, Castel A, Werker-van Gelder L, Vlasveld L, Klink RC van, Planken EV, Huisman MV. Simple and safe exclusion of pulmonary embolism in outpatients using quantitative D-dimer and Wells' simplified decision rule. *Thromb Haemost.* 2007; 97(1): 146-50.
- Grootscholten C, Dieker JW, McGrath FD, Roos A, Derksen RH, Vlag J van der, Daha MR, Berden JH. A prospective study of anti-chromatin and anti-C1q autoantibodies in patients with proliferative lupus nephritis treated with cyclophosphamide pulses or azathioprine/methylprednisolone. *Ann Rheum Dis.* 2007; 66(5): 693-6.
- Heidema AG, Feskens EJ, Doevendans PA, Ruven HJ, Houwelingen HC van, Mariman EC, Boer JM. Analysis of multiple SNPs in genetic association studies: comparison of three multi-locus methods to prioritize and select SNPs. *Genet Epidemiol.* 2007; 31(8): 910-21.
- Krekels EH, Anker JN van den, Baiardi P, Cella M, Cheng KY, Gibb DM, Green H, Iolascon A, Jacqz-Aigrain EM, Knibbe CA, Santen GW, Schaik RH van, Tibboel D, Della Pasqua OE. Pharmacogenetics and paediatric drug development: issues and consequences to labelling and dosing recommendations. *Expert Opin Pharmacother.* 2007; 8(12): 1787-99.
- Kummeling MT, Jong BW de, Laffeber C, Kok DJ, Verhagen PC, Leenders GJ van, Schaik RH van, Woerden CS van, Verhulst A, Verkoelen CF. Tubular and interstitial nephrocalcinosis. *J Urol.* 2007; 178(3 Pt 1): 1097-103.
- Levin MD, Hollander JG den, Holt B van der, Rijnders BJ, Vliet M van, Sonneveld P, Schaik RH van. Hepatotoxicity of oral and intravenous voriconazole in relation to cytochrome P450 polymorphisms. *J Antimicrob Chemother.* 2007; 60(5): 1104-7.
- Mulder SA, Leerdam ME van, Vuuren AJ van, Francke J, Toorenenbergen AW van, Kuipers EJ, Ouwendijk RJ. Tumor pyruvate kinase isoenzyme type M2 and immunochemical fecal occult blood test: performance in screening for colorectal cancer. *Eur J Gastroenterol Hepatol.* 2007; 19(10): 878-82.
- Oortwijn BD, Rastaldi MP, Roos A, Mattinzoli D, Daha MR, Kooten C van. Demonstration of secretory IgA in kidneys of patients with IgA nephropathy. *Nephrol Dial Transplant.* 2007; 22(11): 3191-5.
- Ouwens DM, Diamant M, Fodor M, Habets DD, Pelsers MM, El Hasnaoui M, Dang ZC, Brom CE van den, Vlasblom R, Rietdijk A, Boer C, Coort SL, Glatz JF, Luiken JJ. Cardiac contractile dysfunction in insulin-resistant rats fed a high-fat diet is associated with elevated CD36-mediated fatty acid uptake and esterification. *Diabetologia.* 2007; 50(9): 1938-48.
- Pelsers MM, Tsintzas K, Boon H, Jewell K, Norton L, Luiken JJ, Glatz JFC, Loon LJC van. Expressie van vetzurentransporters in skeletspier van type-2-diabetespatiënten in vergelijking met sedentaire mannen en leeftijd-gematchte getrainde wielrenners. *Ned Tijdschr Klin Chem Labgeneesk.* 2007; 32: 268-70.
- Pelsers MM, Tsintzas K, Boon H, Jewell K, Norton L, Luiken JJ, Glatz JF, van Loon LJ. Skeletal muscle fatty acid transporter protein expression in type 2 diabetes patients compared with overweight, sedentary men and age-matched, endurance-trained cyclists. *Acta Physiol (Oxf).* 2007; 190(3): 209-19.
- Peters JH, Wierdsma NJ, Teerlink T, Leeuwen PA van, Mulder CJ, Bodegraven AA van. Poor diagnostic accuracy of a single fasting plasma citrulline concentration to assess intestinal energy absorption capacity. *Am J Gastroenterol.* 2007; 102(12): 2814-9.
- Pham NV, Cox-Reijven PL, Wodzig WK, Greve JW, Soeters PB. SGA and measures for muscle mass and strength in surgical Vietnamese patients. *Nutrition.* 2007; 23(4): 283-91.
- Remijn JA, Beukhof JR, Dikkeschei LD. Large fluctuations in parathyroid hormone concentrations after autotransplantation of parathyroid tissue in the forearm. *Clin Chem.* 2007; 53(3): 534-5.
- Roos A, Daha MR, Pelt J van, Berger SP. Mannose-binding lectin and the kidney. *Nephrol Dial Transplant.* 2007; 22(12): 3370-7.
- Roos A, Kooten C van. Underglycosylation of IgA in IgA nephropathy: more than a diagnostic marker? *Kidney Int.* 2007; 71(11): 1089-91.
- Taekema DG, Westendorp RG, Frolich M, Gussekloo J. High innate production capacity of tumor necrosis factor-alpha and decline of handgrip strength in old age. *Mech Ageing Dev.* 2007; 128(9): 517-21.
- Tushuizen ME, Bunck MC, Pouwels PJ, Bontemps S, Waesberghe JH van, Schindhelm RK, Mari A, Heine RJ, Diamant M. Pancreatic fat content and beta-cell function in men with and without type 2 diabetes. *Diabetes Care.* 2007; 30(11): 2916-21.
- Voort PH van der, Postma SR, Kingma WP, Boerma EC, Heide LJ de, Bakker AJ. An Observational Study on the Effects of Nadroparin-Based and Citrate-Based Continuous Venovenous Hemofiltration on Calcium Metabolism. *Blood Purif.* 2007; 25(3): 267-73.
- Wetzels JF, Kiemeny LA, Swinkels DW, Willems HL, den Heijer M. Age- and gender-specific reference values of estimated GFR in Caucasians: the Nijmegen Biomedical Study. *Kidney Int.* 2007; 72(5): 632-7.
- Yagmur E, Trautwein C, Leers MP, Gressner AM, Tacke F. Elevated apoptosis-associated cytokeratin 18 fragments (CK18Asp386) in serum of patients with chronic liver diseases indicate hepatic and biliary inflammation. *Clin Biochem.* 2007; 40(9-10): 651-5.
- Yazdanpanah N, Zillikens MC, Rivadeneira F, Jong R de, Lindemans J, Uitterlinden AG, Pols HA, Meurs JB van. Effect of dietary B vitamins on BMD and risk of fracture in elderly men and women: The Rotterdam Study. *Bone.* 2007; 41(6): 987-94.

Klinisch: Neurologie / psychiatrie

Abdo WF, Bloem BR, Verbeek MM. Liquoronderzoek in de differentiële diagnostiek van multiple systeematrofie. *Ned Tijdschr Klin Chem Labgeneesk*. 2007; 32: 250-2.

Abdo WF, Norden AG van, Laat KF de, Leeuw FE de, Borm GF, Verbeek MM, Kremer PH, Bloem BR. Diagnostic accuracy of the clapping test in Parkinsonian disorders. *J Neurol*. 2007; 254(10): 1366-9.

Abdo WF, Warrenburg BP van de, Kremer HP, Bloem BR, Verbeek MM. CSF biomarker profiles do not differentiate between the cerebellar and parkinsonian phenotypes of multiple system atrophy. *Parkinsonism Relat Disord*. 2007; 13(8): 480-2.

Biggelaar AH van den, Gussekloo J, Craen AJ de, Frolich M, Stek ML, Mast RC van der, Westendorp RG. Inflammation and interleukin-1 signaling network contribute to depressive symptoms but not cognitive decline in old age. *Exp Gerontol*. 2007; 42(7): 693-701.

Bijl MJ, Visser LE, Hofman A, Vulto AG, Gelder T van, Stricker BH, Schaik RH van. Influence of the CYP2D6*4 polymorphism on dose, switching and discontinuation of antidepressants. *Br J Clin Pharmacol*. 2008; 65(4): 558-64.

Bouwman FH, Flier WM van der, Schoonenboom NS, Elk EJ van, Kok A, Rijmen F, Blankenstein MA, Scheltens P. Longitudinal changes of CSF biomarkers in memory clinic patients. *Neurology*. 2007; 69(10): 1006-11.

Bouwman FH, Schoonenboom SN, Flier WM van der, Elk EJ van, Kok A, Barkhof F, Blankenstein MA, Scheltens P. CSF biomarkers and medial temporal lobe atrophy predict dementia in mild cognitive impairment. *Neurobiol Aging*. 2007; 28(7): 1070-4.

Fronczek R, Overeem S, Lee SY, Hegeman IM, Pelt J van, Duinen SG van, Lammers GJ, Swaab DF. Hypocretin (orexin) loss in Parkinson's disease. *Brain*. 2007; 130(Pt 6): 1577-85.

Hinrichs JWJ, Smallegoor WD, Baalen EH van, Welker Ch, Weide J van der. Detection of CYP2D6 polymorphisms *9, *10 and *41 using ARMS-PCR and their allelic frequencies in 400 psychiatric patients. *Clin Chem Lab Med*. 2007; 45(4): 555-7.

Jasperse B, Jakobs C, Eikelenboom MJ, Dijkstra CD, Uitdehaag BM, Barkhof F, Polman CH, Teunissen CE. N-acetylaspartic acid in cerebrospinal fluid of multiple sclerosis patients determined by gas-chromatography-mass spectrometry. *J Neurol*. 2007; 254(5): 631-7.

Jong D de, Jansen RW, Pijnenburg YA, Geel WJ van, Borm GF, Kremer HP, Verbeek MM. CSF neurofilament proteins in the differential diagnosis of dementia. *J Neurol Neurosurg Psychiatry*. 2007; 78(9): 936-8.

Jong D de, Kremer BP, Olde Rikkert MG, Verbeek MM. Current state and future directions of neurochemical biomarkers for Alzheimer's disease. *Clin Chem Lab Med*. 2007; 45(11): 1421-34.

Miners JS, Verbeek MM, Rikkert MO, Kehoe PG, Love S. Immunocapture-based fluorometric assay for the measurement of neprilysin-specific enzyme activity in brain tissue homogenates and cerebrospinal fluid. *J Neurosci Methods*. 2008; 167(2): 229-36.

Mulder C, Flier WM van der, Veerhuis R, Bouwman F, Jakobs C, Verhoeven NM, Barkhof F, Scheltens P, Blankenstein MA. Association between vitamin B6 and white matter hyperintensities in patients with Alzheimer's disease not mediated by homocysteine metabolism. *J Am Geriatr Soc*. 2007; 55(6): 956-8.

Pijnenburg YA, Schoonenboom SN, Mehta PD, Mehta SP, Mulder C, Veerhuis R, Blankenstein MA, Scheltens P. Decreased cerebrospinal fluid amyloid beta (1-40) levels in frontotemporal lobar degeneration. *J Neurol Neurosurg Psychiatry*. 2007; 78(7): 735-7.

Reijn TS, Rikkert MO, van Geel WJ, de Jong D, Verbeek MM. Diagnostic accuracy of ELISA and xMAP technology for analysis of amyloid beta(42) and tau proteins. *Clin Chem*. 2007; 53(5): 859-65.

Roelofs K, Bakvis P, Hermans EJ, Pelt van J, Honk J van. The effects of social stress and cortisol responses on the preconscious attention to social threat. *Biol Psychol*. 2007; 75(1): 1-7.

Russo S, Kema IP, Bosker F, Haavik J, Korf J. Tryptophan as an evolutionarily conserved signal to brain serotonin: Molecular evidence and psychiatric implications. *World J Biol Psychiatry*. 2007: 1-11.

Schoonman GG, Evers DJ, Ballieux BE, Geus EJ de, Kloet ER de, Terwindt GM, Dijk JG van, Ferrari MD. Is stress a trigger factor for migraine? *Psychoneuroendocrinology*. 2007; 32(5): 532-8.

Schram MT, Euser SM, Craen AJ de, Witteman JC, Frolich M, Hofman A, Jolles J, Breteler MM, Westendorp RG. Systemic markers of inflammation and cognitive decline in old age. *J Am Geriatr Soc*. 2007; 55(5): 708-16.

Troost PW, Lahuis BE, Hermans MH, Buitelaar JK, Engeland H van, Scahill L, Minderaa RB, Hoekstra PJ. Prolactin release in children treated with risperidone: impact and role of CYP2D6 metabolism. *J Clin Psychopharmacol*. 2007; 27(1): 52-7.

Weide J van der, Hinrichs JWJ, Kootstra-Ros JE, Bosch J van den, Noback WJ, Vollema MG, Teepe HJMG. The utility of genotyping in the diagnosis of late onset Alzheimer's Disease in the geriatric setting. *Tijdschr Belg Ver Lab Tech* 2007; 34/6: 491-7.

Weide J van der, Hinrichs JWJ. Metabole ratio's van psychofarmaca als indicatie voor het cytochrom-P450- genotype: klinische toepassingen. *Ned Tijdschr Klin Chem Labgeneesk*. 2007; 32: 204-5.

Wilhelmus MM, Waal RM de, Verbeek MM. Heat shock proteins and amateur chaperones in amyloid-Beta accumulation and clearance in Alzheimer's disease. *Mol Neurobiol*. 2007; 35(3): 203-16.

Wilhelmus MM, Otte-Holler I, Triel JJ van, Veerhuis R, Maat-Schieman ML, Bu G, Waal RM de, Verbeek MM. Lipoprotein receptor-related protein-1 mediates amyloid-beta-mediated cell death of cerebrovascular cells. *Am J Pathol*. 2007; 171(6): 1989-99.

Klinisch: Oncologie

Bol JM van der, Mathijssen RH, Loos WJ, Friberg LE, Schaik RH van, Jonge MJ de, Planting AS, Verweij J, Sparreboom A, Jong FA de. Cigarette smoking and irinotecan treatment: pharmacokinetic interaction and effects on neutropenia. *J Clin Oncol*. 2007; 25(19): 2719-26.

Dam GB ten, Westerlo EM van de, Purushothaman A, Stan RV, Bulten J, Sweep FC, Massuger LF, Sugahara K, Kuppevelt TH van. Antibody GD3G7 selected against embryonic glycosaminoglycans defines chondroitin sulfate-E domains highly up-regulated in ovarian cancer and involved in vascular endothelial growth factor binding. *Am J Pathol*. 2007; 171(4): 1324-33.

Engels FK, Loos WJ, Mathot RA, van Schaik RH, Verweij J. Influence of ketoconazole on the fecal and urinary disposition of docetaxel. *Cancer Chemother Pharmacol*. 2007; 60(4): 569-79.

Hermesen BB, Verheijen RH, Menko FH, Gille JJ, van Uffelen K, Blankenstein MA, Meijer S, van Diest PJ, Kenemans P, Mensdorff-Pouilly S von. Humoral immune responses to MUC1 in women with a BRCA1 or BRCA2 mutation. *Eur J Cancer*. 2007; 43(10): 1556-63.

- Hermesen BB, Mensdorff-Pouilly S von, Berkhof J, Diest PJ van, Gille JJ, Menko FH, Blankenstein MA, Kenemans P, Verheijen RH. Serum CA-125 in relation to adnexal dysplasia and cancer in women at hereditary high risk of ovarian cancer. *J Clin Oncol.* 2007; 25(11): 1383-9.
- Horst-Schriivers AN van der, Post WJ, Kema IP, Links TP, Willemsse PH, Wymenga AN, Vries EG de. Persistent low urinary excretion of 5-HIAA is a marker for favourable survival during follow-up in patients with disseminated midgut carcinoid tumours. *Eur J Cancer.* 2007; 43(18): 2651-7.
- Raaijmakers R, de Vries SH, Blijenberg BG, Wildhagen MF, Postma R, Bangma CH, Darte C, Schroder FH. hK2 and free PSA, a prognostic combination in predicting minimal prostate cancer in screen-detected men within the PSA range 4-10 ng/ml. *Eur Urol.* 2007; 52(5): 1358-64.
- Schilling D, Bayer C, Geurts-Moespot A, Sweep FC, Pruschy M, Mengele K, Sprague LD, Molls M. Induction of plasminogen activator inhibitor type-1 (PAI-1) by hypoxia and irradiation in human head and neck carcinoma cell lines. *BMC Cancer.* 2007; 7: 143.
- Schmitt M, Mengele K, Schueren E, Sweep FC, Foekens JA, Brunner N, Laabs J, Malik A, Harbeck N. European Organisation for Research and Treatment of Cancer (EORTC) Pathobiology Group standard operating procedure for the preparation of human tumour tissue extracts suited for the quantitative analysis of tissue-associated biomarkers. *Eur J Cancer.* 2007; 43(5): 835-44.
- Schultz IJ, Kok JB de, Witjes JA, Babjuk M, Willems JL, Wester K, Swinkels DW, Tjalsma H. Simultaneous proteomic and genomic analysis of primary Ta urothelial cell carcinomas for the prediction of tumor recurrence. *Anticancer Res.* 2007; 27(2): 1051-8.
- Schultz IJ, Kiemeny LA, Roelofs R, Aarssen Y van, Babjuk M, Willems JL, Malmstrom PU, Swinkels DW, Witjes JA, Kok JB de. The prognostic role of the STK15 T91A polymorphism and of STK15 mRNA expression in patients with urothelial cell carcinoma. *Anticancer Res.* 2007; 27(2): 1025-30.
- Schultz IJ, Wester K, Straatman H, Kiemeny LA, Babjuk M, Mares J, Willems JL, Swinkels DW, Witjes JA, Malmstrom PU, Kok JB de. Gene expression analysis for the prediction of recurrence in patients with primary Ta urothelial cell carcinoma. *Eur Urol.* 2007; 51(2): 416-22.
- Schunke D, Span P, Ronneburg H, Dittmer A, Vetter M, Holzhausen HJ, Kantelhardt E, Krenkel S, Muller V, Sweep FC, Thomssen C, Dittmer J. Cyclooxygenase-2 is a target gene of rho GDP dissociation inhibitor beta in breast cancer cells. *Cancer Res.* 2007; 67(22): 10694-702.
- Sprague LD, Mengele K, Schilling D, Geurts-Moespot A, Sweep FC, Stadler P, Schmitt M, Molls M. Effect of reoxygenation on the hypoxia-induced up-regulation of serine protease inhibitor PAI-1 in head and neck cancer cells. *Oncology.* 2006; 71(3-4): 282-91.
- Stacey SN, Manolescu A, Sulem P, Rafnar T, Gudmundsson J, Gudjonsson SA, Masson G, Jakobsdottir M, Thorlacius S, Helgason A, Aben KK, Strobbe LJ, Albers-Akkers MT, Swinkels DW, Henderson BE, Kolonel LN, Le Marchand L, Millastre E, Andres R, Godino J. Common variants on chromosomes 2q35 and 16q12 confer susceptibility to estrogen receptor-positive breast cancer. *Nat Genet.* 2007; 39(7): 865-9.
- Stephan C, Xu C, Cammann H, Graefen M, Haese A, Huland H, Semjonow A, Diamandis EP, Remzi M, Djavan B, Wildhagen MF, Blijenberg BG, Finne P, Stenman UH, Jung K, Meyer HA. Assay-specific artificial neural networks for five different PSA assays and populations with PSA 2-10 ng/ml in 4,480 men. *World J Urol.* 2007; 25(1): 95-103.
- Trommel N van, Massuger L, Span P, Sweep F, Thomas C. Early identification of treatment resistance in GTN. *Lancet Oncol.* 2007; 8(10): 866-7.
- Westerman BA, Breuer RH, Poutsma A, Chhatta A, Noorduyin LA, Koolen MG, Postmus PE, Blankenstein MA, Oudejans CB. Basic helix-loop-helix transcription factor profiling of lung tumors shows aberrant expression of the proneural gene atonal homolog 1 (ATOH1, HATH1, MATH1) in neuroendocrine tumors. *Int J Biol Markers.* 2007; 22(2): 114-23.

Klinisch: Toxicologie

Rolleman EJ, Krenning EP, Bernard BF, de Visser M, Bijster M, Visser TJ, Vermeij M, Lindemans J, Jong M de. Long-term toxicity of [(177)Lu-DOTA (0), Tyr (3)]octreotate in rats. *Eur J Nucl Med Mol Imaging.* 2007; 34(2): 219-27.

Vahidnia A, Straaten RJ van der, Romijn F, Pelt J van, Voet GB van der, Wolff FA de. Arsenic metabolites affect expression of the neurofilament and tau genes: an in-vitro study into the mechanism of arsenic neurotoxicity. *Toxicol In Vitro.* 2007; 21(6): 1104-12.