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PERIOD COVERED: November 21, 2009 - December 4, 2009

General News

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SONIC HEALTHCARE ACQUIRES EAST SIDE CLINICAL LABORATORY

Source: 1 December 2009 Company Press Release

Interlaboratory competition of diagnostic methods in clinical chemistry, haematology and haemostaseology according to DIN EN ISO 15189 Point 5.6.6.

Source: Abstracts: DGKL Congress of Clinical Chemistry and Laboratory Medicine, Leipzig, October 7-10, 2009

*Author(s): R. Findeisen*1 1Elblandkliniken Meißen GmbH & Co. KG, Laboratoriumsmedizin, Meißen, Germany*

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Diabetes

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A New DiaSys colorimetric assay for plasma homocysteine: application in diabetic patients.

Source: Ann Clin Lab Sci. 2009 Summer;39(3):233-40.

Author(s): Badiou S, Bariolet S, Dupuy AM, Sultan A, Avignon A, Cristol JP. Biochemistry Laboratory, Lapeyronie University Hospital, 371 Avenue Doyen Gaston Giraud, F34295 Montpellier Cedex 5, France. jp-cristol@chu-montpellier.fr

Serum glycated albumin, but not glycated haemoglobin, is low in relation to glycemia in hyperuricemic men.

Source: Acta Diabetol. 2009 Nov 19. [Epub ahead of print]

Author(s): Koga M, Murai J, Saito H, Mukai M, Kasayama S. Department of Internal Medicine, Kinki Central Hospital, Kuruma-zuka 3-1, Itami, Hyogo, 664-8533, Japan, koga_m@kich.itami.hyogo.jp.

Six of 8 Hemoglobin A1c Point-of-Care Instruments Do Not Meet the General Accepted Analytical Performance Criteria.

Source: Clin Chem. 2009 Nov 19. [Epub ahead of print]

Author(s): Lenters-Westra E, Slingerland RJ. Department of Clinical Chemistry, Isala klinieken, Zwolle, The Netherlands, and European Reference Laboratory for Glycohemoglobin, Zwolle, The Netherlands.

On what evidence-base do we recommend self-monitoring of blood glucose?

Source: Diabetes Res Clin Pract. 2009 Nov 17. [Epub ahead of print]

Author(s): Kolb H, Kempf K, Martin S, Stumvoll M, Landgraf R. Hagedorn Research Institute, Niels Steensenvej 6, DK Gentofte, Denmark.

Biological variation of glycated haemoglobin in a paediatric population and its application to calculation of significant change between results.

Source: Ann Clin Biochem. 2009 Nov 25. [Epub ahead of print]

Author(s): Desmeules P, Cousineau J, Allard P. Department of Clinical Biochemistry.

Using meal-based self-monitoring blood glucose (SMBG) data to guide dietary recommendations in patients with diabetes.

Source: Diabetes Educ. 2009 Nov-Dec;35(6):1023-30.

Author(s): Jovanovic L. Sansum Diabetes Research Institute, 2219 Bath Street, Santa Barbara, CA 93105, USA. ljovanovic@sansum.org

[A novel immobilization multienzyme glucose fluorescence capillary biosensor.](#)

Source: *Biosens Bioelectron.* 2009 Oct 31. [Epub ahead of print]

Author(s): Li YS, Du YD, Chen TM, Gao XF. School of Chemical Engineering, Sichuan University, Chengdu 610065, China.

[Hemoglobin A1c in predicting progression to diabetes.](#)

Source: *Diabetes Res Clin Pract.* 2009 Nov 27. [Epub ahead of print]

Author(s): Nakagami T, Tajima N, Oizumi T, Karasawa S, Wada K, Kameda W, Susa S, Kato T, Daimon M. Diabetes Centre, Tokyo Women's Medical University, 8-1, Kawada-cho, Shinjuku-ku Tokyo 162-8666, Japan.

[POCT versus laboratory method for oral glucose tolerance test](#)

Source: Abstracts: DGKL Congress of Clinical Chemistry and Laboratory Medicine, Leipzig, October 7-10, 2009

Author(s): S. Lückens¹, B. Wolters*¹, K. Hartung¹ 1Klinikum Bremerhaven, Institut für Laboratoriums- und Transfusionsmedizin, Bremerhaven, Germany

[POCT glucometers in comparison with laboratory method](#)

Source: Abstracts: DGKL Congress of Clinical Chemistry and Laboratory Medicine, Leipzig, October 7-10, 2009

Author(s): B. Wolters*¹, S. Lückens¹, K. Hartung¹ 1Klinikum Bremerhaven, Institut für Lab. u. Transf.med., Bremerhaven, Germany

[Validation of capillary glucose measurements with a handheld glucometer to detect glucose intolerance or type 2 diabetes mellitus](#)

Source: Abstracts: DGKL Congress of Clinical Chemistry and Laboratory Medicine, Leipzig, October 7-10, 2009

Author(s): S. Menzel*¹, A. Petersmann¹, T. Ittermann¹, S.B. Felix², H. Wallaschofski¹, M. Nauck¹ 1University of Greifswald, Institute of Clinical Chemistry and Laboratory Medicine, Greifswald, Germany 2University of Greifswald, Department of Internal Medicine B – Cardiology, Greifswald, Germany

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POC

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[Label-free impedance detection of low levels of circulating endothelial progenitor cells for point-of-care diagnosis.](#)

Source: *Biosens Bioelectron.* 2009 Oct 1. [Epub ahead of print]

Author(s): Ng SY, Reboud J, Wang KY, Tang KC, Zhang L, Wong P, Moe KT, Shim W, Chen Y. Institute of Microelectronics, A*STAR (Agency for Science, Technology and Research) Singapore, 11 Science Park Road, Singapore Science Park II, Singapore 117685, Singapore.

[Comparison of Three Whole Blood Creatinine Methods for Estimation of Glomerular Filtration Rate Before Radiographic Contrast Administration.](#)

Source: *Am J Clin Pathol.* 2009 Dec;132(6):920-926.

Author(s): Korpi-Steiner NL, Williamson EE, Karon BS. Dept of Laboratory Medicine and Pathology, Mayo Clinic, 200 First St SW, Rochester, MN 55905.

[Acute HIV Infection --- New York City, 2008](#)

Source: *MMWR* November 27, 2009 / 58(46);1296-1299

Author(s): CW Shepard, MD, K Gallagher, MPH, SD Bodach, MPH, A Kowalski, MPH, AS Terzian, PhD, E Begier, MD, I Weisfuse, MD, New York City Dept of Health and Mental Hygiene. S Blank, MD, Div of Sexually Transmitted Diseases Prevention; BM Branson, MD, Div of HIV/AIDS Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, CDC.

[Cost-effectiveness analysis of rapid diagnostic test, microscopy and syndromic approach in the diagnosis of malaria in Nigeria: implications for scaling-up deployment of ACT.](#)

Source: *Malar J.* 2009 Nov 23;8(1):265. [Epub ahead of print]

Author(s): Uzochukwu BS, Obikeze EN, Onwujekwe OE, Onoka CA, Griffiths UK.

[TEMPOtest: Encouraging the Development and Use of Microbiological Point-of-Care Testing via Harmonized Quality Control Standards and Statistics](#)

Source: Poster Presentations from European Meeting on Molecular Diagnostics, Oct. 22-23, 2009, The Netherlands

Author(s): J P HAYS¹, P Wallace,² 1. Department of Medical Microbiology and Infectious Diseases Erasmus MC

Postbus 2040 3000CA Rotterdam The Netherlands 2. Quality Control for Molecular Diagnostics (QCMD) Block 4.1
Kelvin Campus West of Scotland Science Park Glasgow G20 OSP Scotland UK

Quality management in point of care testing

Source: Abstracts: DGKL Congress of Clinical Chemistry and Laboratory Medicine, Leipzig, October 7-10, 2009

Author(s): A. Petersmann*¹, M. Nauck¹ ¹Universitätsklinikum Greifswald, Institut für Klinische Chemie und Laboratoriumsmedizin, Greifswald, Germany

POCT - state-of-the-art and perspectives

Source: Abstracts: DGKL Congress of Clinical Chemistry and Laboratory Medicine, Leipzig, October 7-10, 2009

Author(s): P.B. Lupp^a*¹ ¹Klinikum rechts der Isar der Technischen Universität München, Institut für Klinische Chemie und Pathobiochemie, München, Germany

International Normalized Ratio (INR) Determined by Plasma-Based Methods Versus Point-of-Care Instruments in Patients with Antiphospholipid Antibody Syndrome

Source: 2009 ASH posters, December 5-8, 2009 New Orleans, La.

Author(s): Stephan Moll, MD¹, Lauren McKnight, PharmD^{2*} and Allison Deal^{3*} ¹School of Medicine, University of North Carolina, Chapel Hill, NC ²Pharmacy, UNC Health Care, Chapel Hill, NC ³Biostatistics and Data Management, UNC Lineberger Comprehensive Cancer Center, Chapel Hill, NC

First Prospective Comparison Between Platelet Function Tests in Prediction of Clinical Outcome in 1100 Patients Undergoing Coronary Stent Placement: Do Point-of-Care Platelet Function Assays Predict Clinical Outcomes in Clopidogrel Pretreated Patients Undergoing Elective PCI (POPular Study) (note this oral abstract was selected as one of the best presented at the meeting)

Source: Posters from 2009 AHA Meeting, Nov 14-18, Orlando, Florida

Author(s): Nicoline J Breet, Heleen J Bouman, Jochem W van Werkum, Henk Ruven, Christian M Hackeng, Jurrie n M ten Berg; St.Antonius Hosp, Nieuwegein, Netherlands

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