
P-01 AI-assisted Karyotyping Improves Accuracy and Efficiency on a Large Scale in Cytogenetics Laboratories

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P-02 Clinical Utility and Accuracy of an AI-Driven Genomic Interpretation Platform in Rare Disease Diagnosis

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P-03 Efficiency of Karyotype Analysis Using an AI-Based Automated Chromosome Analyzer

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P-04 Machine learning-based identification of healthcare risk groups using Korea Health Panel data: a deep learning clustering approach

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P-05 An AI-Driven Platform for Standardized Laboratory Test Result Integration in Inter-Hospital Emergency Transfers

John Hoon Rim, Jinwoo Myung

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P-06 Current Status and Issues of Whole Genome Analysis for Clinical Use in Japan

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P-07 UF-5000 Atyp.C as a Potential Diagnostic Platform for Urothelial Carcinoma

Kazuhiro Okada, Saori Irie, Kenji Kuboyama, Chika Nakamoto, Toshiki Tarumizu, Yuko Takuma, Nana Nakashima, Hiroyuki Kawano, Yoshiki Naito

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P-08 Distinct Serological Profiles of Early Gastric Cancer Subtypes: Preserved Pepsinogen I Levels in Diffuse Type

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P-09 Toward Clinical Implementation - A Trial of a Fully Automated NGS Workflow for Comprehensive Genomic Profiling Using the Ion Torrent Genexus Sequencer

Naoki Miyamoto, Ryosuke Kajiwara, Yuka Ichinose, Fumi Yokoyama, Kenji Inoue, Hiroyuki Kawano, Yoshiki Naito

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P-10 A novel microRNA based biomarker linking tumor aggressiveness and chemotherapy response in bladder cancer

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P-11 A simple polyamine-based method for efficient isolation of extracellular vesicles applicable to liquid biopsy

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P-12 Sensitivity of digital droplet PCR versus real-time PCR in detecting p53 R248 polymorphism in circulating tumor DNA: Potential implications in early diagnosis in head and neck squamous cell carcinoma

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P-13 Dynamics of VEGF-A Isoform Expression Under Conditions Mimicking the Tumor Microenvironment

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P-14 A Case of Immune Checkpoint Inhibitor-Associated Myocarditis with a Markedly Elevated CK-MB Relative Index Exceeding 50

Yoko Usami, Harue Suzuki, Akari Yamamoto, Satoshi Fujimura, Shixing Wu, Riho Shimizu, Nau Ishimine

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P-15 Withdrawn

P-16 Automated Imaging of Bone Marrow Smears with a System Designed for Clinical Microscope Integration

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P-17 Basic Performance Evaluation of Bone Marrow Cell Analysis Using the aetherAI Hema-BM18 System

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P-18 Impact of Oral Iron Supplementation and Dietary Counseling on Hemoglobin Recovery in Donors Deferred for Low Hemoglobin

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P-19 Development of a deep learning-based blood cell classification model for identifying blood cells from digital images of peripheral blood smear slides

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P-20 Establishment of direct measurement method for erythrocyte phospholipid content

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P-21 Evaluation of Red Blood Cell Ratio as a Marker for Red Blood Cell Agglutination on the Sysmex XN-9000

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- P-22** Limitations of Packed Cell Volume Measurement in the International Standardization of Mean Corpuscular Volume
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- P-23** Comparative Evaluation of EDTA, SST, and Sodium Citrate Blood Collection Tubes from Two Different Manufacturers
Jooheon Park¹, Hyun-Woo Choi², Jeong-Hwa Choi², Sae-Hee Jeong², Seung-Jung Kee²
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- P-24** Analytical Performance Evaluation of the PBIA-100A Automated Hematology Image Analyzer in Comparison with Manual Differential Counts
Ji Young Lee, Seung A Jung, In Suk Kim
Yangsan Pusan National University Hospital
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- P-25** Standardization and Implementation of PBMC Banking using a Next Generation Automated PBMC isolation device with an Electrode Tip
Hiromitsu Tazawa
Kyoto University Hospital Clinical Bio-resource Center
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- P-26** Automation of Flow Cytometry: Implementation and Impact in a Clinical Setting
Haruki Mitsuya¹, Yuka Yasuno¹, Yu Aruga^{1,2}, Risa Ootsuka¹, Chiaki Ikeda¹, Miyuki Wagatsuma¹, Chiaki Hayashi¹, Shigeki Yamazaki¹, Hirotsuka Matsui^{1,2}
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- P-27** Withdrawn
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- P-28** The association between peripheral blood monocyte subsets and clinical manifestations in microscopic polyangiitis.
Ryota Masutani^{1,2}, Shogo Matsuda³, Emiko Tanaka¹, Meri Kubota¹, Mikio Watanabe², Akira Asai¹
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- P-29** Evaluation and Improvement of Transfusion Appropriateness Through Continuous Audit and Feedback in a Tertiary Care Hospital
Moon Jung Kim¹, Sungran Cho², Quehn Park¹, Soo-Young Yoon³
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- P-30** Evaluation of Workflow Efficiency in CMV Quantification Using the Fully Automated System
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- P-31** Withdrawn
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- P-32** Performance Evaluation for CMV DNA Quantification : Fully Automated system and Real-Time PCR
Myungshin Kim, Chaeyeon Lee, Yuna Hong, Eunbi Ko, Jeonghan Lee, Seonghyeon Moon
The Catholic University of Korea Seoul ST.MARY'S Hospital
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- P-33** First Report of serological exposure to Severe Fever with Thrombocytopenia Syndrome Virus in Sabah, Malaysian Borneo.
*Daisuke Mori*¹, *Jecelyn Leaslie John*², *Mya Myat Ngwe Tun*³, *Takaaki Yahiro*⁴, *Kimberly Fornace*^{5,6}, *Chris Drakeley*⁶, *Kouichi Morita*³, *Akira Nishizono*⁴, *Kamruddin Ahmed*^{2,7}, *Yasuhito Tanaka*⁸
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- P-34** Assessment of HIV Screening and HIV-2 Detection Capability in Korea
Yong Kwan Lim^{1,2}, *John Hoon Rim*³, *Hongkyung Kim*^{1,2}
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- P-35** Performance evaluation of the Alinity M system for BK virus quantification in plasma and urine specimens
Min Jin Kim, *Hyejin Ryu*, *Jin Wook Kim*, *Hoon Cho*, *Yong-Hak Sohn*
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- P-36** Machine learning based analysis of leucocyte cell population data by an automatic hematology analyzer for the diagnosis of bacteremia
*Sadashi Horie*¹, *Kenta Matsumura*², *Isao Kitajima*³, *Chihaya Imai*¹, *Hideki Niimi*⁴
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- P-37** Implementation of the FilmArray Fully Automated Genetic Analysis System and Its Operational Advantages
*Yuki Hashikura*¹, *Ryoya Megumi*¹, *Akiteru Yamada*¹, *Nanase Nariai*¹, *Ayano Nakamori*¹, *Yoshihiro Uno*¹, *Saya Iwasaki*¹, *Nobuyuki Takeda*¹, *Misaki Izaki*¹, *Kunihiko Umekita*^{1,2}
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- P-38** Rapid estimation of Mycobacterium abscessus colony morphology using MALDI-TOF MS
Noriyuki Abe, *Mikio Kamioka*
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- P-39** Assessment of the usefulness of core genome MLST for investigating MRSA transmission
*Mika Murata*¹, *Fujiko Kaseida*^{1,2}, *Daisuke Sasaki*¹, *Norihito Kaku*^{1,2}, *Kosuke Kosai*^{1,2}, *Hiroo Hasegawa*^{1,2}, *Katsunori Yanagihara*^{1,2}
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- P-40** Effect of a 24-Hour Subculture System on Antimicrobial Stewardship in Blood-Culture Contamination Cases
*Yoko Oyama*¹, *Kazunori Takenouchi*^{1,2}, *Yuki Obama*^{1,2}, *Sadayuki Higashi*², *Chieko Fujisaki*³, *Akito Tabaru*¹, *Fuminori Namino*¹, *Teruto Hashiguchi*², *Munekazu Yamakuchi*^{1,2,3}
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- P-41** Detection of oxacillin-susceptible mecA-positive Staphylococcus aureus (OS-MRSA) at Nagasaki University Hospital, Japan
*Yui Shigeishi*¹, *Yasuhide Kawamoto*¹, *Daisuke Sasaki*¹, *Kosuke Kosai*^{1,2}, *Norihito Kaku*^{1,2}, *Fujiko Mitsueda-Kaseida*^{1,2}, *Katsunori Yanagihara*^{1,2}
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P-42 Local Surveillance of the Antimicrobial-Resistant Bacteria in Nagasaki, Japan

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P-43 Analytical Performance of the "Nanopia PCT-A", in Reducing Nonspecific Reactions in the Latex Immunoturbidimetric Assay

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P-44 Diagnostic Utility of Monocyte Distribution Width for Early Sepsis Detection in Cancer-Enriched Emergency Cohort

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P-45 Clinical utility of inflammatory biomarkers for diagnosis and prognosis prediction of sepsis

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P-46 Limitations of Hemoglobin A1c in Patients with Altered Erythrocyte Dynamics: Insights from Reticulocyte Ratio Analysis

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P-47 Analytical Performance Evaluation of the Tosoh HLC-723 GR01 HbA1c Analyzer

Pil Whan Park, Joohee Lee, Yiel Hea Seo, Ja Young Seo, Jeong Yeal Ahn, Daewon Kim

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P-48 Assessment of laboratory and point-of-care glucose measurement methods among diabetic patients: A prospective study

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P-49 Analytical Performance Evaluation of the ARKRAY ADAMS A1c HA-8190V Analyzer

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P-50 Comparison of HbA1c measurement accuracy and variant flagging across assays in Hb G-Coushatta and Queens variants

Jong Do Seo¹, Yeon Jae Lee¹, Jiyun Kim¹, Sang Gyeu Choi¹, Juhee Choi¹, Kyunghoon Lee², Joon Hee Lee², Sun-Hee Jun², Junghan Song², Yeo-Min Yun¹

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P-51 Screening Outcomes and Confirmatory Insights Based on Biochemical Testing for Lysosomal Storage Disorders in Korea

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- P-52** Reference intervals for GFAP and UCH-L1, potential blood biomarkers of central nervous system in healthy adults in Japan
Masaomi Kono¹, Hitomi Haga¹, Midori Ishibashi¹, Takumi Ueda², Tomomi Chiba², Ippei Tanaka², Toru Yoshimura², Akira Suwabe¹
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-
- P-53** Automated measurement of plasma carboxylesterase 1 as a novel biomarker for steatotic liver disease: analytical verification and clinical performance evaluation
Shingo Tanaka^{1,2}, Makito Tanaka^{1,2}, Ryo Kobayashi², Ryosei Mura², Satoshi Takahashi^{1,2}
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- P-54** Evaluation of clinical utility of a novel vitamin D derivatization reagent
Shota Muramatsu¹, Terumichi Nakagawa¹, Kaori Hara-Isono³, Kazumi Morisawa³, Emi Aoki¹, Akiko Sakai¹, Akemi Ohno¹, Tomoko Arai¹, Masatoshi Wakui^{1,2}, Hiromichi Matsushita^{1,2}
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- P-55** Analytical Performance of a Novel Latex Turbidimetric Immunoassay, "Nanopia P1NP", for intact P1NP Measurement
Wataru Murata¹, Mina Saito¹, Yui Ito¹, Mayuka Mitsuoaka¹, Manami Iwasaki², Kazuki Kirihara², Yosuke Yamatomo², Kohei Matsuda², Keita Yamashita¹, Masato Maekawa¹
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- P-56** Harmonization of Ionized Calcium Measured in Point-of-Care Testing Devices
Yonggeun Cho
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- P-57** Validation of a 96-well plate-based assay for cholesterol efflux capacity
Saki Izumi, Akira Yoshimoto, Hanae Akiyama, Tsunehiro Miyakoshi, Ryunosuke Ohkawa
Clinical Bioanalysis and Molecular Biology, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo
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- P-58** Measurement of apolipoprotein transfer rate between very low-density lipoprotein and high-density lipoprotein for triglyceride metabolism evaluation
Misaki Tanaka¹, Akira Yoshimoto¹, Azusa Yamazaki^{1,2}, Chengman Sun¹, Rina Kawaguchi¹, Ryunosuke Ohkawa¹
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- P-59** Analytical Accuracy and Traceability Evaluation of Automated Routine Lipid Assays in Laboratory Automation Systems
Jiyun Kim¹, Jong Do Seo¹, Juhee Choi¹, Sang Gyeu Choi¹, Kyunghoon Lee², Junghan Song², Sang-Guk Lee³, Chan-Ik Cho⁴, Yeon-Min Yun¹
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- P-60** ApoB-LDL-C discordance refines cardiovascular risk stratification in metabolically healthy obesity
Jee Ah Kim, Min-Seung Park, Eun Hye Cho, Min-Jung Kwon, Hee-Yeon Woo, Hyosoon Park
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- P-61** Efforts to establish an accuracy-management system for inter-examiner variability in electrocardiography: Analysis using coverage probability
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- P-62** Atrial Reverse Remodeling Biomarkers Following Catheter Ablation for Atrial Fibrillation
*Hiroshi Kasabata*¹, *Munekazu Yamakuchi*^{1,2}, *Yasuhisa Iriki*³, *Kaori Nakashima*¹, *Ryuichi Maenosono*¹, *Fuminori Namino*¹, *Mitsuru Ohishi*³, *Teruto Hashiguchi*²
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- P-63** Influence of DOACs on assays for detecting lupus anticoagulants
*Konomi Igarashi-Tamura*¹, *Masatoshi Wakui*², *Shusaku Oka*¹, *Yuta Fujimori*¹, *Shoko Nakamura*¹, *Terumichi Nakagawa*¹, *Mika Araki*¹, *Yoko Yatabe*¹, *Tomoko Arai*¹, *Hiromichi Matsushita*²
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-
- P-64** Comparative Evaluation of Anticoagulant Activity Across Several Heparin Preparations
Nao Kikugawa, *Seiji Miyoshi*, *Hidenori Yoshioka*, *Shinya Kaneda*
Otsuka Pharmaceutical Factory, Inc.
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- P-65** Genetic analyses of healthy and patient cohorts reveal PROS1 variants as risk factors for thrombosis
Saori Ueda^{1,2}, *Aoi Nishida*³, *Shinya Matsumoto*², *Akiyoshi Fujishima*², *Yasushi Ueyanagi*², *Sachiko Kanaji*^{2,3}, *Daiki Setoyama*², *Semba Yuichiro*^{4,5}, *Ayumi Sakata*², *Yuya Kunisaki*^{2,3}
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- P-66** Evaluation of Diagnostic Performance and Clinical Utility of D-dimer Measurement in EDTA-2K Whole Blood Using the Automated Hematology and Chemistry Analyzer MEK-1303 Celltac α +
*Makoto Kaneko*¹, *Michiyo Matsukuma*¹, *Akemi Maejima*¹, *Yumi Saigusa*², *Daiken Kin*², *Chikako Kurokawa*³
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- P-67** Construction of an AI-based model for estimating causes of APTT prolongation using clot waveform analysis (CWA)
*Daiki Shimomura*¹, *Tomoko Matsumoto*², *Masato Matsuda*³, *Takeshi Suzuki*⁴, *Yuka Tabuchi*⁴, *Hiroshi Kurono*⁴, *Keisuke Nishi*⁴, *Nobuo Arai*⁴, *Masato Moriyama*^{5,6}, *Masashi Shimada*¹, *Mikio Kamioka*¹
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- P-68** Analytical Comparison of Ready-to-Use and Lyophilized Thromboplastin Reagents
Jirapa Kaewkhuawan
Division of Laboratory Medicine, King Chulalongkorn memorial hospital
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- P-69** Molecular and cellular basis of deficiency of CalDAG-GEF1 secondary to Arg290Trp mutation in the CDC25 motif domain
Tsuyoshi Kojo^{1,2}, *Munekazu Yamakuchi*^{1,2}, *Akiko Yoshimura*³, *Kazunori Takenouchi*^{1,2}, *Yoko Oyama*¹, *Sadayuki Higashi*², *Yuki Obama*^{1,2}, *Chieko Fujisaki*⁴, *Fuminori Namino*², *Hiroshi Takashima*³, *Teruto Hashiguchi*^{1,2}
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- P-70** Construction of a perfusion model and its effects on the distribution of VWF multimers in plasma
Akito Tabaru^{1,2}, *Akito Hirahara*¹, *Sadayuki Higashi*^{1,2}, *Shuji Tachioka*³, *Kazunori Takenouchi*^{1,2}, *Yoko Oyama*², *Chieko Fujisaki*^{1,4}, *Munekazu Yamakuchi*^{1,2,4}, *Teruto Hashiguchi*^{1,2}
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- P-71** Evaluation of Biochemical Parameter Changes During Pregnancy in Korean Women
Kyeongmi Kim
Department of Laboratory medicine, CHA Ilisan Medical Center, CHA University, Goyang, Republic of Korea
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- P-72** Mean Platelet Volume/Platelet ratio in Patients with Eclampsia and Preeclampsia
Sun Young Cho, *Won Ho Lee*, *Jina Choi*
Kyung Hee University Hospital
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- P-73** Evaluation of AI visual processing performance for the interpretation of urinalysis dipstick
*Steven Tsai*¹, *Kieren Cheng*¹, *Gordon Toh*²
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- P-74** Evaluation of the clinical significance of automated urinary sediment-based reflex urine culture rules using the UF-5000 analyzer
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- P-75** Post-Relocation Performance Stability of Sysmex UC-3500 and UF-5000 Automated Urinalysis Systems
Woojae Kwoun, *Mijung Im*
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- P-76** Performance evaluation of the cloud-based service "AUTION EYE Smart Assist" for the AUTION EYE AI-4510
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- P-78** The smart real-time reaction process monitoring program "MiRuDa" visualizes analytical process errors.
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- P-79** Simulation Study of Laboratory Benefits from Adopting the New Reagent Delivery System Sysmex RU-20 in the Clinical Hematology Division
Tae Eun Jeong, *In Won Hwang*, *Min Wook Kim*, *Byeoung Mun Kang*, *Won Kyo In*
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- P-80** Study of Tacrolimus Calibrator and Reagent Matrix Effect
Haeyong Jung
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- P-81** Application of sigma metrics for the assessment and Modification of quality control in clinical chemistry laboratories at Sakon Nakhon Hospital, Thailand
Phatcharin Thipthong
Sakonnakorn Hospital
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- P-82** Comparisons between Three Vacuum Blood Collection Tubes for Clinical Chemistry testing in Laboratory Practice
Minjeong Park, Nuri Lee, Wonkeun Song, Joowook Lee, Seri Jeong
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- P-83** Impact of retesting on turnaround time and result variation in high-retest-rate chemistry and electrolyte tests: a retrospective analysis
Ha Nui Kim
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- P-84** Streamlining the Critical Value Reporting System Using the Laboratory Information System
Misaki Izaki¹, Yuki Hashikura¹, Misato Meiri¹, Masaki Yanagi¹, Megumi Kawakami¹, Katsumi Kawano¹, Akiteru Yamada¹, Megumi Yuge¹, Yoshikazu Ogata¹, Kunihiko Umekita^{1,2}
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- P-85** Comparison of Manual and Automated Sample Transport Systems in Turnaround Time, Workflow Stability, and Quality Assurance in Routine Laboratory Testing
JeongHui Kim, Keiji Matsui, Yukari Koida, Tomoe Kikuma, Yuki Watanabe, Chinami Oyabu, Yoko Okazaki, Itsuko Sato, Takamitsu Imanishi, Sho Sendo
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- P-86** Evaluation of Discrepancies between Semi-Quantitative Dipstick Testing and Automated Quantitative Biochemical Assay for Urine Creatinine
Hiroko Ikari¹, Tomohiro Yamakawa¹, Norihito Kaku^{1,2}, Yumi Takada¹, Maiko Yoshida¹, Takayoshi Kiya¹, Go Yasutake^{1,2}, Shota Kikuchi^{1,2}, Fujiko Mitsumoto Kaseida^{1,2}, Hiroo Hasegawa^{1,2}, Katsunori Yanagihara^{1,2}
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- P-87** Comparative evaluation of CLIA and ECLIA methods for TSH, FT3, and FT4 measurement
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- P-88** Initiatives Toward Standardizing Clinical Laboratory Test Result Display in Regional Medical Information Network Systems
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- P-89** Sequential In-Hospital Calibration Verification Using IQC Reference Material as Trueness Control Material, with Value Assigned Based on Results from Six Fresh-Blood-Verified Automated Hematology Analyzer
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- P-91** Improving Specimen Identification and Quality through CQI Activities
Soo Young Moon, Chiwoon Yoon, Jaewook Kim, Gwiyoung Oh
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- P-92** Implementation and recalibration of EWMA-based patient real-time quality control in routine chemistry: a ten-week operational study
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- P-93** Labor-saving strategies in a university hospital clinical laboratory under increasing test demand and workforce constraints
Tomohiro Ueno, Yumiko Cho, Nobuaki Hata, Hiroki Shoji, Akiko Ueda, Mitsuyoshi Takahara
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- P-94** Workforce readiness for digital transformation self-reported of digital skills laboratory technicians in Mongolia
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- P-95** Improving Workflow Efficiency for Immunoassay Samples Exceeding the AMR Upper Limit Using an Automated Dilution Protocol
Se-eun Koo, Yeon-Hee Park, Hyesung Kim, Hyung-Doo Park
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- P-96** Impact of calibration factor scaling on quality control stability in a high-throughput hematology system
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- P-97** Impact of Workflow Modification and Analyzer Expansion on Automation Completion Time in a High-Volume Clinical Laboratory
Soo Young Moon, Chiwoon Yoon, Jaewook Kim, Gwiyoung Oh
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- P-98** Implementation of a zero-missing specimen management system to reduce unsubmitted laboratory tests and improve patient satisfaction
Eunji Hwang, Seunghee Shin, Hyungsik Shin, Yoonkyung Song, Seungman Park, Dohoon Lee
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P-99 Evaluation of Criteria for Defining Allowable Intervals in External Quality Assessment Programs

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P-100 Construction of a Robotics-Integrated Automated Biobanking Platform at Kagoshima University for Accelerating Infectious Disease Research

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