The 30th Annual Meeting for the Japanese Society of Therapeutic Drug Monitoring

May 25-26, 2013 Kumamoto, Japan

Citizens Hall Sojo University Hall, 860-0805, 1-3, Sakuramachi, Chuo-Ku, Kumamoto City

Kumamoto City International Center, 860-0806, 4-18, hanahatacho, Chuo-Ku, Kumamoto City

Chairperson: Sumio Hirata (Division of Clinical Pharmacology, Faculty of Pharmaceutical Sciences, Kumamoto University)

Main theme:

TDM, New Challenge - 30th Anniversary in Kumamoto-

Main program content

President’s Lecture

Challenge of TDM –From clinical practice to basic study, and feed back into the clinical practice–.

Kazuyuki Ueno
Department of Pharmaceutical Sciences, Niigata University of Pharmacy and Applied Life Sciences
Invited Lecture

Therapeutic drug monitoring - key to personalized pharmacotherapy

Michael Oellerich, George-August-University, Germany

Plenary Lecture

Science and Practice for TDM

Yusuke Tanigawara
Department of Clinical PK/PD, School of Medicine, Keio University

Symposium 1

Therapeutic Drug Monitoring in patients with decreased renal function

Organizers: Sumio Hirata, Faculty of Pharmaceutical Sciences, Kumamoto University
            Hironori Takeuchi, Division of Clinical Pharmacology, Department of Practical Pharmacy, Tokyo University of Pharmacy and Life Sciences

1. Dosage optimization of antibiotics and TDM consultation for patients with renal failure including patients receiving renal replacement therapy.
Yamamoto Takehito
Department of Pharmacy, the University of Tokyo Hospital

2. Approach for evaluating the renal function and its practical application on Antibacterial drug administration plan
Akihiro Tanaka
Division of Pharmacy, Ehime University Hospital

3. Therapeutic drug monitoring in dialysis patients- Beyond a current setting-.
Taku Furukubo
Department of Pharmacy Service, Shirasagi Hospital
4. TDM for renal excretion drug in cardiovascular disease
Yorinobu Maeda
Department of Pharmacy, Osaka Rosai Hospital
Therapeutic drug monitoring of Immunosuppressive drug in renal disorder
Hironori Takeuchi
Department of Practical Pharmacy, Tokyo University of Pharmacy and Life Sciences

■ Symposium 2  English sub-slides are prepared


Organizers: Ichiro Ieiri, Clinical Pharmaceutics Department of Pharmaceutical Health Care and Sciences, Faculty of Pharmaceutical Sciences, Kyushu University
Nobuo Inotsume, Department of Clinical Pharmacology, Hokkaido Pharmaceutical University

1. Do microRNA studies shed light on the missing heritability associated with the concurrent PGX approach for the interindividual variability of PK/PD?
Hirotohi Echizen
Department of Pharmacotherapy, Meiji Pharmaceutical University,

2. Circulating microRNA: A novel potential biomarker for the expression and function of drug transporter
Takeshi Hirota
Department of Clinical Pharmacokinetics, Graduate School of Pharmaceutical Sciences, Kyushu University

3. MicroRNAs in Red Blood Cells: miR-451 is a biomarker for erythropoiesis
Tsukuru Umemura
Department of Health Sciences, Graduate School of Medical Sciences, Kyushu University

4. Role of miRNAs in regulating the expression of drug-metabolizing enzymes and as potential biomarkers for toxicity
Tsuyoshi Yokoi
Drug Metabolism and Toxicology, Faculty of Pharmaceutical Sciences, Kanazawa University
Symposium 3

Verification of the practice TDM guideline for antibiotics

Organizers: Toshimi Kimura, Department of Pharmacy, Tokyo Women's Medical University Hospital
            Masahiro Kobayashi, Department of Pharmacy, Kitasato University Hospital

1. **Standard and advanced use of vancomycin based on TDM Guideline**
   Yasuhiro Tsuji
   Department of Medical Pharmaceutics, Graduate School of Medicine and Pharmaceutical Sciences for Research, University of Toyama

2. **Standard and advanced use of teicoplanin based on TDM guideline**
   Yuichi Muraki
   Department of Pharmacy, Mie University Hospital

3. **Efficacy and administration design of aminoglycosides on the basis of the TDM guidelines for antibiotics**
   Nobu Akiyama
   Teikyo University School of Medicine, Department of Medicine

4. **Usefulness of TDM guideline (VRCZ)**
   Yuka Yamagishi
   Department of Clinical Infectious Diseases, Aichi Medical University Hospital

Symposium 4

TDM and clinical toxicology – monitoring for preventing toxicity

Organizers: Chiyo Imamura, Clinical Pharmaceutical Science, School of Medicine, Keio University
            Kousei Ito, Graduate School of Pharmaceutical Sciences, Chiba University

1. **Bloodpurification treatment and TDM in patients with drug overdose**
   Chiyo Imamura
   Clinical Pharmaceutical Science, School of Medicine, Keio University
2. **Evaluation of analytical works for poisons at emergency and critical care centers**  
Yasushi Hori  
Department of Hospital Pharmacy, Niigata City General Hospital

3. **HLA alleles associated with severe skin rash induced by carbamazepine**  
Taisei Mushiroda  
RIKEN Center for Integrative Medical Sciences

4. **Bidirectional approach for the prediction of drug-induced liver injury from the clinical side and the basic side**  
Kousei Ito  
Graduate School of Pharmaceutical Sciences, Chiba University

**Educational Lectures**

1. **Up to date knowledge of anti-MRSA agents**  
Kazuaki Matsumoto  
Department of Clinical Pharmacy and Pharmacology, Graduate School of Medical and Dental Sciences, Kagoshima University

2. **Pharmacokinetics and dose adjustment of oncologic drugs in special populations**  
Chiyo Imamura  
Clinical Pharmaceutical Science, School of Medicine, Keio University

**Excellent paper Award of Jpn J Ther Drug Monitor**

Population Pharmacokinetics of Bepridil in Patients with Atrial Fibrillation  
Kyoko Fukumoto  
Department of Pharmaceutical Sciences, Niigata University of Pharmacy and Applied Life Science

2. **Pharmacokinetics of high dose oral Levofloxacin in Japanese patients undergoing maintenance hemodialysis**  
Motoki Urata  
Department of Pharmacy, Ohno Memorial Hospital
**Plenary Session**

1. Correlation between serum linezolid concentration and the development of thrombocytopenia
   Yoichi Hiraki
   Department of Pharmacy, National Hospital Organization Kumamoto Medical Center

2. CYP2D6 genotype-based dose-adjustment study of tamoxifen in Japanese breast cancer patients
   Kazuma Kiyotani
   Research Group for Pharmacogenomics, RIKEN Center for Integrative Medical Sciences, Yokohama

   Yuko Shimamoto
   Department of Pharmacy, National Cerebral and Cardiovascular Center, Osaka, Japan

4. Optimization of sulbactam regimens against acinetobacter baumannii based on Pharmacokinetics and pharmacodynamics
   Yuta Yokoyama
   Department of Clinical Pharmacy and Pharmacology, Graduate School of Medical and Dental Sciences, Kagoshima University

**Educational Seminars**

1. Clinical practice of imatinib therapy using TDM
   Akinobu Hamada
   Division of Integrative Omics and Bioinformatics, National Cancer Center Research Institute

2. Therapeutic drug monitoring (TDM) of antiepileptic drugs in clinical practice - Case study of TDM for phenytoin-
   Katsuya Suemaru
   School of Pharmacy, Shujitsu University
3. TDM study of vancomycin by clinical cases
Yorinobu Maeda
Department of Pharmacy, Chugoku Rosai Hospital

4. Practice of TDM in teicoplanin learned from cases
Takashi Ueda
Department of Infection Control and Prevention, Hyogo College of Medicine

5. Significance of determination of blood acetaminophen levels, learned from clinical cases
Yoshito Kamijo
Department of Clinical Toxicology & Psycho-physical Emergency Medicine

6. Case study in antibiotics treatment and Clostridium difficile infection
Hiroshi Fujii
Department of Pharmacy, Kumamoto Social Insurance General Hospital

7. Four years experiences of using Everolimus in de novo kidney transplantation at Nagoya Daini Red Cross Hospital
Yoshihiko Watarai
Department of Transplant Surgery, Nagoya Daini Red Cross Hospital
Current immunosuppression strategy and the enhanced importance of drug monitoring in renal transplantation after the appearance of Everolimus (Certican®)
Hiroshi Harada
Director, Department of Kidney Transplant Surgery, Sapporo City General Hospital, Sapporo

8. Practice of TDM in immunosuppressive therapy with cyclosporine and tacrolimus learned from cases
Satohiro Masuda
Department of Pharmacy, Kyoto University Hospital

■Skill up Seminar for TDM

1. Point of attention in TDM: proper sample handling
Kana Matsumoto
Department of Clinical Pharmaceutics, Faculty of Pharmaceutical Sciences, Doshisha Women's College of Liberal Arts
2. Basic knowledge and skills for pharmacokinetic-pharmacodynamic analysis
Kazuro Ikawa
Department of Clinical Pharmacotherapy, Hiroshima University

3. Interpretation of pharmacokinetic parameters - Clinical Application for Software
Analysis -
Noriyasu Fukuoka
School of Pharmacy, Laboratory of Hospital Pharmacy, Nihon University

■ Experiential Workshop of TDM support software
1. What's your problem? Let's find out and get started with us!
2. Please understand TDM support software and analyze pharmacokinetics!
Yoichi Hiraki
Department of Pharmacy, National Hospital Organization Kumamoto Medical Center

■ Luncheon Seminars
1. Expounder; Practice guidelines for therapeutic drug monitoring
Masahiro Kobayashi
Department of Pharmacy, Kitasato University Hospital

2. Clinical usefulness of UGT1A1 genetic polymorphism for irinotecan-based chemotherapy
Yuichi Ando
Department of Clinical Oncology and Chemotherapy Nagoya University Hospital

3. New Insights of CKD-MBD (Chronic kidney disease-Mineral and Bone disorder)
Motoko Tanaka
Department of Nephrology, Akebono Clinic

4. Antibiotic heterogeneity in anti-MRSA drugs
Yoshio Takesue
Hyogo College of Medicine, Department of Infection Control and Prevention
5. Therapeutic Drug Monitoring of Antiarrhythmic Agents
Kazuyuki Ueno
Department of Pharmaceutical Sciences, Niigata University of Pharmacy and Applied Life Sciences

6. Management of deep fungal infection using therapeutic drug monitoring in allogeneic hematopoietic stem cell transplant recipients
Takehiko Mori
Division of Hematology, Department of Medicine, Keio University School of Medicine

■ General Presentations
21 Oral Presentations
44 Poster Presentations

■ Banquets
19:00 - 21:00, 25th of May (Saturday)
Kikunoma, 6th Floor, Kumamoto Kotsu Center Hotel

■ Registration Fees
JSTDM Member ¥9,000
JSTDM Non-member ¥9,000
Student ¥3,000
Convivial Party ¥6,000

■ Contact
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