DHM 2020, Drug Hypersensitivity Meeting  
2 - 4 April 2020  
Verona, Italy

Scientific Programme

Thursday, 2 April 2020

12:00 - 13:30  
Foyer Registration

13:30 - 14:00  
Room: Auditorium - Plenary Room  
Welcome Address  
Patrizia Bonadonna, Italy | Gianenrico Senna, Italy | Ingrid Terrehorst, The Netherlands

14:00 - 14:30  
Room: Auditorium - Plenary Room  
Opening Lecture  
- Drug hypersensitivity: its place in allergy and in medicine, its challenge, its future  
  Knut Brockow, Germany

14:30 - 16:00  
Room: Auditorium - Plenary Room  
Session 1 - Immediate drug hypersensitivity  
Chair: Knut Brockow, Germany | Mauro Pagani, Italy

14:30 - 15:00  
- Important but neglected facts on IgE-mediated drug allergy  
  Werner J. Pichler, Switzerland

15:00 - 15:30  
- Allergic and non allergic drug reactions: do they have something in common?  
  Francesca Levi-Schoffer, Israel

15:30 - 16:00  
- Anaphylaxis to drugs at first sight: where, how and to what sensitizations occur?  
  Uta Jappe, Germany

16:00 - 16:30  
Coffee break - Room: Loggiata - Exhibition, Catering

16:30 - 18:00  
Room: Auditorium - Plenary Room  
Session 2 - Clinical approach of drug allergy  
Chairs: Patrizia Bonadonna, Italy | Maria Beatrice Bilò, Italy

16:30 - 16:55  
- How long drug hypersensitivity last forever?  
  Maria J. Torres, Spain

16:55 - 17:20  
- Update on anaphylaxis to chemotherapy: symptoms and prevention  
  Mauro Pagani, Italy

Room: Polifunzionale - Break-out 1  
Session 2 - Basic Science: Pathomechanism of delayed reactions  
Chair: Werner J. Pichler, Switzerland | Riichiro Abe, Japan

- Carbamazepin hypersensitivity reactions: structural insight and animal model  
  Shuen-Lu Hung, Taiwan

- Analysis of drug reactivity in SCARs: single-cell RNA sequencing  
  Doyoung Kim, South Korea
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| 17:00 - 17:45 | Update on desensitisation in allergic and non-allergic drug hypersensitivity reactions and its pitfalls  
Mariana Castells, United States  
OP04 -                                              |
| 17:45 - 18:00 | OP01 -  
OP02 -  
OP03 -                                              |

**18:00 – 20:00**

**Room: Buvette - Poster Viewing**  
**Poster Discussion Session I - P01-P130**

Group 1: P01-P13 (13)  
Chair:  
Group 2: P14-P26 (13)  
Chair:  
Group 3: P27-P39 (13)  
Chair:  
Group 4: P40-P52 (13)  
Chair:  
Group 5: P53-P65 (13)  
Chair:  
Group 6: P66-P78 (13)  
Chair:  
Group 7: P79-P91 (13)  
Chair:  
Group 8: P92-P104 (13)  
Chair:  
Group 9: P105-P117 (13)  
Chair:  
Group 10: P118-P130 (13)  
Chair:  

**Friday, 3 April 2020**

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| 07:30 - 08:15 | Room: Auditorium - Plenary  
Session 3 - Breakfast seminar: Meet the Expert 1  
Reactions to vaccine  
Giovanna Zanoni, Italy                                               |
|              | Room: Polifunzionale - Break-out 1  
Session 3 - Breakfast seminar: Meet the Expert 2  
Clinical approach to hypersensitivity reactions to intravenous iron preparations  
Esther Steveling, Switzerland                                             |
|              | Room: Covegni - Break-out 2  
Session 3 - Breakfast seminar: Meet the Expert 3  
Non-Steroidal Anti-Inflammatory Drugs (NSAIDs) hypersensitivity reactions – need email addresses  
Kathleen Buchheit, USA                                                   |
| 08:30 - 09:30 | Room: Auditorium - Plenary  
Session 4 - Clinical Case 1  
Hypersensitivity reactions to Proton Pump Inhibitors: diagnostic accuracy of skin and oral provocation test  
Carla Lombardo, Italy                                              |
|              | Room: Polifunzionale - Break-out 1  
Session 4 - Clinical Case 2  
How to manage local anaesthetic reactions: suggestions about delayed vs immediate reactions management  
Lene Heise Garvey, Denmark                                               |
### Session 5 - Severe Drug Hypersensitivity Reactions

Chair: Annick Barbaud, France | Maria J. Torres, Spain

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| 09:30 - 11:00 | Room: Auditorium - Plenary  
**Severity score of DRESS/DIHS: a useful tool for assessing disease severity and predicting fatal outcome**  
Yoshiko Mizukawa, Japan |
| 09:30 - 11:00 | Room: Auditorium - Plenary  
**Risk of SJS and TEN related to the new antiepileptic drugs**  
Andreas Bircher, Switzerland |
| 09:55 - 10:20 | Room: Auditorium - Plenary  
**DRESS or SJS to the same drug: what make the difference in clinical manifestation?**  
Elizabeth Phillips, United States |
| 10:20 – 10:45 | Room: Auditorium - Plenary  
**OP05 -** |

11:00 - 11:30 Coffee break - Room: Loggiata - Exhibition, Catering

### Session 6 - Management of patients with Clonal Mastcell Disease and drug allergy (clinical approach)

Chairs: Roberta Zanotti, Italy | Mariana Castells, United States

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| 11:30 - 13:00 | Room: Auditorium - Plenary  
**When to suspect Clonal Mastcell disease?**  
Massimiliano Bonfaccio, Italy |
| 11:30 - 13:00 | Room: Auditorium - Plenary  
**How to perform general anaesthesia in patients with mastocytosis?**  
Lene Heise Garvey, Denmark |
| 11:30 - 13:00 | Room: Auditorium - Plenary  
**Mastocytosis and drug allergy in children**  
Karin Hartmann, Switzerland |
| 11:30 - 13:00 | Room: Auditorium - Plenary  
**OP06 -** |

13:00 - 14:00 Lunch and Poster Discussion Viewing  
**P131 – P198**

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### Session 6 - New technologies in drug hypersensitivity (basic science)

Chair: Andreas Bircher, Switzerland | Elizabeth Phillips, United States

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| 13:00 - 14:00 | Room: Auditorium - Plenary  
**Use of new technological platforms in investigating the pathogenesis of drug hypersensitivity**  
Chonlaphat Sukasemi, Taiwan |
| 13:00 - 14:00 | Room: Auditorium - Plenary  
**Imaging diagnosis of early stage of SJS/TEN using artificial intelligence**  
Riichiro Abe, Japan |
| 13:00 - 14:00 | Room: Auditorium - Plenary  
**Nanotechnology- mimicking protein for IgE determination**  
Maria Isabel Montanez, Spain |
| 13:00 - 14:00 | Room: Auditorium - Plenary  
**OP07 -** |
### Session 7: Immunology beyond drug allergy

**Chair:** Dean Naisbitt, United Kingdom | Cristobalina Mayorga, Spain

- **14:00 - 15:30**
  - Possible tolerance mechanism in drug hypersensitivity
    - Michael A. Norcross, United States
  - Risk T cell hybridomas with drug specific TCR: tools for mechanistic insights and risk assessment
    - Daniel Yerly, Switzerland
  - Tolerance to drugs: natural mechanism and induced tolerance
    - Dean Naisbitt, United Kingdom

### Coffee break

**Room:** Loggiata - Exhibition, Catering

### Session 8: Delayed hypersensitivity reactions (clinical approach)

**Chairs:** Patrizia Bonadonna, Italy | Ingrid Terrehorst, The Netherlands

- **16:00 - 18:00**
  - Provocation test in delayed drug allergy?
    - Annick Barbaud, France
  - Lymphocyte transformation test – correlation with clinical symptoms/signs
    - Oliver Hausmann, Switzerland
  - Unusual and/or rapid clinical manifestations of delayed hypersensitivity
    - Lukas Joerg, Switzerland

- **16:20 - 17:45**
  - OP08 -

### Saturday, 4 April 2020

#### Session 9 - Breakfast seminar: Meet the Expert 1

**Room:** Auditorium - Plenary

- “Treating through” in drug hypersensitivity
  - Axel Trautmann, Germany

**Room:** Polifunzionale - Break-out 1

- Biologicals for treatment of SJS/TEN
  - Chung Wen Hung, Taiwan
- Use of anti-IL-5/anti IL-5R in DRESS
  - James Yun, Australia
- Biomarkers of drug hypersensitivity: latest information on duplication and triplication of α and β tr tryptase genes
  - Mariana Castells, United States

- OP09 -

#### Session 9 - Breakfast seminar: Meet the Expert 2

**Room:** Covegni - Break-out 2

- Management of biological hypersensitivity: diagnosis and prevention
  - Alessandra Vultaggio, Italy

- Desensitization to antibiotics in targeted populations: children, cystic fibrosis, neutropenic patients
  - Josephina Cernadas Rodriguez, Portugal

#### Session 10 - Pro/Con Debate

**Chair:** Knut Brockow, Germany | Maria J. Torres, Spain

- Is premedication required for radio contrast media hypersensitivity?
  - Pro: Paul Greenberger, United States
  - Con: Kathrin Scherer, Switzerland

- Penicillin challenge without prior testing
  - Pro: Kimberly Blumenthal, United States
  - Con: Anca Mirela Chiriac, France
| Time          | Room: Auditorium - Plenary | Session 11 - Role of the MRGPRX2 receptor for immediate non allergic drug hypersensitivity reactions  
Chair: Mariana Castells, United States | Didier Ebo, Belgium |
|---------------|----------------------------|---------------------------------------------------------------|
| 09:30 - 09:55 | MRGPRX2 occupancy on mast cells  
Mateusz Kwitniewski, Poland | MRGPRX2 occupancy on mast cells  
Mateusz Kwitniewski, Poland |
| 09:55 - 10:20 | Basophils versus mast cells: details from MRGPRX2  
Vito Sabato, Belgium | Basophils versus mast cells: details from MRGPRX2  
Vito Sabato, Belgium |
| 10:20 - 10:45 | MRGPRX2: physiological action and role of the polymorphism in drug reactions  
Grzegorz Porebski, Poland | MRGPRX2: physiological action and role of the polymorphism in drug reactions  
Grzegorz Porebski, Poland |
| 10:45 - 11:00 | OP10 - | OP10 - |

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| Time          | Room: Auditorium - Plenary | Session 12 - Drug allergy in children (clinical approach)  
Chairs: Marina Atanaskovic-Markovic, Serbia | Ingrid Terrehorst, The Netherlands |
|---------------|----------------------------|---------------------------------------------------------------|
| 11:30 - 11:55 | Penicillin allergy delabelling in children  
David Vylesi, USA | Penicillin allergy delabelling in children  
David Vylesi, USA |
| 11:55 - 12:20 | NSAIDs hypersensitivity reactions in children?  
Francesca Mori, Italy | NSAIDs hypersensitivity reactions in children?  
Francesca Mori, Italy |
| 12:20 - 12:45 | Hypersensitivity reactions to antiepileptic drugs in children  
Jean-Christoph Caubet, Switzerland | Hypersensitivity reactions to antiepileptic drugs in children  
Jean-Christoph Caubet, Switzerland |
| 12:45 - 13:00 | OP11 - | OP11 - |

| Time          | Room: Polifunzionale - Break-out 1 | Session 12 - From recent knowledge on pathomechanisms to the bedside (basic science)  
Chair: Riichiro Abe, Japan | Werner Pichler, Switzerland |
|---------------|-----------------------------------|--------------------------------------------------------------------------------------------|
| 13:00 - 13:15 | Novel mechanism of keratinocyte death in SJS/TEN  
Youchi Ogawa, Japan | Novel mechanism of keratinocyte death in SJS/TEN  
Youchi Ogawa, Japan |
|               | Off target occupation and IDHR: the mouse-man paradigm  
Didier Ebo, Belgium | Off target occupation and IDHR: the mouse-man paradigm  
Didier Ebo, Belgium |
|               | Pharmacogenetic and immunogenetic risk assessment in pharmaceutical studies and daily clinic: where do we stand now?  
Munir Pirmohamed, United Kingdom | Pharmacogenetic and immunogenetic risk assessment in pharmaceutical studies and daily clinic: where do we stand now?  
Munir Pirmohamed, United Kingdom |
|               | OP12 - | OP12 - |

| Time          | Room: Auditorium - Plenary | Closing and Prize Giving Ceremony  
Patrizia Bonadonna, Italy | Gianenrico Senna, Italy | Ingrid Terrehorst, The Netherlands |
|---------------|----------------------------|--------------------------------------------------------------------------------|
| 13:00 - 13:15 |                                      | Closing and Prize Giving Ceremony  
Patrizia Bonadonna, Italy | Gianenrico Senna, Italy | Ingrid Terrehorst, The Netherlands |