

Pharmacology Section 2022-2023



Angela Amigoni – Saskia de Wildt

101 members



**30 active members working on the projects
(13 countries)**



Thanks to all the members for participation..

2022-2023 : publications

Daverio et al. *Critical Care* 2022, **26**(1):88
<https://doi.org/10.1186/s13054-022-03957-7>

Critical Care

RESEARCH

Open Access

Pain and sedation management and monitoring in pediatric intensive care units across Europe: an ESPNIC survey



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Received: 31 January 2023 | Revised: 5 April 2023 | Accepted: 10 April 2023
DOI: 10.1002/phar.2831

RESEARCH ARTICLE

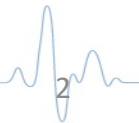
PHARMACOTHERAPY

Assessment and management of iatrogenic withdrawal syndrome and delirium in pediatric intensive care units across Europe: An ESPNIC survey

Francesca Sperotto¹ | Anne-Sylvie Ramelet² | Marco Daverio³ | Maria Cristina Mondardini⁴ | Florian von Borell⁵ | Sebastian Brenner⁵ | Dick Tibboel⁷ | Erwin Ista⁶ | Paula Pokorna^{6,8,9,10} | Angela Amigoni³ | The Analgosedation CONSORTIUM on behalf of the Pharmacology Section and the Nurse Science Section of the European Society for Paediatric and Neonatal Intensive Care

PART I

PART II



2022-2023: surveys



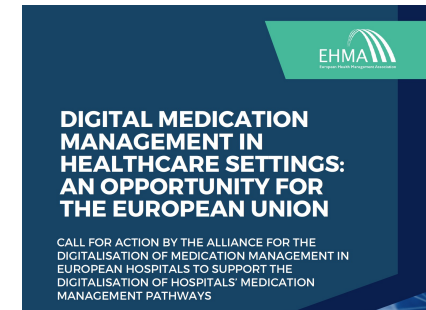
**Accepted as long oral
presentation - Athens 2023**



Analysis in progress

2022-2023: collaborations

- the European Association of Hospital Pharmacists (Special Interest Group for the Investigation of Medication Errors in Intensive Care Units): a Survey related to barriers to medical errors in ICU – a part of the final report.
- The European Health Management Association: position paper on digitalization of medical management
- Conect 4 Children



“ How Pharmacology could & should help in PICU”

Basic Courses :

April 28th (Pharmacology)

June 3rd (Analgesia & Sedation)

Part 1: Pharmacology in PICU

- PK for intensivists
- Impact of age and disease on PK-PD
- Therapeutic drug monitoring
- Drug-drug interaction
- Toxicology in PICU



Part 2: Analgesia and Sedation

- First-line strategy of analgesia and sedation
- Pros/cons of bolus or continuous infusion for AS in PICU
- Difficult analgesia and sedation: definition and strategies to adopt
- Delirium: which drugs to adopt
- Withdrawal syndrome: is there a special recipe to minimize the impact in

"I learned a lot about pharmacodynamics and pharmacokinetics in a special patient population - children in PICU. All the lectures were very relevant to clinical practice."

"This was an opportunity to engage with the most recent literature on the use of analgosedation in PICU. It was also an interesting platform to hear about different clinical practices from various experts. Very useful!"



2023-2024 next projects: educational events



European Society of Paediatric and Neonatal Intensive Care

ANALGESIA & SEDATION FOR YOUNG PROFESSIONALS IN NICU & PICU

*Online course opens on
26 June 2023*



European Society of Paediatric and Neonatal Intensive Care

PHARMACOLOGY FOR YOUNG PROFESSIONALS IN NICU & PICU

*Online course opens on
26 June 2023*

- **2024: Advanced Course:**
“How Pharmacology could & should help in PICU”.
It will cover specific and difficult PICU scenarios (extracorporeal treatments, sepsis, burns...)

2023-2024 next projects: guidelines

- **ESPNIC Recommendations on prevention and management of pain, agitation, delirium and withdrawal syndrome in critically ill children**

Angela Amigoni, *Pharmacology Section*;

Anne-Sylvie Ramelet, *Nursing Science Section and EC member*

Saskia de Wildt, *Pharmacology Section*,

Ibo Macdonald, *Nursing Science Section*

Francesca Sperotto, *Pharmacology Section*

Planned START UP in June 2023