

# International Conferenece

July 23-24, 2025 | Paris, France



Venue: Van der Valk Hotel Paris CDG Airport  
351 Av. du Bois de la Pie, 95700 Roissy-en-France



ISBN: 978-1-917892-11-7

ISBN: 978-1-917892-10-0

Website URL: <https://unitedresearchforum.com/up-coming-conf.php>

Day

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WEDNESDAY

# INTERNATIONAL CONFERENCE

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## Registrations & Opening Remarks (08:00-09:00)

### Keynote Forum (09:00 - 10:30)

09:00-09:30-----  
**Title: Cellular and Molecular Causes of Pre-Pregnancy Diabetes-Induced Birth Defects**

Mary Loeken, Joslin Diabetes Center/Harvard Medical School, United States

09:30-10:00-----  
**Title: Can cleaning processes based on ozone be used for high-touch surfaces in nursing homes in areas critical for infection control?**

Anne Marcic, Public Health Department of the State Capital Kiel, Germany

10:00-10:30-----  
**Title: Evaluating the Use of Neonatal Colonization Screening for Empiric Antibiotic Therapy of Sepsis and Pneumonia**

Patrick Morhart, Department of Neonatology and Pediatric intensive care, Germany

## REFRESHMENT BREAK & GROUP PHOTO (10:30 - 10:50)

### Technical Session-I (10:50 - 13:00)

Plenary talk  
(10:50-11:20)-----  
**Title: Professional care in painful neuropathy: a pivotal role of the nurse practitioner**

Margot-Geerts, Maastricht University, The Netherlands

11:20-11:45-----  
**Title: Digital Toxicology Teleconsultation for Adult Poisoning Cases in Saudi Hospitals: A Nationwide Study**

Maram Al-Otaiby, The Saudi Ministry of Health, Riyadh, Saudi Arabia

11:45-12:10-----  
**Title: Climate and Climatic Variations' Impact on Lymphoedema: Patient Perspective**

Susan Witt, Flinders University/ Foldi clinic, Germany

12:10-12:35-----  
**Title: Safety Culture Assessment in Primary Care Settings in Greece**

Ioannis Antonakos, Medical School of the University of Athens, Greece

12:35-13:00-----  
**Title: Bibliometric Analysis of Postgraduate Experimental Theses on Pediatric Obesity in Nursing**

Mukaddes Demir Acar, Tokat Gaziosmanpasa University, Turkey

## Lunch @ Restaurant (13:00- 13:50)

### Poster Presentation (13:50-14:00)

Poster I-----  
**Title: Clinical Case Report: Severe Neonatal Jaundice due to ABO Incompatibility**

Maria Helena Pimentel, Polytechnic Institute of Bragança (IPB), Portugal

# 6th Global Congress on Nursing & Patient Care

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## Clinical Case Report: Severe Neonatal Jaundice due to ABO Incompatibility

### Clinical Case

A male newborn, delivered at 38 weeks via cesarean section due to fetal distress, weighed 2.9 kg at birth. He had low APGAR scores-4 at the 1st minute and 6 at the 5th-indicating clinical instability. He was admitted to the neonatal unit with severe jaundice, respiratory distress, and hemodynamic instability. Initial labs revealed anemia (hemoglobin 7 g/dL) and elevated indirect bilirubin. A positive direct Coombs test confirmed hemolytic anemia due to ABO incompatibility, which exacerbated the jaundice. Despite initiation of intensive phototherapy, bilirubin levels remained critically high, raising concern for bilirubin encephalopathy. Given the lack of response and risk of neurological damage, an exchange transfusion was promptly indicated. This therapeutic procedure involves replacing the infant's blood with donor blood to reduce bilirubin levels and remove maternal antibodies. The newborn was placed in a supine position, and the transfusion was performed in stages, replacing approximately 85% of his blood volume with double the volume of fresh donor blood. The procedure was carried out under continuous monitoring of vital signs, laboratory parameters, and strict hemodynamic control.

### Discussion

This case is consistent with hemolytic disease of the newborn (HDN) caused by ABO incompatibility—a common cause of early-onset jaundice. The newborn's clinical instability was likely intensified by anemia and hyperbilirubinemia. The exchange transfusion was timely and crucial, both to halt hemolysis and prevent bilirubin-induced neurologic dysfunction.

### Conclusion

This case emphasizes the importance of early identification and prompt management of severe hyperbilirubinemia in neonates. Exchange transfusion remains the gold standard when conservative measures fail. Early, aggressive treatment in such cases is essential to prevent irreversible complications such as kernicterus and to improve overall neonatal outcomes.

**Keywords:** Hemolytic Anemia, ABO Incompatibility, Exchange Transfusion, Clinical Case

### Biography

- Ariff S, Saleem AF, Soofi SB, Habib A, Bhutta ZA. Clinical and hematological features of ABO hemolytic disease of the newborn. *J Coll Physicians Surg Pak*. 2013;23(10):711–714.
- Kliegman RM, St. Geme JW, Blum NJ, Shah SS, Tasker RC, Wilson KM. *Nelson Textbook of Pediatrics*. 21st ed. Philadelphia, PA: Elsevier; 2020.
- Watchko JF. Hyperbilirubinemia and bilirubin toxicity in the late preterm infant. *Clin Perinatol*. 2006;33(4):839–852.