



Le raccomandazioni NEVAT sull'accesso venoso neonatale

Fiammetta Piersigilli



Neonatal European Vascular Access Team



In ambito neonatale, l'accesso
venoso è fondamentale per
garantire un'assistenza efficace e
sicura



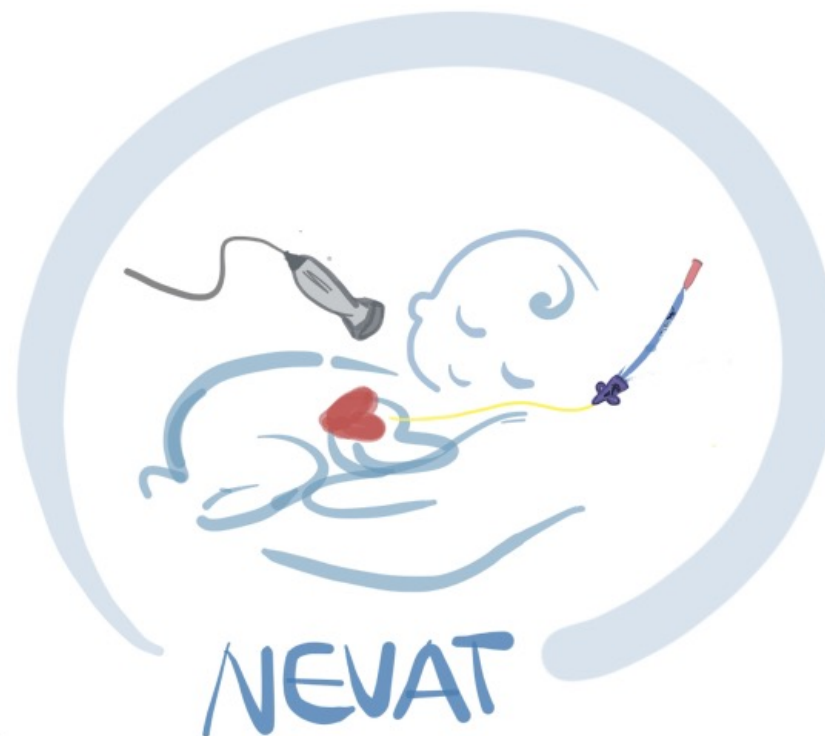
Quasi tutti i neonati ricoverati
hanno un catetere venoso
periferico o centrale

Conferenze



Società scientifiche e gruppi di studio

Professionisti interessati alla gestione dell'accesso vascolare



Neonatal European Vascular Access Team

Scopi comuni

Facilitare le interazioni tra professionisti interessati all'accesso vascolare in ambito nazionale / internazionale

Creare un lingua comune (creazione di protocolli)

Diffondere la conoscenza di nuove tecniche / materiali (Interazione con l'industria)

Facilitare l'esecuzione di trial clinici multicentrici

Austria
Belgium
Bulgaria
Croatia
France
Nederland
Italy
Portugal
Spain
Switzerland
Turkey
UK







Advisory board



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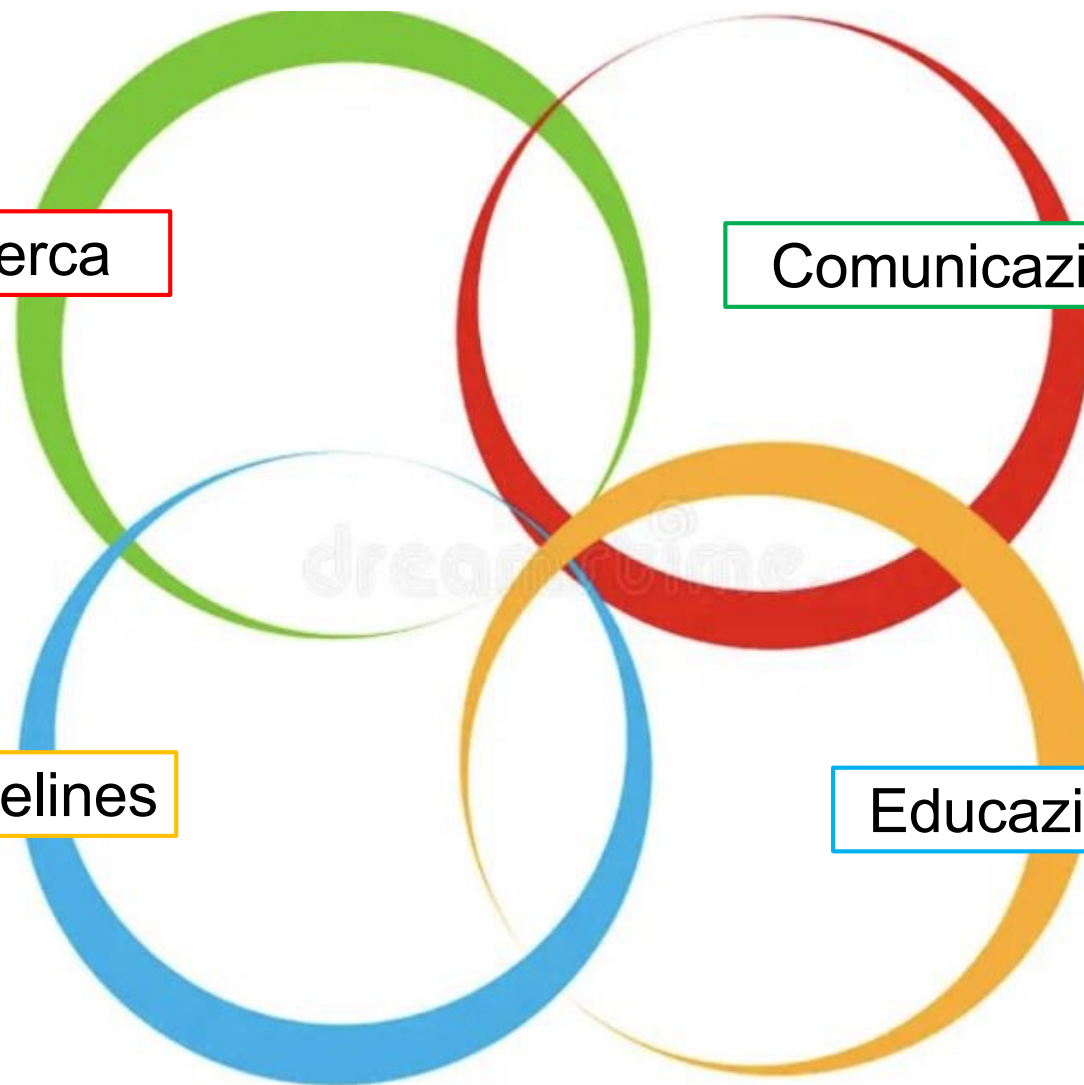
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Ricerca

Comunicazione

Guidelines

Educazione



Come fare arrivare il messaggio???



Sito web

01

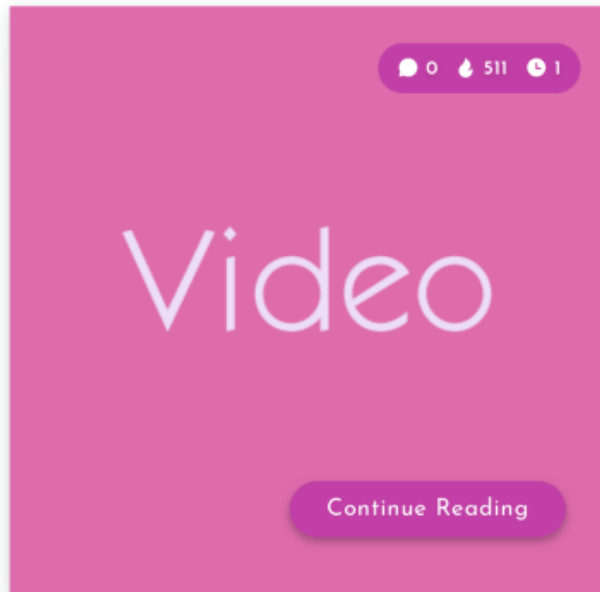
<https://neonates.org/>



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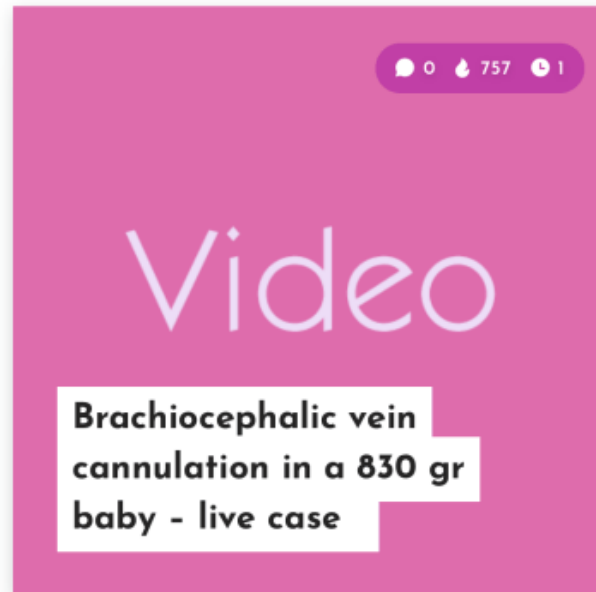


About us **Video Tutorials** ▾ Webinars ▾ Presentations Scientific Corner ▾
Events Question?



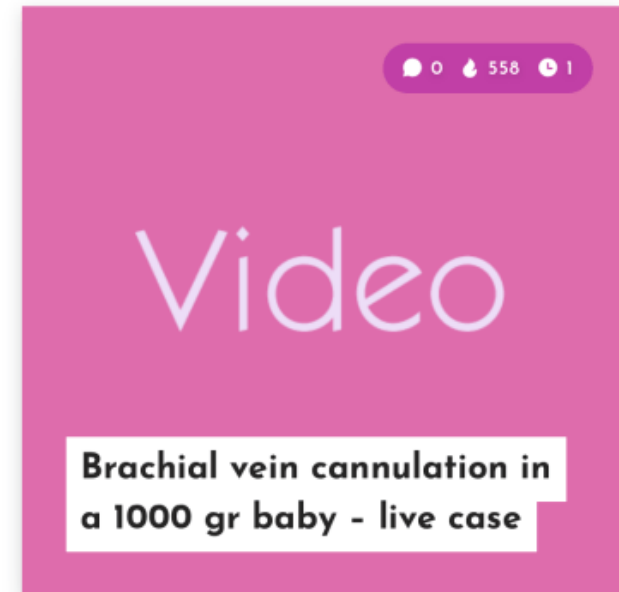
• 17 January 2024

📍 Vascular Access Video Tutorials, Video Tutorials



• 3 August 2023

📍 Vascular Access Video Tutorials, Video Tutorials



• 27 June 2023

📍 Vascular Access Video Tutorials, Video Tutorials

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0 818 1

Presentation

**EAPS 2024 - Presentations
of our pre-congress course
Neonatal and pediatric
vascular access**

• 25 October 2024

Presentations

0 164 1

Presentation

**Ultrasound for diagnosis of
complications**

• 24 October 2024

Presentations

0 650 1

Presentation

**Ultrasound for central
venous catheter and arterial
access**

• 17 October 2024

Presentations

<https://neonates.org/>



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Events Question?



0 720 1

The NAVIGATE project: A GloVANet-WoCoVA position statement on the nomenclature for vascular access devices

• 12 November 2024

Other, Studies, Vascular Access Studies

0 665 1

A narrative review on tip navigation and tip location of central venous access devices in the neonate: Intracavitary ECG or real time ultrasound?

• 9 September 2024

Studies, Ultrasound

0 268 2

Central-line-associated bloodstream infection burden among Dutch neonatal intensive care units

• 3 April 2024

Studies, Vascular Access Studies

Società scientifiche

02



European Society
for Paediatric Research

[About](#) [Funding](#) [Activities & Projects](#) [Members](#)

- Brain, Development and Imaging
- Circulation, Haematology and Oxygen Transport
- Epidemiology
- Infection, Inflammation, Immunology and Immunization (I4) Section
- Neonatal Resuscitation
- Nursing and other Healthcare Professionals
- Nutrition, Metabolism and Gastroenterology
- Paediatric and Neonatal Pharmacology
- Pulmonology
- European Board of Neonatology (EBN)



European Society
for Paediatric Research

About Funding Activities & Projects Member

Circulation, Haematology and Oxygen Transport

Special interest group on Neonatal and pediatric vascular access



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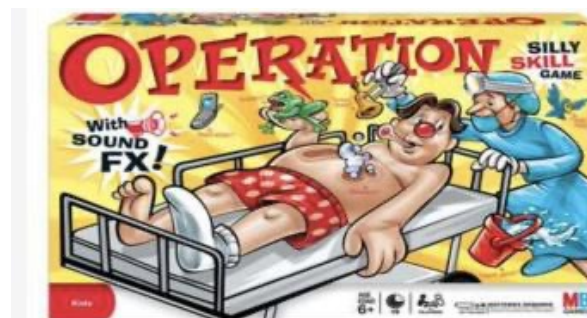
Congressi internazionali

03



Corsi accessi vascolari

04



Ексклузивен уъркшоп

ЗА ПЕДИАТРИЧЕН/НЕОНАТАЛЕН ЦЕНТРАЛЕН СЪДОВ ДОСТЪП
с подкрепата на Vygon

14.02.2025 08:30 - 17:30



Prof. dr. Dorothea Perleth
Moderator



Dr. Rikie Van der Lee
Moderator



Dr. Mathieu (Roberto) Van Rens
ANSP



Dr. Thomas Leonard Chubbard
Moderator



Dr. Robert Roubis
ANSP



Dr. Hagen Bongartz
Research supervisor at Technische Universität



Congress of joint
European Neonatal Societies

64th ESPR Annual Meeting

Belgrado Ottobre 2015



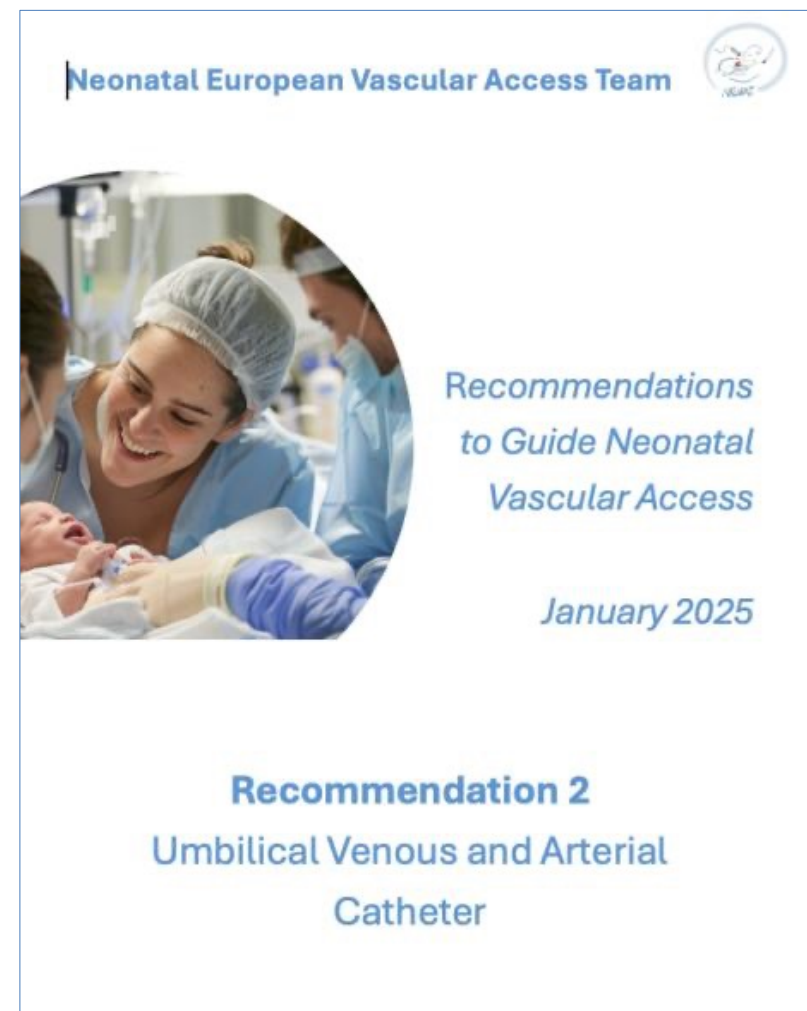
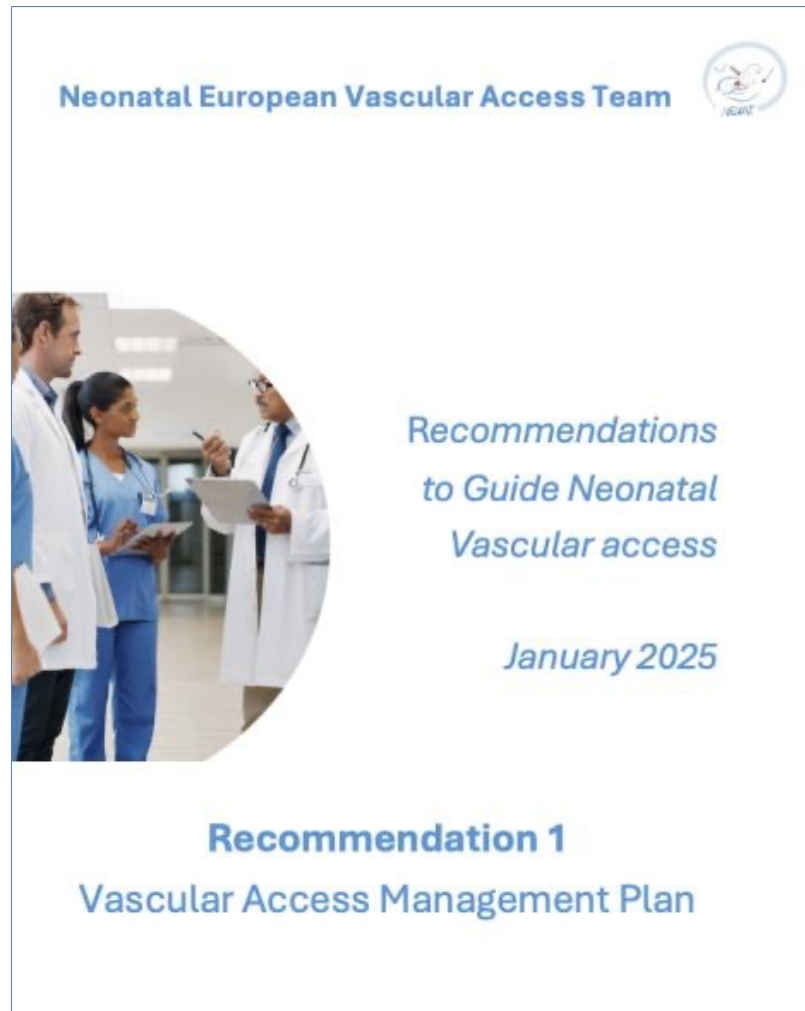
Creazione di raccomandazioni

05

PROTOCOLS – Neonatal vascular access

1. Protocol for the proper choice of vascular access device in NICU - **Mauro Pittiruti** - Giovanni Barone - Brenda Van Delft- Queenie Vranckaert – Barbara De Bisschop - Ignacio Oulego
2. Insertion bundle of umbilical venous catheter - **Vito D’Andrea** - Fiammetta Piersigilli - Marie Julie DeBuff – Bernhard Schwabberger
3. Insertion bundle of epicutaneo cava catheter - **Giovanni Barone** - Shtenyu Sboyadzhiev - Pierre Maton – Suzy Van Eenoo
4. Insertion bundle of ultrasound guided (CICC/FICC) catheters and tunneling - **Christian Breschan** - Mauro Pittiruti - Robin Van Der Lee - Thierry Pirrotte - Ignacio Oulego - Tobias Werther
5. Insertion bundle of peripheral venous access (incl. midlines) - **Roland Van Rens** – Robin Van der Lee - Agnes Van der Hoogen - Carmen Rodriguez - Pierre Maton
6. Insertion bundle of umbilical arterial and peripheral arterial catheter - **Nadya Youssef** Fiammetta Piersigilli - Thierry Pirotte - Rafik Ben Ammar - Bernhard Schwabberger- Barbara De Bisschop
7. Protocol for the management of the exit site for all VADs - **Fiammetta Piersigilli**- Carmen Rodriguez – Suzy Van Eenoo
8. Protocol for the management of the infusion lines and infection prevention - **Agnes Van den Hoogen** - Roland Van Rens - Pierre Maton - Brenda Van Delft – Suzy Van Eenoo
9. Protocol for insertion/management of intraosseous access - **Bernhard Schwabberger** – Fiammetta Piersigilli
10. Protocol for sedation during insertion of vascular access - **Mónica Marçal** - **Tobias Werther** - Vito D’Andrea - **Madalena Tuna** - **Anabela Salazar** - Fiammetta Piersigilli— Robin Van der Lee

Creazione di raccomandazioni





*Recommendations
to Guide Neonatal
Vascular Access*

January 2025

Recommendation 3
Neonatal Peripherally Inserted Central
Catheter / Epicutaneo Caval Catheter



*Recommendations
to Guide Neonatal
Vascular access*

January 2025

Recommendation 4
Ultrasound-guided Central Vascular
Access and Device Tunneling



*Recommendations
to Guide Neonatal
Vascular access.*

January 2025

Recommendation 5

Peripheral Venous Access Devices
(n-SPC or n-LPC)



*Recommendations
to Guide Neonatal
Vascular Access*

January 2025

Recommendation 6
Intra-Arterial Catheter



*Recommendations
to Guide Neonatal
Vascular access.*

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Recommendation 7
Management of the Exit Site



*Recommendations
to Guide Neonatal
Vascular access.*

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Recommendation 8
Infection Prevention and
Vascular Access



*Recommendations
to Guide Neonatal
Vascular access*

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Recommendation 9
Insertion and Management of
Intraosseous Devices



*Recommendations
to Guide Neonatal
Vascular access*

January 2025

Recommendation 10
Sedation

The 7 Rights Framework



**Pediatric
RESEARCH**

**Enhancing neonatal vascular access, operationalizing a
patient-centered '7-rights Framework': part 2**

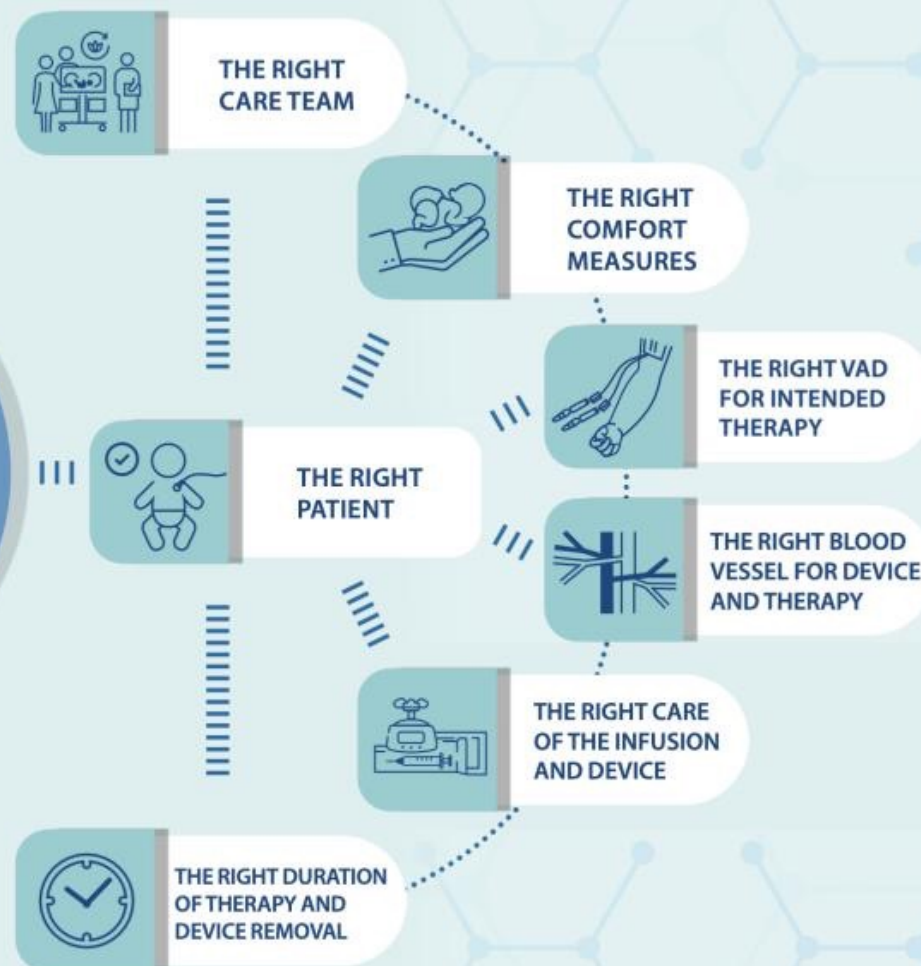
Journal:	<i>Pediatric Research</i>
Manuscript ID	PR-2024-0505
Manuscript Type:	Review article

Authors: R.van Rens, K. Hugill, R. van der Lee, F. Piersigilli, B. Schwabegger, S. Mader, I. Geiger, A. van den Hoogen,



7 RIGHTS OF VASCULAR ACCESS

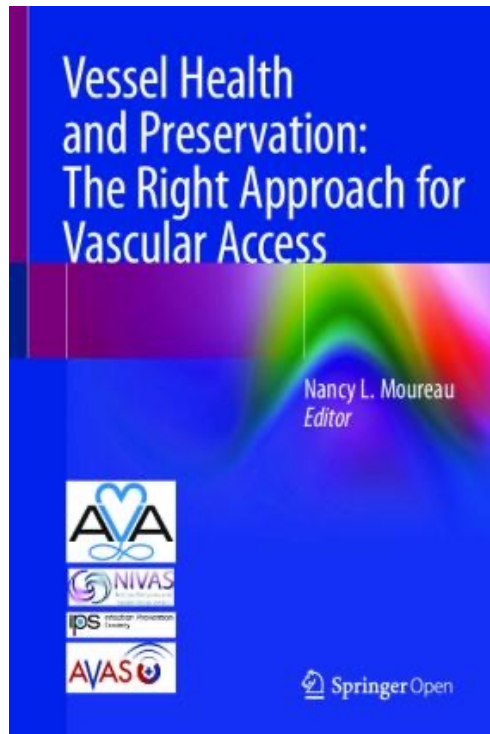
Fundamentally every baby is entitled to receive care based on the best evidence, vascular access is no exception. Let's elevate neonatal vascular access care by prioritising the integration of best practices.



The right
patient



The right vessel



https://seinav.org/wp-content/uploads/2021/04/2019_Book_VesselHealthAndPreservationThe_compressed.pdf

The right therapy



TPN

Infusions $>600\text{mOsm/kg}$

Infusions with irritating properties

The right device



Smallest diameter possible

Fewest lumen required

Use algorithms to implement a
standardised approach

The right duration



Umbilical VC $\leq$ 7 days

Umbilical AC $\leq$ 5 days

ECC < 4 weeks

Tunneled catheters >4 weeks

The right care team

Original research article

JVA | The Journal of
Vascular Access

Effect of implementing an Epicutaneo-Caval Catheter team in Neonatal Intensive Care Unit

Mohammad A A Bayoumi¹ , Matheus F P Van Rens¹ ,
Prem Chandra², Airene L V Francia¹, Sunitha D'Souza¹,
Majee George¹, Saad Shahbal², Einas E Elmalik¹
and Irian J E Cabanillas¹

The Journal of Vascular Access
1-11
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4

The Journal of Vascular Access

Table 1. Gestational age, birth weight, and other catheter-related parameters across three different years.

Variables	Year 2016 (n = 378)	Year 2017 (n = 508)	Year 2018 (n = 450)	p value
Overall success rate	309 (81.7)	450 (88.6)	439 (97.6)	<0.0001
First prick success rate	218 (57.7)	314 (61.8)	301 (66.9)	0.023
Number of SCVCs	42 (11.1)	27 (5.3)	0 (0)	<0.0001

The right care team

Journal of Perinatology (2015) 35, S5–S8

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www.nature.com/jp

REVIEW

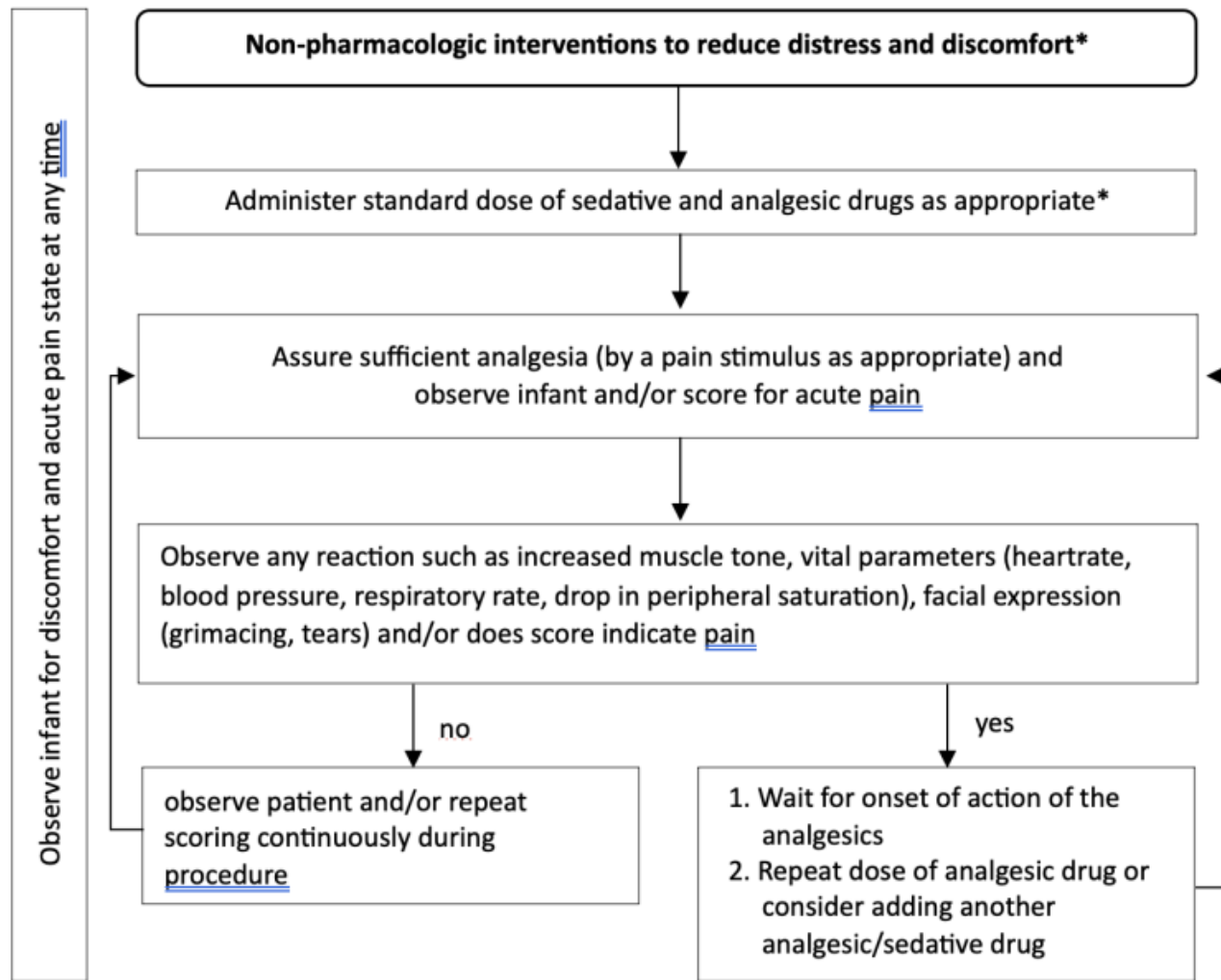
Recommendations for involving the family in developmental care of the NICU baby

JW Craig¹, C Glick², R Phillips³, SL Hall⁴, J Smith⁵ and J Browne⁶



Family involvement is a key to realize the potential for long-lasting positive effects on physical, cognitive and psychosocial development of all babies, including those in the neonatal intensive care unit (NICU). Family-centered developmental care (FCDC) recognizes the family as vital members of the NICU health-care team. As such, families are integrated into decision-making processes and are collaborators in their baby's care. Through standardized use of FCDC principles in the NICU, a foundation is constructed to enhance the family's lifelong relationship with their child and optimize development of the baby. Recommendations are made for supporting parental roles as caregivers of their babies in the NICU, supporting NICU staff participation in FCDC and creating NICU policies that support this type of care. These recommendations are designed to meet the basic human needs of all babies, the special needs of hospitalized babies and the needs of families who are coping with the crisis of having a baby in the NICU.

The right comfort measures



The right comfort measures



Interprofessional Collaboration and Involvement of Parents in the Management of Painful Procedures in Newborns

Colette Balice-Bourgeois^{1,2,3*}, Maya Zumstein-Shaha^{4†}, Giacomo D. Simonetti^{1,5} and Christopher J. Newman⁶



CONCLUSION

We found that the NEODOL intervention targeting all groups (i.e., health professionals, **parents** and newborns) constitutes an innovative way to demonstrate the importance of interprofessional collaboration in the management of painful procedures. This feasibility and acceptability study shows that we are moving in the right direction and highlights the need for further research.

Algorithms, bundles, guidelines, recommendations

Con l'obiettivo comune di
ottimizzare gli esiti clinici
attraverso l'impegno condiviso
dei genitori e di tutti i
professionisti sanitari coinvolti
nella cura del neonato





Neonat.org

www.espr.eu/SIGs/Paediatric_Neonatal_Vascular_Access.php

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