

## CURRICULUM VITAE ALBERTO BERARDI

<b>NAME:</b> Alberto Berardi Date of birth 22/09/1956 Place of birth: Tivoli (Roma) Fiscal Code: BRRLRT56P22L182M	<b>POSITION TITLE:</b> Associate Professor of Pediatrics, University of Modena and Reggio Emilia, Department SMECHIMAI Director of the Neonatal Intensive Care Unit, Policlinico University Hospital, Modena, Italy
--	--

### Contacts:

- Email: [alberto.berardi@unimore.it](mailto:alberto.berardi@unimore.it)
- Tel.: +390594222787 (direct); +390594222522 (NICU)
- Address: Neonatal Intensive Care Unit, Azienda Ospedaliero-Universitaria Policlinico – Via del Pozzo 71, 41124 Modena, Italy

### Academic achievements

- 1987 Specialist in Pediatrics, University of Modena (Medicine and Surgery), Italy
- 1990 Specialist in Allergology and Clinical Immunology (Medicine and Surgery), University of Parma, Italy
- 1992 Specialist in Neonatology, University of Modena (Medicine and Surgery), Italy
- From November 2018 to date: Associate Professor of Pediatrics, University of Modena and Reggio Emilia

### Clinical experiences

- 1983-1987: Residency in the Division of Pediatrics of the University of Modena, Italy. Training in pediatric allergy
- 1995-1996: Advanced Course of Neonatal and Pediatric Ultrasound (S. Matteo Hospital, University of Pavia, Italy)
- 1998: Advanced Course at the Pediatric Centre for Hip Dislocation of the S. Anna Hospital, University of Ferrara, Italy
- 2001: Training at the Pediatric Intensive Care Department of the “Hospital de Necker”, Paris
- 2012: Advanced Course of Pediatric Intensive Care, Sassuolo, Italy

### Teachings

- 1991-1993; 1994-1996: Nurse School, University of Modena, Italy
- 1997-to date: Adjunct Professor at the Post-graduate Paediatric School, University of Modena, Italy
- 2000-2004: Teaching, post-graduate Paediatric Immunology School, University of Modena, Italy
- 2000-2004: Post-graduate Neuropsychiatry School, University of Modena, Italy
- 2003-2010: Advanced Course of Neonatology, University of Modena, Italy
- 2011: Advanced Course on Neonatal Infections, Rome, Italy
- 2014-to date: Graduate course in Midwifery. (University of Modena, Italy)
- 2015: Level II Master in Neonatal Neurology (University of Modena, Italy)
- 2018-to date: Medical degree program. (University of Modena, Italy)
- 2019-2025: Level II Master in Obstetrics (University of Modena, Italy)
- 2021 and 2024: Level II Master in Paediatric Infectious Diseases (SITIP, University of Florence, Italy)
- 2024: Level II Master in Child Rehabilitation Techniques (University of Modena, Italy)
- 2025: Level II Master in Neonatology (University of La Sapienza, Rome, Italy)

### Speaker and conference organizer:

- Speaker at many national and international congresses
- Organizer of national and international congresses and workshops, including:
  - DEVANI (Design of a vaccine to immunize infants against GBS infections through a durable maternal immune response), Modena 2011
  - IPOKRATES Clinical Seminar: Neonatal Bacterial Infections (Modena May 2019)
  - Seminar series on presentation and discussion of clinical cases (in collaboration with the Neonatal Intensive Care Unit of Padua Hospital) (2021-2022)

- IPOKRATES Clinical Seminar: Neonatal Hemodynamics (Modena, June 2022)
- Congress of the Italian Neonatology Society, Emilia-Romagna Section (Reggio Emilia, January 2023)
- Neonatal clinical cases (Bertinoro, May 2024 and 2025)
- Congress of the Italian Neonatology Society, Emilia-Romagna Section (Ferrara, November 2024)

### **Area of scientific interest**

Neonatology, Neonatal sepsis, Group B streptococcus, Viral infections, Neonatal neurology

### **Employment and research experience**

- Staff physician (from 1992 to 2012) at the Neonatal Intensive Care Unit
- Leader (from 2003 to today) of the GBS Prevention Working Group of Emilia-Romagna (Research Network for regional surveillance of neonatal invasive infections: group B Streptococcus and, more recently, E. coli infections)
- Coordinator of a national network (for clinical research purposes) on invasive diseases due to *group B streptococcus* in the first 90 days of life.
- Principal investigator (for Emilia-Romagna) of the AENEAS study, an international project (coordinated by Switzerland) on antibiotic exposure in early neonatal sepsis
- Responsible of the Neonatal Ultrasound Team of Azienda Ospedaliero-Universitaria Policlinico – Modena, Italy
- Deputy Director (from 2013 to October 31st 2018) at the Neonatal Intensive Care Unit (20 beds, of which 8 are intensive care), Azienda Ospedaliero-Universitaria Policlinico – Modena, Italy
- Current position: Head (from 1st November 2018) of the Neonatal Intensive Care Unit at Azienda Ospedaliero-Universitaria Policlinico – Modena, Italy

### **Honours**

- President of the Regional Section of the Italian Neonatology Society (from 2021 to 2024)

### **Invited speaker at International Conferences or Research Seminars**

- Current Insights into Group B Streptococcal Diseases, Golden Bay Beach Hotel, Larnaca, Cyprus, 2009 (invited lecture).
- An update on diagnosis, management and treatment of neonatal group B streptococcal infections” Rome – Italy, 2011 (invited lecture).
- European Consensus Conference on Intrapartum GBS screening and antibiotic prophylaxis, Florence, Italy, 2013 (invited lecture).
- European Advisory Board Meeting, Group B Streptococcus, Pfizer Vaccines Europe Office, Paris, October 28th 2015 (invited lecture).
- 8th International Conference on Neonatal Infections: updates and current opinions, Pavia, Italy, 2018 (invited lecture).
- Perinatal asphyxia and hypoxic ischemic encephalopathy: prevention, diagnosis, therapy and rehabilitation, Modena, Italy, 2019 (invited lecture).
- World Sepsis Day, Bologna, Italy, 2019 (invited lecture).
- PREPARE Meeting (Prevention of invasive Group B Streptococcus disease in young infants: a pathway for the evaluation & licensure of an investigational maternal GBS vaccine), London, UK, 2019 (invited lecture).
- XXVI Congresso Nazionale Società Italiana di Neonatologia 2020 (invited lecture).
- The International Conference on Group B Strep (ICGBS) July 2022 (invited lecture)
- Group B Strep in Pregnancy & Babies Conference: London, July 2022 (invited lecture).
- Group B Strep in Pregnancy & Babies Conference: London, May 2023 (invited lecture).
- European Society for Pediatric Infectious Diseases: Copenhagen, May 2024 (invited lecture).

### **Grants**

#### ***Multicentre clinical researches in Neonatology:***

- Clinical coordinator of the study “Valutazione delle infezioni neonatali precoci e tardive da streptococco di gruppo B (GBS) nel nostro paese e dei sierotipi circolanti causa di malattia) funded by the Italian Ministry of Health (amount financed € 40.000)

- Subcontractor (for Italy) of the European Community 7 Framework DEVANI (Development of a Vaccine against Neonatal Infection) (amount financed € 30.000)
- Coordinator of the Regional Surveillance Network of GBS and E. coli infections, project financed (amount 10.000 €/year, since 2017 to date) by the Emilia-Romagna Regional Government
- Principal investigator (for Italy) of the EDCTP Project “Prevention of invasive Group B Streptococcus disease in young infants: a pathway for the evaluation & licensure of an investigational maternal GBS vaccine” (amount financed € 223.000)
- Principal investigator of the Modena University Research Fund: Validation of minimally invasive haemodynamic monitoring with Pressure Recording Analytical Method in critically ill newborns: prospective observational study comparing with echocardiography (€ 40,000)

### Research activities

The overall research topics of Professor Alberto Berardi concern the prevention and clinical aspects of neonatal viral and bacterial infectious diseases (namely those due to *group B streptococcus*); furthermore, its field of interest also concerns the control of antibiotic use in neonates. He promoted a new approach, particularly respectful of the infant mother dyad, for the management of full-term and late-preterm infants at risk of early-onset sepsis. This approach is mentioned in international guidelines on the prevention of early-onset sepsis, especially because it is associated with a significant reduction in the use of unnecessary antibiotics during the first days of life.

He has participated in various scientific conferences and held seminars in these fields. He has been involved in vaccine trials and international consensus conferences related to the prevention of neonatal infections.

He is promoting the creation of a national consensus document on early-onset neonatal sepsis.

He has served on International Commissions to evaluate research projects from European countries.

Furthermore, Professor Alberto Berardi collaborates with several journals and agencies to evaluate research projects, including:

- Board member (past or current) in national and international Journals (including World Journal of Clinical Pediatrics, World Journal of Clinical Cases, International Journal of Clinical & Medical Microbiology, Rivista di Infettivologia Neonatale, Rivista Italiana di Medicina Perinatale)
- Consultant Referee of 42 International journals (including The Lancet Infectious Diseases, The Lancet Regional Health, Pediatrics, Emerging Infectious Diseases, Journal of Infectious Diseases, Archives of Diseases in Childhood, The Journal of Pediatrics, The Pediatric Infectious Disease Journal, Scientific Reports, BMC Infectious Diseases, Journal of Clinical Virology, Expert Review Vaccines, American Journal of Perinatology, Journal of Perinatal Medicine, The Italian Journal of Pediatrics The Journal of Maternal Fetal and Neonatal Medicine, Journal of Pediatric and Child Health) and one Italian Journal (Medico e Bambino)
- Referee for International Agencies for funding, including National Children’s Research Center (Ireland) and Laerdal Foundation (Norway), and The Netherlands Organisation for Scientific Research (NWO/ZonMw, The Netherlands)
- Evaluator of PhD Thesis (University of Bologna, Italy)
- Evaluator of PhD Thesis (University of Padua, Italy)

### Publications in peer reviewed scientific journals

During his career professor Berardi published 186 articles in peer reviewed journals (Pubmed source) and contributed to 5 book chapters. He collected a total of **3664 citations** with an **H-index of 33** (calculated by using Scopus on the 9<sup>th</sup> February 2026).

## List of publications (PubMed results)

1. Cattani S, Venturelli C, **Berardi A**, et al. Sepsis da *Corynebacterium xerosis* in neonatologia: descrizione di un caso clinico [Sepsis caused by *Corynebacterium xerosis* in neonatology: report of a clinical case]. *Acta Biomed Ateneo Parmense*. 2000;71 Suppl 1:777-780.
2. Cavalleri F, **Berardi A**, Burlina AB, Ferrari F, Mavilla L. Diffusion-weighted MRI of maple syrup urine disease encephalopathy. *Neuroradiology*. 2002;44(6):499-502. doi:10.1007/s00234-002-0771-5
3. **Berardi A**, Lugli L, Rossi K, Tridapalli E, Facchinetti F; GBS and Prevention Working Group of Emilia-Romagna. Prevention of group B streptococcal infection in a North-Italian area. *Pediatr Infect Dis J*. 2004;23(7):691-692. doi:10.1097/00006454-200407000-00028
4. **Berardi A**, Rossi K, Lugli L, Tridapalli E, Ferrari F. La profilassi dell'infezione da streptococco di gruppo B nei punti nascita della regione Emilia Romagna [Prophylaxis of group B streptococcal infections in the birth centers of Emilia Romagna]. *Pediatr Med Chir*. 2004;26(4):228-232.
5. **Berardi A**, Rossi K, Cavalleri F, et al. Maternal anaphylaxis and fetal brain damage after intrapartum chemoprophylaxis. *J Perinat Med*. 2004;32(4):375-377. doi:10.1515/JPM.2004.070
6. **Berardi A**, Lugli L, Ferrari F, et al. Kernicterus associated with hereditary spherocytosis and UGT1A1 promoter polymorphism. *Biol Neonate*. 2006;90(4):243-246. doi:10.1159/000093668
7. **Berardi A**, Rossi K, Pizzi C, et al. Absence of neonatal streptococcal colonization after planned cesarean section. *Acta Obstet Gynecol Scand*. 2006;85(8):1012-1013. doi:10.1080/00016340500408424
8. **Berardi A**, Lugli L, Baronciani D, et al. Group B streptococcal infections in a northern region of Italy. *Pediatrics*. 2007;120(3):e487-e493. doi:10.1542/peds.2006-3246
9. **Berardi A**, Tziella C, Riva M, Cerbo RM, Creti R. Group B streptococcus: early- and late-onset infections. *J Chemother*. 2007;19 Suppl 2:24-27. doi:10.1080/1120009x.2007.11782439
10. **Berardi A**, Lugli L, Rossi C, Morini MS, Vagnarelli F, Ferrari F. Group B streptococcus and preventive strategies in Europe. *Arch Dis Child Fetal Neonatal Ed*. 2008;93(3):F249. doi:10.1136/adc.2007.135392
11. Margarit I, Rinaudo CD, Galeotti CL, Maione D, Ghezzi C, Buttazzoni E, Rosini R, Runci Y, Mora M, Buccato S, Pagani M, Tresoldi E, **Berardi A**, Creti R, Baker CJ, Telford JL, Grandi G. Preventing bacterial infections with pilus-based vaccines: the group B streptococcus paradigm. *J Infect Dis*. 2009 Jan 1;199(1):108-115. doi: 10.1086/595564. PMID: 19086816
12. **Berardi A**, Lugli L, Baronciani D, et al. Group B Streptococcus early-onset disease in Emilia-romagna: review after introduction of a screening-based approach. *Pediatr Infect Dis J*. 2010;29(2):115-121. doi:10.1097/INF.0b013e3181b83cd9
13. **Berardi A**, Rossi C, Biasini A, et al. Efficacy of intrapartum chemoprophylaxis less than 4 hours duration. *J Matern Fetal Neonatal Med*. 2011;24(4):619-625. doi:10.3109/14767058.2010.511347
14. Neri I, Monari F, Sgarbi L, **Berardi A**, Masellis G, Facchinetti F. L-arginine supplementation in women with chronic hypertension: impact on blood pressure and maternal and neonatal complications. *J Matern Fetal Neonatal Med*. 2010;23(12):1456-1460. doi:10.3109/14767051003677962
15. **Berardi A**, Lugli L, Rossi C, et al. Neonatal bacterial meningitis. *Minerva Pediatr*. 2010;62(3 Suppl 1):51-54.
16. Ferrari F, Todeschini A, Guidotti I, Martinez-Biarge M, Roversi MF, **Berardi A**, Ranzi A, Cowan FM, Rutherford MA. General movements in full-term infants with perinatal asphyxia are related to Basal Ganglia and thalamic lesions. *J Pediatr*. 2011 Jun;158(6):904-11. doi: 10.1016/j.jpeds.2010.11.037. Epub 2011 Jan 13. PMID: 21232764.
17. **Berardi A**, Rossi C, Fiorini V, et al. Severe acquired cytomegalovirus infection in a full-term, formula-fed infant: case report. *BMC Pediatr*. 2011;11:52. Published 2011 Jun 6. doi:10.1186/1471-2431-11-52
18. **Berardi A**, Lugli L, Rossi C, et al. Intrapartum antibiotic prophylaxis failure and group-B streptococcus early-onset disease. *J Matern Fetal Neonatal Med*. 2011;24(10):1221-1224. doi:10.3109/14767058.2011.552652

19. **Berardi A**, Di Fazzio G, Gavioli S, et al. Universal antenatal screening for group B streptococcus in Emilia-Romagna. *J Med Screen*. 2011;18(2):60-64. doi:10.1258/jms.2011.011023
20. **Berardi A**, Lugli L, Rossi C, et al. Neonatal herpes simplex virus. *J Matern Fetal Neonatal Med*. 2011;24 Suppl 1:88-90. doi:10.3109/14767058.2011.607560
21. **Berardi A**, Rossi C, Guidotti I, Vagnarelli F, Ferrari F. Group B streptococcus late-onset disease and milk transmission. *Acta Paediatr*. 2013;102(3):e95. doi:10.1111/apa.12127
22. **Berardi A**, Rossi C, Lugli L, et al. Group B streptococcus late-onset disease: 2003-2010. *Pediatrics*. 2013;131(2):e361-e368. doi:10.1542/peds.2012-1231
23. Imperi M, Gherardi G, **Berardi A**, et al. Invasive neonatal GBS infections from an area-based surveillance study in Italy. *Clin Microbiol Infect*. 2011;17(12):1834-1839. doi:10.1111/j.1469-0691.2011.03479.x
24. **Berardi A**, Lugli L, Rossi C, et al. Impact of perinatal practices for early-onset group B Streptococcal disease prevention. *Pediatr Infect Dis J*. 2013;32(7):e265-e271. doi:10.1097/INF.0b013e31828b0884
25. Tridapalli E, Capretti MG, Reggiani ML, Stronati M, Faldella G; Italian Neonatal Task Force of Congenital Syphilis for The Italian Society of Neonatology – Collaborative Group. Congenital syphilis in Italy: a multicentre study. *Arch Dis Child Fetal Neonatal Ed*. 2012;97(3):F211-F213. doi:10.1136/adc.2010.183863
26. **Berardi A**, Rossi C, Creti R, et al. Group B streptococcal colonization in 160 mother-baby pairs: a prospective cohort study. *J Pediatr*. 2013;163(4):1099-104.e1. doi:10.1016/j.jpeds.2013.05.064
27. Creti R, **Berardi A**, Baldassarri L, et al. Characteristics of neonatal GBS disease during a multicentre study (2007-2010) and in the year 2012. *Ann Ist Super Sanita*. 2013;49(4):370-375. doi:10.4415/ANN\_13\_04\_09
28. Rodriguez-Granger J, Alvargonzalez JC, **Berardi A**, et al. Prevention of group B streptococcal neonatal disease revisited. The DEVANI European project. *Eur J Clin Microbiol Infect Dis*. 2012;31(9):2097-2104. doi:10.1007/s10096-012-1559-0
29. **Berardi A**, Rossi C, Guidotti I, et al. Group B streptococci in milk and neonatal colonisation. *Arch Dis Child*. 2014;99(4):395. doi:10.1136/archdischild-2013-305291
30. Corvaglia L, Fantini MP, Aceti A, et al. Predictors of full enteral feeding achievement in very low birth weight infants. *PLoS One*. 2014;9(3):e92235. Published 2014 Mar 19. doi:10.1371/journal.pone.0092235
31. **Berardi A**, Rossi C, Guidotti I, et al. Factors associated with intrapartum transmission of group B Streptococcus. *Pediatr Infect Dis J*. 2014;33(12):1211-1215. doi:10.1097/INF.0000000000000439
32. Da Cunha V, Davies MR, Douarre PE, Rosinski-Chupin I, Margarit I, Spinali S, Perkins T, Lechat P, Dmytruk N, Sauvage E, Ma L, Romi B, Tichit M, Lopez-Sanchez MJ, Descorps-Declere S, Souche E, Buchrieser C, Trieu-Cuot P, Moszer I, Clermont D, Maione D, Bouchier C, McMillan DJ, Parkhill J, Telford JL, Dougan G, Walker MJ; DEVANI Consortium, Holden MTG, Poyart C, Glaser P. Streptococcus agalactiae clones infecting humans were selected and fixed through the extensive use of tetracycline. *Nat Commun*. 2014 Aug 4;5:4544. doi: 10.1038/ncomms5544. Erratum in: *Nat Commun*. 2015;6:6108. PMID: 25088811; PMCID: PMC4538795.
33. D'Urzo N, Martinelli M, Pezzicoli A, De Cesare V, Pinto V, Margarit I, Telford JL, Maione D; Members of the DEVANI Study Group. Acidic pH strongly enhances in vitro biofilm formation by a subset of hypervirulent ST-17 Streptococcus agalactiae strains. *Appl Environ Microbiol*. 2014 Apr;80(7):2176-85. doi: 10.1128/AEM.03627-13. Epub 2014 Jan 31. PMID: 24487536; PMCID: PMC3993151.
34. **Berardi A**, Gallo C, Lugli L, et al. Fatal pneumonia following maternal HSV-1 viraemia in late pregnancy. *J Matern Fetal Neonatal Med*. 2015;28(14):1694-1696. doi:10.3109/14767058.2014.965139
35. **Berardi A**, Ferrari F, Facchinetti F. Intrapartum antibiotic prophylaxis for Group B Streptococcus and risks of unnecessary antibiotics. *Am J Obstet Gynecol*. 2015;212(3):408. doi:10.1016/j.ajog.2014.11.001

36. **Berardi A**, Fornaciari S, Rossi C, et al. Safety of physical examination alone for managing well-appearing neonates  $\geq$  35 weeks' gestation at risk for early-onset sepsis. *J Matern Fetal Neonatal Med.* 2015;28(10):1123-1127. doi:10.3109/14767058.2014.946499
37. **Berardi A**, Cattelani C, Creti R, et al. Group B streptococcal infections in the newborn infant and the potential value of maternal vaccination. *Expert Rev Anti Infect Ther.* 2015;13(11):1387-1399. doi:10.1586/14787210.2015.1079126
38. Di Renzo GC, Melin P, **Berardi A**, et al. Intrapartum GBS screening and antibiotic prophylaxis: a European consensus conference. *J Matern Fetal Neonatal Med.* 2015;28(7):766-782. doi:10.3109/14767058.2014.934804
39. Rosini R, Campisi E, De Chiara M, Tettelin H, Rinaudo D, Toniolo C, Metruccio M, Guidotti S, Sørensen UB, Kilian M; DEVANI Consortium, Ramirez M, Janulczyk R, Donati C, Grandi G, Margarit I. Genomic analysis reveals the molecular basis for capsule loss in the group B *Streptococcus* population. *PLoS One.* 2015 May 6;10(5):e0125985. doi: 10.1371/journal.pone.0125985. PMID: 25946017; PMCID: PMC4422693.
40. **Berardi A**, Baroni L, Bacchi Reggiani ML, et al. The burden of early-onset sepsis in Emilia-Romagna (Italy): a 4-year, population-based study. *J Matern Fetal Neonatal Med.* 2016;29(19):3126-3131. doi:10.3109/14767058.2015.1114093
41. **Berardi A**, Ferrari F. Group B streptococcal maternal vaccination, the goal is near. *Lancet Infect Dis.* 2016;16(8):871-872. doi:10.1016/S1473-3099(16)30048-2
42. Mandel VD, Persechino F, **Berardi A**, et al. Congenital Glioblastoma multiforme and eruptive disseminated Spitz nevi. *Ital J Pediatr.* 2016;42(1):47. Published 2016 May 14. doi:10.1186/s13052-016-0260-9
43. Guidotti I, Lugli L, Guerra MP, Ori L, Gallo C, Cavalleri F, Ranzi A, Frassoldati R, **Berardi A**, Ferrari F. Hypothermia reduces seizure burden and improves neurological outcome in severe hypoxic-ischemic encephalopathy: an observational study. *Dev Med Child Neurol.* 2016 Dec;58(12):1235-1241. doi: 10.1111/dmcn.13195. Epub 2016 Jul 22. PMID: 27444888.
44. Vento G, Pastorino R, Boni L, Cota F, Carnielli V, Cools F, Dani C, Mosca F, Pillow J, Polglase G, Tagliabue P, van Kaam AH, Ventura ML, Tana M, Tirone C, Aurilia C, Lio A, Ricci C, Gambacorta A, Consigli C, D'Onofrio D, Gizzi C, Massenzi L, Cardilli V, Casati A, Bottino R, Pontiggia F, Ciarmoli E, Martinelli S, Ilardi L, Colnaghi M, Matassa PG, Vendettuoli V, Villani P, Fusco F, Gazzolo D, Ricotti A, Ferrero F, Stasi I, Magaldi R, Maffei G, Presta G, Perniola R, Messina F, Montesano G, Poggi C, Giordano L, Roma E, Grassia C, Ausanio G, Sandri F, Mescoli G, Giura F, Garani G, Solinas A, Lucente M, Nigro G, Del Vecchio A, Petrillo F, Orfeo L, Grappone L, Quartulli L, Scorrano A, Messner H, Staffler A, Gargano G, Balestri E, Nobile S, Cacace C, Meli V, Dallaglio S, Pasqua B, Mattia L, Gitto E, Vitaliti M, Re MP, Vedovato S, Grison A, **Berardi A**, Torcetta F, Guidotti I, di Fabio S, Maranella E, Mondello I, Visentin S, Tormena F. Efficacy of a new technique - INTubate-RECRUIT-SURfactant-Extubate - "IN-REC-SUR-E" - in preterm neonates with respiratory distress syndrome: study protocol for a randomized controlled trial. *Trials.* 2016 Aug 18;17:414. doi: 10.1186/s13063-016-1498-7. PMID: 27538798; PMCID: PMC4991115.
45. Tricarico A, Bianco V, Di Biase AR, Iughetti L, Ferrari F, **Berardi A**. Lotus Birth Associated With Idiopathic Neonatal Hepatitis. *Pediatr Neonatol.* 2017;58(3):281-282. doi:10.1016/j.pedneo.2015.11.010
46. **Berardi A**, Rossi C, Bacchi Reggiani ML, et al. An area-based study on intrapartum antibiotic prophylaxis for preventing group B streptococcus early-onset disease: advances and limitations. *J Matern Fetal Neonatal Med.* 2017;30(14):1739-1744. doi:10.1080/14767058.2016.1224832
47. Ferrari F, Frassoldati R, **Berardi A**, et al. The ontogeny of fidgety movements from 4 to 20 weeks post-term age in healthy full-term infants. *Early Hum Dev.* 2016;103:219-224. doi:10.1016/j.earlhumdev.2016.10.004
48. Creti R, Imperi M, **Berardi A**, et al. Neonatal Group B Streptococcus Infections: Prevention Strategies, Clinical and Microbiologic Characteristics in 7 Years of Surveillance. *Pediatr Infect Dis J.* 2017;36(3):256-262. doi:10.1097/INF.0000000000001414
49. **Berardi A**, Buffagni AM, Rossi C, et al. Serial physical examinations, a simple and reliable tool for managing neonates at risk for early-onset sepsis. *World J Clin Pediatr.* 2016;5(4):358-364. Published 2016 Nov 8. doi:10.5409/wjcp.v5.i4.358

50. Le Doare K, O'Driscoll M, Turner K, et al. Intrapartum Antibiotic Chemoprophylaxis Policies for the Prevention of Group B Streptococcal Disease Worldwide: Systematic Review. *Clin Infect Dis*. 2017;65(suppl\_2):S143-S151. doi:10.1093/cid/cix654
51. **Berardi A**, Balestri E, Bonacorsi G, et al. Neonatal pyknocytosis in a preterm dizygotic twin. *World J Clin Pediatr*. 2017;6(4):176-179. Published 2017 Nov 8. doi:10.5409/wjcp.v6.i4.176
52. **Berardi A**, Spaggiari E, Cattelani C, et al. Persistent intestinal bleeding due to severe CMV-related thrombocytopenia in a preterm newborn. *J Matern Fetal Neonatal Med*. 2018;31(9):1246-1249. doi:10.1080/14767058.2017.1312331
53. Tzialla C, **Berardi A**, Farina C, et al. Strategies for preventing group B streptococcal infections in newborns: a nation-wide survey of Italian policies. *Ital J Pediatr*. 2017;43(1):98. Published 2017 Nov 2. doi:10.1186/s13052-017-0409-1
54. **Berardi A**, Pietrangioli Z, Bacchi Reggiani ML, et al. Are postnatal ampicillin levels actually related to the duration of intrapartum antibiotic prophylaxis prior to delivery? A pharmacokinetic study in 120 neonates. *Arch Dis Child Fetal Neonatal Ed*. 2018;103(2):F152-F156. doi:10.1136/archdischild-2016-312546
55. **Berardi A**, Guidotti I, Creti R, et al. Two Overlapping Clusters of Group B Streptococcus Late-onset Disease in a Neonatal Intensive Care Unit. *Pediatr Infect Dis J*. 2018;37(11):1160-1164. doi:10.1097/INF.0000000000001987
56. **Berardi A**, Spada C, Capretti MG, et al. Neonates at Risk of Early-Onset Sepsis: Which Is the Best Approach?. *Neonatology*. 2018;114(2):167-168. doi:10.1159/000489293
57. **Berardi A**, Tzialla C, Travan L, et al. Secondary prevention of early-onset sepsis: a less invasive Italian approach for managing neonates at risk. *Ital J Pediatr*. 2018;44(1):73. Published 2018 Jun 28. doi:10.1186/s13052-018-0515-8
58. Lugli L, Balestri E, **Berardi A**, et al. Brain cooling reduces the risk of post-neonatal epilepsy in newborns affected by moderate to severe hypoxic-ischemic encephalopathy [published online ahead of print, 2018 Jul 2]. *Minerva Pediatr*. 2018;10.23736/S0026-4946.18.05224-6. doi:10.23736/S0026-4946.18.05224-6
59. Nicolini G, Borellini M, Loizzo V, Creti R, Memo L, **Berardi A**. Group B streptococcus late-onset disease, contaminated breast milk and mothers persistently GBS negative: report of 3 cases. *BMC Pediatr*. 2018;18(1):214. Published 2018 Jul 5. doi:10.1186/s12887-018-1192-x
60. Ficara M, Pietrella E, Spada C, Della Casa Muttini E, Lucaccioni L, Iughetti L, **Berardi A**. \*Changes of intestinal microbiota in early life. *J Matern Fetal Neonatal Med*. 2020 Mar;33(6):1036-1043. doi: 10.1080/14767058.2018.1506760. Epub 2018 Sep 10. PMID: 30058404. \*Corresponding author
61. Iughetti L, Lucaccioni L, Fugetto F, Predieri B, **Berardi A**, Ferrari F. Brain-derived neurotrophic factor and epilepsy: a systematic review. *Neuropeptides*. 2018;72:23-29. doi:10.1016/j.npep.2018.09.005
62. Bedetti L, Marrozzini L, Baraldi A, Spezia E, Iughetti L, Lucaccioni L, **Berardi A**. Pitfalls in the diagnosis of meningitis in neonates and young infants: the role of lumbar puncture. *J Matern Fetal Neonatal Med*. 2019 Dec;32(23):4029-4035. doi: 10.1080/14767058.2018.1481031. Epub 2018 Jun 13. PMID: 29792059.
63. **Berardi A**, Rossi C, Spada C, et al. Strategies for preventing early-onset sepsis and for managing neonates at-risk: wide variability across six Western countries. *J Matern Fetal Neonatal Med*. 2019;32(18):3102-3108. doi:10.1080/14767058.2018.1454423
64. **Berardi A**, Spada C, Reggiani MLB, et al. Group B Streptococcus early-onset disease and observation of well-appearing newborns. *PLoS One*. 2019;14(3):e0212784. Published 2019 Mar 20. doi:10.1371/journal.pone.0212784
65. Arpi E, D'Amico R, Lucaccioni L, Bedetti L, **Berardi A**, Ferrari F. Worse global intellectual and worse neuropsychological functioning in preterm-born children at preschool age: a meta-analysis. *Acta Paediatr*. 2019;108(9):1567-1579. doi:10.1111/apa.14836
66. Ficara M, Cenciarelli V, Montanari L, Righi B, Fontijn S, Cingolani G, Predieri B, **Berardi A**, Lucaccioni L, Iughetti L. Unusual meningitis caused by non-typhoid Salmonella in an Italian infant: a case report. *Acta Biomed*. 2019 May 23;90(2):333-338. doi: 10.23750/abm.v90i2.6866. PMID: 31125015; PMCID: PMC6776206.

67. Lucaccioni L, Coccolini E, Dozza A, Cantatore SL, **Berardi A**, Predieri B, Iughetti L. Severe metabolic alkalosis due to diuretic treatment in a patient with distal renal tubular acidosis: a rare association. *Acta Biomed.* 2019 May 23;90(2):348-352. doi: 10.23750/abm.v90i2.6886. PMID: 31125018; PMCID: PMC6776205.
68. **Berardi A**, Sandoni M, Toffoli C, et al. Clinical characterization of neonatal and pediatric enteroviral infections: an Italian single center study. *Ital J Pediatr.* 2019;45(1):94. Published 2019 Aug 2. doi:10.1186/s13052-019-0689-8
69. Lugli L, Bariola MC, Ori L, Lucaccioni L, **Berardi A**, Ferrari F. Further Delineation of Pyridoxine-Responsive Pyridoxine Phosphate Oxidase Deficiency Epilepsy: Report of a New Case and Review of the Literature With Genotype-Phenotype Correlation. *J Child Neurol.* 2019;34(14):937-943. doi:10.1177/0883073819863992
70. Ferrari F, Plessi C, Lucaccioni L, Bertoncetti N, Bedetti L, Ori L, **Berardi A**, Della Casa E, Iughetti L, D'Amico R. Motor and Postural Patterns Concomitant with General Movements Are Associated with Cerebral Palsy at Term and Fidgety Age in Preterm Infants. *J Clin Med.* 2019 Aug 8;8(8):1189. doi: 10.3390/jcm8081189. PMID: 31398881; PMCID: PMC6723626.
71. Spada C, Pietrella E, Caramaschi E, Bergonzini P, **Berardi A**, Lucaccioni L, Iughetti L. Heart failure caused by VGAM: a lesson for diagnosis and treatment from a case and literature review. *J Matern Fetal Neonatal Med.* 2019 Sep 18:1-7. doi: 10.1080/14767058.2019.1665013. Epub ahead of print. PMID: 31488018.
72. Collin SM, Lamb P, Jauneikaite E, Le Doare K, Creti R, **Berardi A**, Heath PT, Sriskandan S, Lamagni T. Hospital clusters of invasive Group B Streptococcal disease: A systematic review. *J Infect.* 2019 Dec;79(6):521-527. doi: 10.1016/j.jinf.2019.11.008. Epub 2019 Nov 13. PMID: 31733233.
73. **Berardi A**, Sforza F, Baroni L, et al. Epidemiology and complications of late-onset sepsis: an Italian area-based study. *PLoS One.* 2019;14(11):e0225407. Published 2019 Nov 22. doi:10.1371/journal.pone.0225407
74. **Berardi A**, Spada C, Vaccina E, Boncompagni A, Bedetti L, Lucaccioni L. Intrapartum beta-lactam antibiotics for preventing group B streptococcal early-onset disease: can we abandon the concept of 'inadequate' intrapartum antibiotic prophylaxis?. *Expert Rev Anti Infect Ther.* 2020;18(1):37-46. doi:10.1080/14787210.2020.1697233
75. **Berardi A**, Spada C, Creti R, et al. Risk factors for group B streptococcus early-onset disease: an Italian, area-based, case-control study. *J Matern Fetal Neonatal Med.* 2020;33(14):2480-2486. doi:10.1080/14767058.2019.1628943
76. **Berardi A**, Bedetti L, Spada C, Lucaccioni L, Frymoyer A. Serial clinical observation for management of newborns at risk of early-onset sepsis. *Curr Opin Pediatr.* 2020;32(2):245-251. doi:10.1097/MOP.0000000000000864
77. Lugli L, Pugliese M, Plessi C, **Berardi A**, Guidotti I, Ancora G, Grandi S, Gargano G, Braibanti S, Sandri F, Soffritti S, Ballardini E, Arena V, Stella M, Perrone S, Moretti S, Rizzo V, Ferrari F; Neuroprem Working Group, Picciolini O, Bellù R, Turolì D, Corvaglia LT, Garani G, Paoletti V, Biasucci G, Biasini A, Benenati B, Stagi P, Magnani C, Dallaglio S, Della Casa Muttini E, Roversi MF, Bedetti L, Lucaccioni L, Bertoncetti N, Boncompagni A. Neuroprem: the Neuro-developmental outcome of very low birth weight infants in an Italian region. *Ital J Pediatr.* 2020 Feb 22;46(1):26. doi: 10.1186/s13052-020-0787-7. PMID: 32087748; PMCID: PMC7036238.
78. Lucaccioni L, Trevisani V, Marrozzini L, Bertoncetti N, Predieri B, Lugli L, **Berardi A**, Iughetti L. Endocrine-Disrupting Chemicals and Their Effects during Female Puberty: A Review of Current Evidence. *Int J Mol Sci.* 2020 Mar 18;21(6):2078. doi: 10.3390/ijms21062078. PMID: 32197344; PMCID: PMC7139481.
79. Botti C, Palma S, Roversi MF, Monzani D, **Berardi A**, Genovese E. Different Audiologic Outcomes in Twins with Congenital Cytomegalovirus Infection. *J Int Adv Otol.* 2020;16(1):130-133. doi:10.5152/iao.2020.6574
80. Vento G, Ventura ML, Pastorino R, van Kaam AH, Carnielli V, Cools F, Dani C, Mosca F, Polglase G, Tagliabue P, Boni L, Cota F, Tana M, Tirone C, Aurilia C, Lio A, Costa S, D'Andrea V, Lucente M, Nigro G, Giordano L, Roma V, Villani PE, Fusco FP, Fasolato V, Colnaghi MR, Matassa PG, Vendettuoli V, Poggi C, Del Vecchio A, Petrillo F, Betta P, Mattia C, Garani G, Solinas A, Gitto E,

- Salvo V, Gargano G, Balestri E, Sandri F, Mescoli G, Martinelli S, Ilardi L, Ciarmoli E, Di Fabio S, Maranella E, Grassia C, Ausanio G, Rossi V, Motta A, Tina LG, Maiolo K, Nobile S, Messner H, Staffler A, Ferrero F, Stasi I, Pieragostini L, Mondello I, Haass C, Consigli C, Vedovato S, Grison A, Maffei G, Presta G, Perniola R, Vitaliti M, Re MP, De Curtis M, Cardilli V, Lago P, Tormena F, Orfeo L, Gizzi C, Massenzi L, Gazzolo D, Strozzi MCM, Bottino R, Pontiggia F, **Berardi A**, Guidotti I, Cacace C, Meli V, Quartulli L, Scorrano A, Casati A, Grappone L, Pillow JJ. Lung recruitment before surfactant administration in extremely preterm neonates with respiratory distress syndrome (IN-REC-SUR-E): a randomised, unblinded, controlled trial. *Lancet Respir Med*. 2020 Jul 17:S2213-2600(20)30179-X. doi: 10.1016/S2213-2600(20)30179-X. Epub ahead of print. PMID: 32687801.
81. Lugli L, Bedetti L, Lucaccioni L, Gennari W, Leone C, Ancora G, **Berardi A**. An Uninfected Preterm Newborn Inadvertently Fed SARS-CoV-2-Positive Breast Milk. *Pediatrics*. 2020 Dec;146(6):e2020004960. doi: 10.1542/peds.2020-004960. Epub 2020 Aug 25. PMID: 32843439.
  82. **Berardi A**, Cassetti T, Creti R, Vocale C, Ambretti S, Sarti M, Facchinetti F, Cose S; Prepare Network, Heath P, Le Doare K. The Italian arm of the PREPARE study: an international project to evaluate and license a maternal vaccine against group B streptococcus. *Ital J Pediatr*. 2020 Oct 28;46(1):160. doi: 10.1186/s13052-020-00923-3. PMID: 33115542; PMCID: PMC7594470.
  83. Biban P, Conti G, Wolfler AM, Carlassara S, Gitto E, Rulli I, Moscatelli A, Micalizzi C, Savron F, Sagredini R, Genoni G, Binotti M, Caramelli F, Fae M, Pettenazzo A, Stritoni V, D'Amato L, Zito Marinosci G, Calderini E, Scalia Catenacci S, **Berardi A**, Torcetta F, Bonanomi E, Bonacina D, Ivani G, Santuz P. Efficacy and safety of exogenous surfactant therapy in patients under 12 months of age invasively ventilated for severe bronchiolitis (SURFABRON): protocol for a multicentre, randomised, double-blind, controlled, non-profit trial. *BMJ Open*. 2020 Oct 19;10(10):e038780. doi: 10.1136/bmjopen-2020-038780. PMID: 33077567; PMCID: PMC7574934.
  84. Lucaccioni L, Righi B, Cingolani GM, Lugli L, Della Casa E, Torcetta F, Iughetti L, **Berardi A**. Overwhelming sepsis in a neonate affected by Zellweger syndrome due to a compound heterozygosis in PEX 6 gene: a case report. *BMC Med Genet*. 2020 Nov 19;21(1):229. doi: 10.1186/s12881-020-01175-y. PMID: 33213396; PMCID: PMC7678176.
  85. Sileo FG, Tramontano AL, Leone C, Meacci M, Gennari W, Ternelli G, La Marca A, Lugli L, **Berardi A**, Facchinetti F, Bertucci E. Pregnant woman infected by Coronavirus Disease (COVID-19) and calcifications of the fetal bowel and gallbladder: a case report. *Minerva Ginecol*. 2020 Nov 30. doi: 10.23736/S0026-4784.20.04717-6. Epub ahead of print. PMID: 33249821.
  86. Palma S, Roversi MF, Alberici MP, Negri M, Chiossi C, **Berardi A**, Genovese E. Newborn hearing screening programme based on an integrated hospital and community care system. Results of the first 4 years of activity. *Int J Pediatr Otorhinolaryngol*. 2020 Dec 11;141:110554. doi: 10.1016/j.ijporl.2020.110554. Epub ahead of print. PMID: 33341716.
  87. Lucaccioni L, Ficara M, Cenciarelli V, **Berardi A**, Predieri B, Iughetti L. Long term outcomes of infants born by mothers with thyroid dysfunction during pregnancy. *Acta Biomed*. 2020 Sep 15;92(1):e2021010. doi: 10.23750/abm.v92i1.9696. PMID: 33682817.
  88. Lucaccioni L, Bertoncelli N, Comini M, Martignoni L, Coscia A, Lugli L, Righi E, Iughetti L, **Berardi A**, Ferrari F. The ontogeny of limbs movements towards midline in healthy infants born at term. *Early Hum Dev*. 2021 Feb 4;155:105324. doi: 10.1016/j.earlhumdev.2021.105324. Epub ahead of print. PMID: 33581484.
  89. Lucaccioni L, Trevisani V, Boncompagni A, Marrozzini L, Berardi A, Iughetti L. Minipuberty: Looking Back to Understand Moving Forward. *Front Pediatr*. 2021 Jan 18;8:612235. doi: 10.3389/fped.2020.612235. PMID: 33537266; PMCID: PMC7848193.
  90. Lucaccioni L, Boncompagni A, Pugliese M, Talucci G, Della Casa E, Bertoncelli N, Coscia A, Bedetti L, **Berardi A**, Iughetti L, Ferrari F. Subtle impairment of neurodevelopment in infants with late fetal growth restriction. *J Matern Fetal Neonatal Med*. 2021 Jan 17:1-8. doi: 10.1080/14767058.2021.1873267. Epub ahead of print. PMID: 33455501.
  91. Lugli L, Ciancia S, Bertucci E, Lucaccioni L, Calabrese O, Madeo S, **Berardi A**, Iughetti L. Homozygous n.64C>T mutation in mitochondrial RNA-processing endoribonuclease gene causes cartilage hair hypoplasia syndrome in two siblings. *Eur J Med Genet*. 2021 Feb;64(2):104136. doi: 10.1016/j.ejmg.2021.104136. Epub 2021 Jan 12. PMID: 33444820.

92. Lugli L, Bariola MC, Ferri L, Lucaccioni L, Bertucci E, Cattini U, Torcetta F, Morrone A, Iughetti L, **Berardi A**. Disorder of sex development associated with a novel homozygous nonsense mutation in COG6 expands the phenotypic spectrum of COG6-CDG. *Am J Med Genet A*. 2021 Jan 4. doi: 10.1002/ajmg.a.62061. Epub ahead of print. PMID: 33394555.
93. Lucaccioni L, Ficara M, Cenciarelli V, Berardi A, Predieri B, Iughetti L. Long term outcomes of infants born by mothers with thyroid dysfunction during pregnancy. *Acta Biomed*. 2020 Sep 15;92(1):e2021010. doi: 10.23750/abm.v92i1.9696. PMID: 33682817.
94. **Berardi A**, Zinani I, Rossi C, Spaggiari E, D'Amico V, Toni G, Bedetti L, Lucaccioni L, Iughetti L, Lugli L. Antibiotic Use in Very Low Birth Weight Neonates After an Antimicrobial Stewardship Program. *Antibiotics (Basel)*. 2021 Apr 9;10(4):411. doi: 10.3390/antibiotics10040411. PMID: 33918796; PMCID: PMC8070476.
95. Palma S, Mazzoni L, Roversi MF, Botti C, Monzani D, **Berardi A**, Genovese E. Unexpected hearing improvement after treatment with valganciclovir in a child with congenital cytomegalovirus infection. *Folia Med (Plovdiv)*. 2021 Apr 30;63(2):297-301. doi: 10.3897/folmed.63.e54665. PMID: 33932024.
96. Di Caprio A, Coccolini E, Zagni P, Vaccina E, Lucaccioni L, Lugli L, Iughetti L, **Berardi A**. Pneumococcal septic shock after neonatal respiratory syncytial virus bronchiolitis: A case report and literature review. *Acta Biomed*. 2021 Apr 30;92(S1):e2021111. doi: 10.23750/abm.v92iS1.11209. PMID: 33944814; PMCID: PMC8142759.
97. Bedetti L, Lugli L, Marrozzini L, Baraldi A, Leone F, Baroni L, Lucaccioni L, Rossi C, Roversi MF, D'Amico R, Iughetti L, **Berardi A**. Safety and Success of Lumbar Puncture in Young Infants: A Prospective Observational Study. *Front Pediatr*. 2021 Jun 14;9:692652. doi: 10.3389/fped.2021.692652. PMID: 34211946; PMCID: PMC8240589.
98. **Berardi A**, Spada C, Creti R, Auriti C, Gambini L, Rizzo V, Capretti M, Laforgia N, Papa I, Tarocco A, Lanzoni A, Biasucci G, Piccinini G, Nardella G, Latorre G, Merazzi D, Travan L, Reggiani MLB, Baroni L, Ciccia M, Lucaccioni L, Iughetti L, Lugli L. Maternal Carriage in Late-Onset Group B Streptococcus Disease, Italy. *Emerg Infect Dis*. 2021;27(9):2279-2287. doi: 10.3201/eid2709.210049. PMID: 34423765; PMCID: PMC8386770.
99. **Berardi A**, Trevisani V, Di Caprio A, Bua J, China M, Perrone B, Pagano R, Lucaccioni L, Fanaro S, Iughetti L, Lugli L, Creti R. Understanding Factors in Group B Streptococcus Late-Onset Disease. *Infect Drug Resist*. 2021 Aug 17;14:3207-3218. doi: 10.2147/IDR.S291511. PMID: 34429620; PMCID: PMC8380284.
100. Lugli L, Spada C, Garetti E, Guidotti I, Roversi MF, Della Casa E, Bedetti L, Lucaccioni L, Pugliese M, Ferrari F, Iughetti L, Lago P, **Berardi A**. Fentanyl analgesia in asphyxiated newborns treated with therapeutic hypothermia. *J Matern Fetal Neonatal Med*. 2021 Sep 5:1-7. doi: 10.1080/14767058.2021.1937106. Epub ahead of print. PMID: 34486466.
101. Lugli L, Pollazzon M, Bigoni S, Caraffi SG, Ferlini A, Ferri L, Morrone A, Calabrese O, Iughetti L, Garavelli L, **Berardi A**. Correspondence on "Disorder of sex development associated with a novel homozygous nonsense mutation in COG6 expands the phenotypic spectrum of COG6-CDG". *Am J Med Genet A*. 2022 Jan;188(1):382-383. doi: 10.1002/ajmg.a.62511. Epub 2021 Sep 25. PMID: 34562059.
102. Lugli L, Bedetti L, Guidotti I, Pugliese M, Picciolini O, Roversi MF, Della Casa Muttini E, Lucaccioni L, Bertoncelli N, Ancora G, Gargano G, Mosca F, Sandri F, Corvaglia LT, Solinas A, Perrone S, Stella M; Neuroprem Working Group, Iughetti L, **Berardi A**, Ferrari F. Neuroprem 2: An Italian Study of Neurodevelopmental Outcomes of Very Low Birth Weight Infants. *Front Pediatr*. 2021 Sep 13;9:697100. doi: 10.3389/fped.2021.697100. PMID: 34589450; PMCID: PMC8474877.
103. Vaccina E, Luglio A, Ceccoli M, Lecis M, Leone F, Zini T, Toni G, Lugli L, Lucaccioni L, Iughetti L, **Berardi A**. Brief comments on three existing approaches for managing neonates at risk of early-onset sepsis. *Ital J Pediatr*. 2021 Jul 18;47(1):159. doi: 10.1186/s13052-021-01107-3. PMID: 34275466; PMCID: PMC8286612.
104. Creti R, Imperi M, **Berardi A**, Lindh E, Alfarone G, Pataracchia M, Recchia S, The Italian Network On Neonatal And Infant Gbs Infections. *Invasive Group B Streptococcal Disease in*

- Neonates and Infants, Italy, Years 2015-2019. *Microorganisms*. 2021 Dec 13;9(12):2579. doi: 10.3390/microorganisms9122579. PMID: 34946181; PMCID: PMC8708122.
105. Valeri L, Lugli L, Iughetti L, Soresina A, Giliani S, Porta F, **Berardi A**. Omenn Syndrome due to RAG1 mutation presenting with Nonimmune Hydrops Fetalis in two siblings. *Pediatrics*. 2022 Jan 1;149(1):e2021052411
  106. Ferrari F, Bedetti L, Bertoncetti N, Roversi MF, Della Casa E, Guidotti I, Ori L, D'Amico R, Valeri L, Lugli L, Lucaccioni L, **Berardi A**. Foot-to-Foot Contact Among Initial Goal-Directed Movements Supports the Prognostic Value of Fidgety Movements in HIE-Cooled Infants. *Front Pediatr*. 2022 Jan 5;9:731021. doi: 10.3389/fped.2021.731021. PMID: 35071123; PMCID: PMC8767005.
  107. Sandoni M, Ciardo L, Tamburini C, Boncompagni A, Rossi C, Guidotti I, Garetti E, Lugli L, Iughetti L, **Berardi A**. Enteroviral Infections in the First Three Months of Life. *Pathogens*. 2022 Jan 3;11(1):60. doi: 10.3390/pathogens11010060. PMID: 35056008; PMCID: PMC8782040.
  108. Spaggiari E, Amato M, Ricca OA, Corradini Zini L, Bianchedi I, Lugli L, Boncompagni A, Guidotti I, Rossi C, Bedetti L, Iughetti L, **Berardi A**. Can Fraction of Inspired Oxygen Predict Extubation Failure in Preterm Infants? *Children (Basel)*. 2022 Jan 1;9(1):30. doi: 10.3390/children9010030. PMID: 35053655; PMCID: PMC8774464.
  109. Bedetti L, Poluzzi S, Guidotti I, Lucaccioni L, Rota C, Cavalleri F, Pugliese M, Iughetti L, Lugli L, **Berardi A**. Multiple thrombosis of the cerebral venous sinuses, neonatal seizures, and minor parenchymal lesions: a case report and a review of the literature. *J Matern Fetal Neonatal Med*. 2022 Feb 9:1-4. doi: 10.1080/14767058.2021.1986480. Epub ahead of print. PMID: 35135398.
  110. Bozzi Cionci N, Lucaccioni L, Pietrella E, Ficara M, Spada C, Torelli P, Bedetti L, Lugli L, Di Gioia D, **Berardi A**. Antibiotic Exposure, Common Morbidities and Main Intestinal Microbial Groups in Very Preterm Neonates: A Pilot Study. *Antibiotics (Basel)*. 2022 Feb 12;11(2):237. doi: 10.3390/antibiotics11020237. PMID: 35203839; PMCID: PMC8868158.
  111. Filippa M, Nardelli M, Della Casa E, **Berardi A**, Picciolini O, Meloni S, Lunardi C, Cecchi A, Sansavini A, Corvaglia L, Scilingo EP, Ferrari F, Evc Group. Maternal Singing but Not Speech Enhances Vagal Activity in Preterm Infants during Hospitalization: Preliminary Results. *Children (Basel)*. 2022 Jan 21;9(2):140. doi: 10.3390/children9020140. PMID: 35204861; PMCID: PMC8869818.
  112. Miselli F, Lugli L, Bedetti L, Zinani I, **Berardi A**. Early-onset meningitis with delayed presentation: Is there a role for prevention? *EClinicalMedicine*. 2022 Feb 26;45:101312. doi: 10.1016/j.eclinm.2022.101312. PMID: 35243276; PMCID: PMC8885572.
  113. Miselli F, Creti R, Lugli L, **Berardi A**. Group B Streptococcus Late-onset Neonatal Disease: An Update in Management and Prevention. *Pediatr Infect Dis J*. 2022 Apr 18. doi: 10.1097/INF.0000000000003517. Epub ahead of print. PMID: 35446809.
  114. Creti R, Imperi M, **Berardi A**, Angeletti S, Gherardi G. Laboratory breakpoints for assessing high level gentamicin resistance in *Streptococcus agalactiae*: it is the time for a consensus. *Clin Microbiol Infect*. 2022 May 5:S1198-743X(22)00219-1. doi: 10.1016/j.cmi.2022.04.011. Epub ahead of print. PMID: 35526691.
  115. Sundas L, Palma S, Pugliese M, Roversi MF, Apa E, **Berardi A**, Genovese E, Monzani D. Monitoring of Communication Precursors in Extremely Low Birth Weight (ELBW) Newborns by Video Analysis Method: Preliminary Results. *Children (Basel)*. 2022 Apr 23;9(5):602. doi: 10.3390/children9050602. PMID: 35626779; PMCID: PMC9139730.
  116. Spaggiari V, Passini E, Crestani S, Roversi MF, Bedetti L, Rossi K, Lucaccioni L, Baraldi C, Della Casa Muttini E, Lugli L, Iughetti L, **Berardi A**. Neonatal septic shock, a focus on first line interventions. *Acta Biomed*. 2022 Jul 1;93(3):e2022141. doi: 10.23750/abm.v93i3.12577. PMID: 35775767.
  117. Lugli L, Cavalleri F, Bertucci E, Fischer-Zirnsak B, Cinelli G, Trevisani V, Rossi C, Riva M, Iughetti L, **Berardi A**. Autosomal recessive cutis laxa type IIIA: Report of a patient with severe phenotype and review of the literature. *Eur J Med Genet*. 2022 Sep;65(9):104568. doi: 10.1016/j.ejmg.2022.104568. Epub 2022 Jul 13. PMID: 35842092.

118. Guidotti I, Lugli L, Ori L, Roversi MF, Casa Muttini ED, Bedetti L, Pugliese M, Cavalleri F, Stefanelli F, Ferrari F, **Berardi A**. Neonatal seizures treatment based on conventional multichannel EEG monitoring: an overview of therapeutic options. *Expert Rev Neurother*. 2022 Jul;22(7):623-638. doi: 10.1080/14737175.2022.2105698. Epub 2022 Aug 10. PMID: 35876114.
119. Lucaccioni L, Iughetti L, **Berardi A**, Predieri B. Challenges in the growth and development of newborns with extra-uterine growth restriction. *Expert Rev Endocrinol Metab*. 2022 Sep;17(5):415-423. doi: 10.1080/17446651.2022.2110468. Epub 2022 Aug 8. PMID: 35941822.
120. **Berardi A**, Zinani I, Bedetti L, Vaccina E, Toschi A, Toni G, Lecis M, Leone F, Monari F, Cozzolino M, Zini T, Boncompagni A, Iughetti L, Miselli F, Lugli L. Should we give antibiotics to neonates with mild non-progressive symptoms? A comparison of serial clinical observation and the neonatal sepsis risk calculator. *Front Pediatr*. 2022 Jul 22;10:882416. doi: 10.3389/fped.2022.882416. PMID: 35967559; PMCID: PMC9364607.
121. Lugli L, Guidotti I, Pugliese M, Roversi MF, Bedetti L, Della Casa Muttini E, Cavalleri F, Todeschini A, Genovese M, Ori L, Amato M, Miselli F, Lucaccioni L, Bertonecchi N, Candia F, Maura T, Iughetti L, Ferrari F, **Berardi A**. Polygraphic EEG Can Identify Asphyxiated Infants for Therapeutic Hypothermia and Predict Neurodevelopmental Outcomes. *Children (Basel)*. 2022 Aug 9;9(8):1194. doi: 10.3390/children9081194. PMID: 36010084; PMCID: PMC9406624.
122. Boncompagni A, De Agostini M, Lugli L, Ternelli G, Colonna V, Biagioni E, Bonasoni MP, Salviato T, Gabrielli L, Falconi M, Facchinetti F, **Berardi A**. Unexpected Vertical Transmission of SARS-CoV-2: Discordant Clinical Course and Transmission from Mother to Newborn. *Microorganisms*. 2022 Aug 26;10(9):1718. doi: 10.3390/microorganisms10091718. PMID: 36144320; PMCID: PMC9501093.
123. Lugli L, Rossi C, Ceccarelli PL, Calabrese O, Bedetti L, Miselli F, Bianchini MA, Iughetti L, **Berardi A**. Townes-Brooks syndrome with craniosynostosis in two siblings. *Eur J Med Genet*. 2022 Dec;65(12):104642. doi: 10.1016/j.ejmg.2022.104642. Epub 2022 Oct 15. PMID: 36252910.
124. Miselli F, Cuoghi Costantini R, Creti R, Sforza F, Fanaro S, Ciccina M, Piccinini G, Rizzo V, Pasini L, Biasucci G, Pagano R, Capretti M, China M, Gambini L, Pulvirenti RM, Dondi A, Lanari M, Pedna M, Ambretti S, Lugli L, Bedetti L, **Berardi A**. Escherichia coli Is Overtaking Group B Streptococcus in Early-Onset Neonatal Sepsis. *Microorganisms*. 2022 Sep 20;10(10):1878. doi: 10.3390/microorganisms10101878. PMID: 36296155; PMCID: PMC9607315.
125. Giannoni E, Dimopoulou V, Klingenberg C, Navér L, Nordberg V, **Berardi A**, El Helou S, Fusch G, Bliss JM, Lehnick D, Guerina N, Seliga-Siwecka J, Maton P, Lagae D, Mari J, Janota J, Agyeman PKA, Pfister R, Latorre G, Maffei G, Laforgia N, Mózes E, Størdal K, Strunk T, Stocker M; AENEAS Study Group. Analysis of Antibiotic Exposure and Early-Onset Neonatal Sepsis in Europe, North America, and Australia. *JAMA Netw Open*. 2022 Nov 1;5(11):e2243691. doi: 10.1001/jamanetworkopen.2022.43691. PMID: 36416819; PMCID: PMC9685486.
126. Bertonecchi N, Lugli L, Bedetti L, Lucaccioni L, Bianchini A, Boncompagni A, Cipolli F, Cosimo AC, Cuomo G, Di Giuseppe M, Lelli T, Muzzi V, Paglia M, Pezzuti L, Sabbioni C, Salzone F, Sorgente MC, Ferrari F, **Berardi A**. Parents' Experience in an Italian NICU Implementing NIDCAP-Based Care: A Qualitative Study. *Children (Basel)*. 2022 Dec 7;9(12):1917. doi: 10.3390/children9121917. PMID: 36553360; PMCID: PMC9776912.
127. Bedetti L, Lugli L, Garetti E, Guidotti I, Roversi MF, Della Casa E, Miselli F, Bariola MC, Di Caprio A, Pugliese M, Ferrari F, **Berardi A**. Sudden Unexpected Postnatal Collapse and Therapeutic Hypothermia: What's Going On? *Children (Basel)*. 2022 Dec 8;9(12):1925. doi: 10.3390/children9121925. PMID: 36553368; PMCID: PMC9776888.
128. Ferrari F, Bedetti L, Cavalleri F, Lucaccioni L, Bertonecchi N, Guidotti I, Lugli L, Roversi MF, Della Casa Muttini E, Pugliese M, Arpi E, D'Amico R, **Berardi A**. Therapeutic hypothermia is associated with changes in prognostic value of general movements. *Eur J Paediatr Neurol*. 2023 Jan;42:53-59. doi: 10.1016/j.ejpn.2022.12.004. Epub 2022 Dec 16. PMID: 36563466.
129. Miselli F, Frabboni I, Di Martino M, Zinani I, Buttera M, Insalaco A, Stefanelli F, Lugli L, **Berardi A**. Transmission of Group B Streptococcus in late-onset neonatal disease: a narrative review of current evidence. *Ther Adv Infect Dis*. 2022 Dec 21;9:20499361221142732. doi: 10.1177/20499361221142732. PMID: 36569815; PMCID: PMC9780763.

130. Corso L, Buttera M, Candia F, Sforza F, Rossi K, Lugli L, Miselli F, Bedetti L, Baraldi C, Lucaccioni L, Iughetti L, **Berardi A**. Infectious Risks Related to Umbilical Venous Catheter Dwell Time and Its Replacement in Newborns: A Narrative Review of Current Evidence. *Life (Basel)*. 2022 Dec 31;13(1):123. doi: 10.3390/life13010123. PMID: 36676072; PMCID: PMC9863057.
131. Scarponi D, Bedetti L, Zini T, Di Martino M, Cingolani GM, Spaggiari E, Rossi K, Miselli F, Lugli L, Bergamini BM, Iughetti L, **Berardi A**. COVID-19 restrictions and hygiene measures reduce the rates of respiratory infections and wheezing among preterm infants. *Acta Biomed*. 2023 Feb 13;94(1):e2023032. doi: 10.23750/abm.v94i1.13596. PMID: 36786261.
132. Apa E, Presutti MT, Rossi C, Roversi MF, Neri S, Gargano G, Bianchin G, Polizzi V, Caragli V, Monzani D, **Berardi A**, Palma S, Genovese E. Monitoring of Auditory Function in Newborns of Women Infected by SARS-CoV-2 during Pregnancy. *Children (Basel)*. 2023 Jan 20;10(2):194. doi: 10.3390/children10020194. PMID: 36832324; PMCID: PMC9954415.
133. Miselli F, Crestani S, Maugeri M, Passini E, Spaggiari V, Deonette E, Ćosić B, Rossi K, Roversi MF, Bedetti L, Lugli L, Costantini RC, **Berardi A**. Late-Onset Sepsis Mortality among Preterm Infants: Beyond Time to First Antibiotics. *Microorganisms*. 2023 Feb 3;11(2):396. doi: 10.3390/microorganisms11020396. PMID: 36838360; PMCID: PMC9967585.
134. De Biasi S, Neroni A, Nasi M, Lo Tartaro D, Borella R, Gibellini L, Lucaccioni L, Bertucci E, Lugli L, Miselli F, Bedetti L, Neri I, Ferrari F, Facchinetti F, **Berardi A**, Cossarizza A. Healthy preterm newborns: Altered innate immunity and impaired monocyte function. *Eur J Immunol*. 2023 Mar 16:e2250224. doi: 10.1002/eji.202250224. Epub ahead of print. PMID: 36929362.
135. Bedetti L, Lugli L, Bertoncetti N, Spaggiari E, Garetti E, Lucaccioni L, Cipolli F, **Berardi A**. Early Skin-to-Skin Contact in Preterm Infants: Is It Safe? An Italian Experience. *Children (Basel)*. 2023 Mar 17;10(3):570. doi: 10.3390/children10030570. PMID: 36980127; PMCID: PMC10047376.
136. Stocker M, Klingenberg C, Navér L, Nordberg V, **Berardi A**, El Helou S, Fusch G, Bliss JM, Lehnick D, Dimopoulou V, Guerina N, Seliga-Siwecka J, Maton P, Lagae D, Mari J, Janota J, Agyeman PKA, Pfister R, Latorre G, Maffei G, Laforgia N, Mózes E, Størdal K, Strunk T, Giannoni E. Less is more: Antibiotics at the beginning of life. *Nat Commun*. 2023 Apr 27;14(1):2423. doi: 10.1038/s41467-023-38156-7. PMID: 37105958; PMCID: PMC10134707.
137. **Berardi A**, Trevisani V, Di Caprio A, Caccamo P, Latorre G, Loprieno S, Foglianese A, Laforgia N, Perrone B, Nicolini G, Ciccina M, Capretti MG, Giugno C, Rizzo V, Merazzi D, Fanaro S, Taurino L, Pulvirenti RM, Orlandini S, Auriti C, Haass C, Ligi L, Vellani G, Tzialla C, Tuoni C, Santori D, Baroni L, China M, Bua J, Visintini F, Decembrino L, Creti R, Miselli F, Bedetti L, Lugli L. Timing of Symptoms of Early-Onset Sepsis after Intrapartum Antibiotic Prophylaxis: Can It Inform the Neonatal Management? *Pathogens*. 2023 Apr 13;12(4):588. doi: 10.3390/pathogens12040588. PMID: 37111474; PMCID: PMC10140896.
138. Tramontano AL, Menichini D, Lazzarin S, Sponzilli A, Zinani I, Facchinetti F, **Berardi A**. Exposure to prolonged rupture of membranes at term increases the risk for ventilatory support in uninfected neonates. *Am J Perinatol*. 2023 Jun 13. doi: 10.1055/a-2109-4109. Epub ahead of print. PMID: 37311542.
139. Bedetti L, Zinani I, Lugli L, Iughetti L, Facchinetti F, **Berardi A**. Assessing risks of leaving the umbilical cord uncut: A case-control study. *Acta Paediatr*. 2023 Jun 20. doi: 10.1111/apa.16887. Epub ahead of print. PMID: 37340574.
140. Autore G, Bernardi L, Ghidini F, La Scola C, **Berardi A**, Biasucci G, Marchetti F, Pasini A, Capra ME, Castellini C, Cioni V, Cantatore S, Cella A, Cusenza F, De Fanti A, Della Casa Muttini E, Di Costanzo M, Dozza A, Gatti C, Malaventura C, Pierantoni L, Parente G, Pelusi G, Perrone S, Serra L, Torcetta F, Valletta E, Vergine G, Antodaro F, Bergomi A, Chiarlolanza J, Leoni L, Mazzini F, Sacchetti R, Suppiej A, Iughetti L, Pession A, Lima M, Esposito S, The Uti-Ped-Er Study Group. Antibiotic Prophylaxis for the Prevention of Urinary Tract Infections in Children: Guideline and Recommendations from the Emilia-Romagna Pediatric Urinary Tract Infections (UTI-Ped-ER) Study Group. *Antibiotics (Basel)*. 2023 Jun 12;12(6):1040. doi: 10.3390/antibiotics12061040. PMID: 37370359; PMCID: PMC10295299.
141. Bedetti L, Miselli F, Minotti C, Latorre G, Loprieno S, Foglianese A, Laforgia N, Perrone B, Ciccina M, Capretti MG, Giugno C, Rizzo V, Merazzi D, Fanaro S, Taurino L, Pulvirenti RM,

- Orlandini S, Auriti C, Haass C, Ligi L, Vellani G, Tzialla C, Tuoni C, Santori D, China M, Baroni L, Nider S, Visintini F, Decembrino L, Nicolini G, Creti R, Pellacani E, Dondi A, Lanari M, Benenati B, Biasucci G, Gambini L, Lugli L, **Berardi A**. Lumbar Puncture and Meningitis in Infants with Proven Early- or Late-Onset Sepsis: An Italian Prospective Multicenter Observational Study. *Microorganisms*. 2023 Jun 10;11(6):1546. doi: 10.3390/microorganisms11061546. PMID: 37375048; PMCID: PMC10304482.
142. Lugli L, Garetti E, Goffredo BM, Candia F, Crestani S, Spada C, Guidotti I, Bedetti L, Miselli F, Della Casa EM, Roversi MF, Simeoli R, Cairoli S, Merazzi D, Lago P, Iughetti L, **Berardi A**. Continuous Fentanyl Infusion in Newborns with Hypoxic-Ischemic Encephalopathy Treated with Therapeutic Hypothermia: Background, Aims, and Study Protocol for Time-Concentration Profiles. *Biomedicines*. 2023 Aug 27;11(9):2395. doi: 10.3390/biomedicines11092395. PMID: 37760835; PMCID: PMC10525845.
143. Boncompagni A, Pietrella E, Passini E, Grisolia C, Tagliazucchi M, Tagliafico E, Lugli L, **Berardi A**, Iughetti L, Lucaccioni L. Minipuberty in Male Full-term Neonates Appropriate and Small for Gestational Age and in Preterm Babies: Data From a Single Centre. *J Clin Res Pediatr Endocrinol*. 2023 Sep 26. doi: 10.4274/jcrpe.galenos.2023.2023-4-9. Epub ahead of print. PMID: 37750394.
144. Palma S, Forli F, Rossi C, Filice R, D'adamo C, Roversi MF, Monzani D, Lorenzoni F, Botti C, Berrettini S, Bruschini L, **Berardi A**, Genovese E, Canelli R. The Audiological Follow-Up of Children with Symptomatic Congenital Cytomegalovirus Infection: An Experience in Two Italian Centers. *Children (Basel)*. 2023 Jun 30;10(7):1136. doi: 10.3390/children10071136. PMID: 37508638; PMCID: PMC10378266.
145. Minotti C, Di Caprio A, Facchini L, Bedetti L, Miselli F, Rossi C, Della Casa Muttini E, Lugli L, Luppi L, Ferrari F, **Berardi A**. Antimicrobial Resistance Pattern and Empirical Antibiotic Treatments in Neonatal Sepsis: A Retrospective, Single-Center, 12-Year Study. *Antibiotics (Basel)*. 2023 Sep 27;12(10):1488. doi: 10.3390/antibiotics12101488. PMID: 37887188; PMCID: PMC10604095.
146. Corsini I, Rodriguez-Fanjul J, Raimondi F, Boni L, **Berardi A**, Aldecoa-Bilbao V, Alonso-Ojembarrena A, Ancora G, Aversa S, Beghini R, Meseguer NB, Capasso L, Chesi F, Ciarcia M, Concheiro A, Corvaglia L, Ficial B, Filippi L, Carballed JF, Fusco M, Gatto S, Ginovart G, Gregorio-Hernández R, Lista G, Sánchez-Luna M, Martini S, Massenzi L, Miselli F, Mercadante D, Mosca F, Palacio MT, Perri A, Piano F, Prieto MP, Fernandez LR, Risso FM, Savoia M, Staffler A, Vento G, Dani C. Lung Ultrasound Guided surfactant therapy in preterm infants: an international multicenter randomized control trial (LUNG study). *Trials*. 2023 Nov 4;24(1):706. doi: 10.1186/s13063-023-07745-8. PMID: 37925512; PMCID: PMC10625281.
147. Zini T, Miselli F, **Berardi A**. Noninvasive Monitoring Strategies for Bronchopulmonary Dysplasia or Post-Prematurity Respiratory Disease: Current Challenges and Future Prospects. *Children (Basel)*. 2023 Oct 29;10(11):1753. doi: 10.3390/children10111753. PMID: 38002844.
148. Menichini D, Rossi K, Bonini E, Deicco ML, Monari F, Di Mario S, **Berardi A**, Facchinetti F, Neri I. A prospective cohort study evaluating exclusive breastfeeding in late preterm infants. *Minerva Obstet Gynecol*. 2023 Nov 28. doi: 10.23736/S2724-606X.23.05411-8. Epub ahead of print. PMID: 38015614.
149. Filippa M, Nardelli M, Sansavini A, Meloni S, Picciolini O, Lunardi C, Cecchi A, Corvaglia L, Grandjean D, Scilingo EP, Della Casa E, **Berardi A**; EVC Group; Ferrari F. Maternal singing sustains preterm hospitalized newborns' autonomic nervous system maturation: an RCT. *Pediatr Res*. 2023 Dec 6. doi: 10.1038/s41390-023-02932-4. Epub ahead of print. PMID: 38057574.
150. Regazzi M, **Berardi A**, Picone S, Tzialla C. Pharmacokinetic and Pharmacodynamic Considerations of Antibiotic Use in Neonates. *Antibiotics (Basel)*. 2023 Dec 18;12(12):1747. doi: 10.3390/antibiotics12121747. PMID: 38136781; PMCID: PMC10740758.
151. Di Caprio A, Rossi C, Bertucci E, Bedetti L, Bertoncetti N, Miselli F, Corso L, Bondi C, Iughetti L, **Berardi A**, Lugli L. Fetal hepatic calcification in severe KAT6A (Arboleda-Tham) syndrome. *Eur J Med Genet*. 2023 Dec 22;67:104906. doi: 10.1016/j.ejmg.2023.104906. Epub ahead of print. PMID: 38143025.
152. Lugli L, Bariola MC, Guidotti I, Pugliese M, Roversi MF, Bedetti L, Della Casa E, Miselli F, Ori L, Lucaccioni L, Bertoncetti N, Rossi K, Crestani S, Bergonzini P, Iughetti L., Ferrari F,

- Berardi A.** Neurodevelopmental outcome of neonatal seizures: A longitudinal study. *Eur J Paediatr Neurol*. Published online January 28, 2024. doi:10.1016/j.ejpn.2024.01.007
153. Miselli F, Casadei L, Lugli L, Bedetti L, Corso L, Buttera M, **Berardi A.** Current practices in neonatal umbilical venous catheters: inquiring about the 48-hour dwell time and advocating for evidence-based care. *J Hosp Infect*. Published online February 7, 2024. doi:10.1016/j.jhin.2024.01.017
154. Lugli, L., Pugliese, M., Bertocelli, N., Bedetti, L., Agnini, C., Guidotti, I., Roversi, M. F., Della Casa, E. M., Cavalleri, F., Todeschini, A., Di Caprio, A., Zini, T., Corso, L., Miselli, F., Ferrari, F., & **Berardi, A.** (2023). Neurodevelopmental Outcome and Neuroimaging of Very Low Birth Weight Infants from an Italian NICU Adopting the Family-Centered Care Model. *Children (Basel, Switzerland)*, 11(1), 12. <https://doi.org/10.3390/children11010012>
155. Bedetti, L., Corso, L., Miselli, F., Guidotti, I., Toffoli, C., Miglio, R., Roversi, M. F., Muttini, E. D. C., Pugliese, M., Bertocelli, N., Zini, T., Mazzotti, S., Lugli, L., Lucaccioni, L., & **Berardi, A.** (2024). Neurodevelopmental Outcome after Culture-Proven or So-Called Culture-Negative Sepsis in Preterm Infants. *Journal of clinical medicine*, 13(4), 1140. <https://doi.org/10.3390/jcm13041140>
156. Dani, C., Miselli, F., Zini, T., Scarponi, D., Luzzati, M., Sarcina, D., Fusco, M., Dianori, F., & **Berardi, A.** (2024). Measurement of lung oxygenation by near-infrared spectroscopy in preterm infants with bronchopulmonary dysplasia. *Pediatric pulmonology*, 59(6), 1631–1637. <https://doi.org/10.1002/ppul.26955>
157. Zini, T., Miselli, F., D'Esposito, C., Fidanza, L., Cuoghi Costantini, R., Corso, L., Mazzotti, S., Rossi, C., Spaggiari, E., Rossi, K., Lugli, L., Bedetti, L., & **Berardi, A.** (2024). Sustaining the Continued Effectiveness of an Antimicrobial Stewardship Program in Preterm Infants. *Tropical medicine and infectious disease*, 9(3), 59. <https://doi.org/10.3390/tropicalmed9030059>
158. Zini, T., Corso, L., Mazzi, C., Baraldi, C., Nieddu, E., Rinaldi, L., Miselli, F., Bedetti, L., Spaggiari, E., Rossi, K., **Berardi, A.**, Lugli, L., & On Behalf Of The Cvc Study Group (2024). Ultrasound-Guided Centrally Inserted Central Catheter (CICC) Placement in Newborns: A Safe Clinical Training Program in a Neonatal Intensive Care Unit. *Children (Basel, Switzerland)*, 11(4), 395. <https://doi.org/10.3390/children11040395>
159. Miselli, F., Guidotti, I., Di Martino, M., Bedetti, L., Minotti, C., Spaggiari, E., Malmusi, G., Lugli, L., Corso, L., & **Berardi, A.** (2024). Cranial ultrasound in preterm infants  $\leq 32$  weeks gestation—novel insights from the use of very high-frequency (18-5 MHz) transducers: a case series. *European journal of pediatrics*, 183(8), 3589–3598. <https://doi.org/10.1007/s00431-024-05627-y>
160. Creti, R., Imperi, M., Khan, U. B., **Berardi, A.**, Recchia, S., Alfarone, G., & Gherardi, G. (2024). Emergence of High-Level Gentamicin Resistance in *Streptococcus agalactiae* Hypervirulent Serotype IV ST1010 (CC452) Strains by Acquisition of a Novel Integrative and Conjugative Element. *Antibiotics (Basel, Switzerland)*, 13(6), 491. <https://doi.org/10.3390/antibiotics13060491>
161. Filice, R., Miselli, F., Guidotti, I., Lugli, L., Palazzi, G., **Berardi, A.**, & Iughetti, L. (2024). Identifying skull fractures after head trauma in infants with ultrasonography: is that possible?. *Journal of ultrasound*, 10.1007/s40477-024-00907-7. Advance online publication. <https://doi.org/10.1007/s40477-024-00907-7>
162. Miselli, F., Lugli, L., Bedetti, L., Mazzotti, S., Buttera, M., & **Berardi, A.** (2024). Timing and adequacy of intrapartum antibiotic prophylaxis: new insights for future guidelines. *Archives of disease in childhood. Fetal and neonatal edition, fetalneonatal-2024-327432*. Advance online publication. <https://doi.org/10.1136/archdischild-2024-327432>
163. Chesi, E., Rossi, K., Ancora, G., Baraldi, C., Corradi, M., Di Dio, F., Di Fazio, G., Galletti, S., Mescoli, G., Papa, I., Solinas, A., Braglia, L., Di Caprio, A., Cuoghi Costantini, R., Miselli, F., **Berardi, A.**, & Gargano, G. (2024). Patent ductus arteriosus (also non-hemodynamically significant) correlates with poor outcomes in very low birth weight infants. A multicenter cohort study. *PloS one*, 19(7), e0306769. <https://doi.org/10.1371/journal.pone.0306769>
164. Bertocelli, N., Corso, L., Bedetti, L., Della Casa, E. M., Roversi, M. F., Toni, G., Pugliese, M., Guidotti, I., Miselli, F., Lucaccioni, L., Rossi, C., **Berardi, A.**, & Lugli, L. (2024). The Motor Optimality Score-Revised Improves Early Detection of Unilateral Cerebral Palsy in Infants with

- Perinatal Cerebral Stroke. *Children* (Basel, Switzerland), 11(8), 940.  
<https://doi.org/10.3390/children11080940>
165. Dimopoulou, V., Klingenberg, C., Navér, L., Nordberg, V., **Berardi, A.**, El Helou, S., Fusch, G., Bliss, J. M., Lehnick, D., Guerina, N., Seliga-Siwecka, J., Maton, P., Lagae, D., Mari, J., Janota, J., Agyeman, P. K. A., Pfister, R., Latorre, G., Maffei, G., Laforgia, N., ... AENEAS Study Group (2024). Antibiotic exposure for culture-negative early-onset sepsis in late-preterm and term newborns: an international study. *Pediatric research*, 10.1038/s41390-024-03532-6. Advance online publication. <https://doi.org/10.1038/s41390-024-03532-6>
  166. Gallini, F., De Rose, D. U., Iuliano, R., Romeo, D. M., Tana, M., Paladini, A., Fusco, F. P., Nobile, S., Cota, F., Tirone, C., Aurilia, C., Lio, A., Esposito, A., Costa, S., D'Andrea, V., Ventura, M. L., Carnielli, V., Dani, C., Mosca, F., Fumagalli, M., ... Casati, A. (2024). Lung Recruitment Before Surfactant Administration in Extremely Preterm Neonates: 2-Year Follow-Up of a Randomized Clinical Trial. *JAMA network open*, 7(9), e2435347.  
<https://doi.org/10.1001/jamanetworkopen.2024.35347>
  167. Tzialla C, **Berardi A**, Mondì V, On Behalf Of The Study Group Of Neonatal Infectious Diseases. Outbreaks in the Neonatal Intensive Care Unit: Description and Management. *Trop Med Infect Dis*. 2024 Sep 12;9(9):212. doi: 10.3390/tropicalmed9090212. PMID: 39330901; PMCID: PMC11435871.
  168. Buttera M, Corso L, Casadei L, Valenza C, Sforza F, Candia F, Miselli F, Baraldi C, Lugli L, **Berardi A**, Iughetti L. Can a Shorter Dwell Time Reduce Infective Complications Associated with the Use of Umbilical Catheters? *Antibiotics* (Basel). 2024 Oct 18;13(10):988. doi: 10.3390/antibiotics13100988. PMID: 39452254.
  169. Lugli L, Rossi C, **Berardi A**, Pugliese M, Ceccarelli PL, Sileo FG, Chiossi G, Contu G, Calabrese O, La Marca A, Bertucci E. Prenatal multidisciplinary counseling for fetal congenital anomalies: A narrative review. *Int J Gynaecol Obstet*. 2024 Dec 11. doi: 10.1002/ijgo.16068. Epub ahead of print. PMID: 39660910.
  170. Lohrmann, F., Efstratiou, A., Sørensen, U. B. S., Creti, R., Decheva, A., Křížová, P., Kozáková, J., Rodriguez-Granger, J., De La Rosa Fraile, M., Margarit, I., Rinaudo, D., Maione, D., Telford, J., Orefici, G., Kilian, M., Afshar, B., Melin, P., Berner, R., Hufnagel, M., Kunze, M., ... DEVANI Study Group (2024). Maternal *Streptococcus agalactiae* colonization in Europe: data from the multi-center DEVANI study. *Infection*, 10.1007/s15010-024-02380-0. Advance online publication. <https://doi.org/10.1007/s15010-024-02380-0>
  171. Vento, G., Paladini, A., Aurilia, C., Ozdemir, S. A., Carnielli, V. P., Cools, F., Costa, S., Cota, F., Dani, C., Davis, P. G., Fattore, S., Fè, C., Finer, N., Fusco, F. P., Gizzi, C., Herting, E., Jian, M., Lio, A., Lista, G., Mosca, F., ... Zannin, E. (2024). Comparison of "IN-REC-SUR-E" and LISA in preterm neonates with respiratory distress syndrome: a randomized controlled trial (IN-REC-LISA trial). *Trials*, 25(1), 433. <https://doi.org/10.1186/s13063-024-08240-4>
  172. Lohrmann, F., Hufnagel, M., Kunze, M., Afshar, B., Creti, R., Detcheva, A., Kozakova, J., Rodriguez-Granger, J., Sørensen, U. B. S., Margarit, I., Maione, D., Rinaudo, D., Orefici, G., Telford, J., de la Rosa Fraile, M., Kilian, M., Efstratiou, A., Berner, R., Melin, P., & DEVANI Study Group (2023). Neonatal invasive disease caused by *Streptococcus agalactiae* in Europe: the DEVANI multi-center study. *Infection*, 51(4), 981–991. <https://doi.org/10.1007/s15010-022-01965-x>
  173. Miselli F, Costantini RC, Maugeri M, Deonette E, Mazzotti S, Bedetti L, Lugli L, Rossi K, Roversi MF, Berardi A. Outcome prediction for late-onset sepsis after premature birth. *Pediatr Res*. 2025 Jan 17. doi: 10.1038/s41390-025-03814-7. Online ahead of print. PMID: 39824936
  174. Hospitalizations for bronchiolitis among infants before and after the SARS-CoV-2 pandemic: an area-based study of the Emilia-Romagna Region, Italy. Ballardini E, Manfrini M, Fattori S, Pellacani E, Ćosić B, Gargano G, Berardi A. *Ital J Pediatr*. 2025 Feb 7;51(1):34. doi: 10.1186/s13052-025-01871-6. PMID: 39920754 Free PMC article.
  175. Bertonecelli N, Buttera M, Nieddu E, Berardi A, Lugli L. The Experience of Caring for a Medically Complex Child in the Neonatal Intensive Care Unit: A Qualitative Study of Parental Impact. *Children* (Basel). 2025 Jan 23;12(2):123. doi: 10.3390/children12020123. PMID: 40003225 Free PMC article.

176. Miselli F, Boncompagni A, Cuoghi Costantini R, Zini T, Bedetti L, Buttera M, Corso L, Creti R, Guidotti I, Rossi C, Spaggiari E, Lugli L, Berardi A. Recurrence of group B streptococcal infections in infants: a systematic review. *Expert Rev Anti Infect Ther*. 2025 May;23(5):305-314. doi: 10.1080/14787210.2025.2474569. Epub 2025 Mar 10. PMID: 40057829
177. Ferrari F, Bondi C, Lugli L, Bedetti L, Guidotti I, Banchelli F, Lucaccioni L, Berardi A. The Dammiss EEG Score: A New System to Quantify EEG Abnormalities and Predict the Outcome in Asphyxiated Newborns. *J Clin Med*. 2025 Mar 12;14(6):1920. doi: 10.3390/jcm14061920. PMID: 40142728 Free PMC article.
178. Capone V, Buttera M, Miselli F, Truocchio S, Iaccheri M, Auriti C, Creti R, Baroni L, Bedetti L, Benenati B, Biasucci G, Bua J, Decembrino L, Di Luca L, Fanaro S, Foglianese A, Gambini L, Laforgia N, Latorre G, Loprieno S, Maffei G, Marrozzini L, Nanni F, Nicolini G, Papa I, Perrone B, Piccinini G, Pulvirenti MR, Ronchetti MP, Rosati E, Santori D, Scapillati ME, Scarponi D, Spinedi S, Chryssoula T, Vocale C, Lugli L, Berardi A. *Antibiotics (Basel)*. 2025 Apr 16;14(4):410. doi: 10.3390/antibiotics14040410. PMID: 40298582 Free PMC article.
179. Filippa M, Filippa G, Della Casa E, Berardi A, Picciolini O, Meloni SC, Lunardi C, Cecchi A, Sansavini A, Corvaglia L, Grandjean D; EVC Group; Ferrari F. Maternal singing and speech have beneficial effects on preterm infant's general movements at term equivalent age and at 3 months: an RCT. *Front Psychol*. 2025 Jan 29;16:1536646. doi: 10.3389/fpsyg.2025.1536646. eCollection 2025. PMID: 39944047 Free PMC article.
180. Bedetti L, Lugli L, Guidotti I, Roversi MF, Muttini EDC, Pugliese M, Bertocelli N, Spaggiari E, Todeschini A, Ancora G, Grandi S, Gargano G, Gallo C, Motta M, Catenazzi P, Corvaglia LT, Paoletti V, Solinas A, Ballardini E, Perrone S, Moretti S, Stella M, Berardi A, Ferrari F. Real-World Therapeutic Hypothermia for Neonatal HIE: Neurodevelopmental Outcomes and Predictors. *Acta Paediatr*. 2025 Jun 18. doi: 10.1111/apa.70186. Online ahead of print. PMID: 4053388
181. Creti R, Imperi M, Gherardi G, Alfarone G, Marani I, Vocale C, Berardi A, Truocchio S, Miselli F. Group B Streptococcus (GBS) Carriage in Pregnant Women: Possible Emergence of Rare Serotypes and Antibiotic Resistance in Neonatal Disease. *Microorganisms*. 2025 Jun 26;13(7):1496. doi: 10.3390/microorganisms13071496. PMID: 40732006 Free PMC article.
182. Lucaccioni L, Pietrella E, Malmusi G, Cinelli G, Candia F, Lugli L, Madeo SF, Bruzzi P, Trevisani V, Predieri B, Berardi A, Iughetti L. The burden of extra uterine growth restriction on postnatal growth in very low birth weight preterm newborns. *BMC Pediatr*. 2025 Nov 26;25(1):965. doi: 10.1186/s12887-025-06326-9. PMID: 41299332; PMCID: PMC12659225.
183. Insalaco A, Bertocelli N, Bedetti L, Cosimo AC, Boncompagni A, Cipolli F, Berardi A, Lugli L. Together TO-CARE: A Novel Tool for Measuring Caregiver Involvement and Parental Relational Engagement. *Children (Basel)*. 2025 Jul 31;12(8):1007. doi: 10.3390/children12081007. PMID: 40868459; PMCID: PMC12384507.
184. Dona D, Barbieri E, Brigadoi G, Barchitta M, Berardi A, Bosis S, Buchini S, Buonsenso D, Cagliero A, Campana BR, Capello F, Carrozzo R, Castagnola E, Cazzato S, Cesaro S, Chiappini E, Colomba C, Comar M, De Alessandri A, De Luca M, Esposito B, Filograna MR, Franceschi A, Galli L, Garazzino S, Gemmi F, Gres E, Lancella L, Liberati C, Lo Vecchio A, Lo Giudice M, Marseglia G, Martelli G, Mengato D, Mercadante S, Meschiari M, Miraglia Del Giudice M, Montagnani C, Muggeo P, Nicolini G, Nobili S, Pea F, Pedrotti D, Reggiani L, Sambri V, Sanguinetti M, Santiloni A, Silvani MC, Vatiro L, Zama D, Zampogna S, Zanai R, Esposito S. Pediatric stewardship in Italy: a necessity, not an option - a National Multi-Society Expert Consensus on Antimicrobial and Diagnostic Stewardship (SIP, SITIP, SIMRI, SIAIP, SIMEUP, SIPPS, SICUPP, SIMIT, SIMPE, SIPINF, SIT, SIAATIP, SARNEPI, AIEOP, SIM, SITI, SIF, SIFACT, SITA, SIN). *Ital J Pediatr*. 2025 Oct 9;51(1):283. doi: 10.1186/s13052-025-02112-6. PMID: 41068927; PMCID: PMC12512260.
185. Lugli L, Bedetti L, Pugliese M, Guidotti I, Ancora G, Gargano G, Perrone S, Solinas A, Motta M, Corvaglia LT, Sansavini A, Stella M, Cuoghi Costantini R, DiCaprio A, Della Casa Muttini E, Roversi MF, Bertocelli N, Catenazzi P, Ballardini E, Grandi S, Moretti S, Turolì D, Aceti A, Braibanti S, Insalaco A, Migliozi C, Fumagalli M, Ferrari F, Berardi A. Mortality and Neurodevelopmental Outcome in an Italian Cohort of Very Low Birth Weight Infants. *Acta*

Paediatr. 2026 Jan;115(1):153-165. doi: 10.1111/apa.70292. Epub 2025 Aug 27. PMID: 40864163; PMCID: PMC12687702.

186. Insalaco A, Rossi C, Bertucci E, Fiorentini C, Soresina A, Giliani S, Porta F, Berardi A, Lugli L. Neonatal erythroderma and immunodysplasia: Overlap of cartilage-hair hypoplasia and Omenn syndrome. Eur J Med Genet. 2026 Jan 28;80:105069. doi: 10.1016/j.ejmg.2026.105069. Epub ahead of print. PMID: 41616907.

**Modena, February 9<sup>th</sup>, 2026**

**Alberto Berardi**