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Forskning

My scientific area of interest is neonatology, with a special focus on brain development and impairment following preterm birth.

My past and current research activity can be summarized in four parts:

I started to do research in neonatology in 1999 (I became MD in 2000) in Genoa (Italy). In the first years I focused on the use of brain damage markers in the perinatal period for a better diagnosis and prognosis. Together with a qualified research team, we succeeded to validate the assessment of a protein (S100B protein) in multiple matrices, including measurements before birth (amniotic fluid and maternal blood), at birth (cord blood and newborn's blood), in the first days of life (blood, urine, saliva, and, in the mother's colostrum and milk). We succeeded in our aim to provide reference values in both physiological and pathological conditions in the newborn, including prematurity, intra-uterine growth restriction, asphyxia and intracranial bleeding. I actively took part of multiple parts of these investigations, being the person quantifying biomarkers levels in the lab with different techniques, participating to study designing, contributing in manuscript writing. In a couple of studies, we reported S100B concentrations in pre-adolescents and in adults conducting sport activity.

In 2003 I moved to Netherlands (University of Maastricht) to do my PhD on brain development and S100B protein in an animal model. This allowed me to improve my knowledge and skills on basic science (including immunohistochemistry and behavioral testing), and to correlate pre-clinical with clinical data. The research question was what are the effects of prenatal steroids on brain development, including short- and long- term assessment, from birth to adulthood in the offspring of the rat. In addition, we reported that a lower dose of betamethasone was associated with milder side-effects. I've been the Principal Investigator in this group of studies, thus performing animal experiments and taking care of data analysis and reporting.

Between 2009 and 2014 I moved back to Genoa, where I got a permanent position as senior consultant in neonatology. Here I dedicated myself to learn about how to conduct clinical trials, systematic reviews & meta-analysis, guidelines (according to GRADE). This 5-year period has been pretty intense and has led, beginning from 2014, to a rewarding

scientific output, mainly in Cochrane reviews in neonatal medicine. My collaboration with Cochrane is not limited to “standard” systematic reviews, but it includes three ongoing Overviews of Cochrane reviews. This constitutes a new field in neonatology, as only one of this Overview has been published so far in neonatology. Moreover, I published a couple of studies on the clinical use of micro-methods in the newborn.

Since February 2015 I live and work in Lund. I currently work 50% as “överläkare” in the neonatal intensive care unit of Lund/Malmö, and 50% as a researcher. In the period 2017-19, my 50% research time will be covered by “ALFyngre-medel”. The only reason that led me to leave Italy and move to Sweden has been the attractive opportunity to join Professor David Ley, with the great possibility to take part to both animal and clinical studies in a motivated and well-equipped research environment. In agreement and with the support of Professor David Ley, I could become involved in the experiments in the preterm rabbit which have been successfully conducted for several years. In addition, I have been allowed to develop new research lines, e.g. the use of (high-resolution) brain magnetic resonance imaging and innovative behavioral tests in the rabbit (manuscript in preparation). During 2016 I could run multiple research sessions in the preterm rabbit, and we succeeded to achieve caffeine blood concentrations comparable to the human newborn (manuscript in preparation, in collaboration with the University of Uppsala). Finally, I promoted the establishment of a collaboration between the Universities of Lund and of Genoa in order to collect human blood sample to validate micro-methods in neonatology. Samples recruitment has started one year ago in both centers (unpublished data).

!!Employments

Docent

Pediatrik, Lund
Lunds universitet
Lund, Sverige
2015 sep. 21 → present

Forskningsprojektdeltagare

Neonatalogi
Lunds universitet
Lund, Sverige
2016 aug. 11 → present

!!Research output

Value of preclinical systematic reviews and meta-analyses in pediatric research

Romantsik, O., Bank, M., Menon, J. M. L., Malhotra, A. & Bruschetti, M., 2024 apr. 13, (E-pub ahead of print) I: Pediatric Research. s. 1-11

Workplace interventions to reduce the risk of SARS-CoV-2 infection outside of healthcare settings

Constantin, A. M., Noertjojo, K., Sommer, I., Pizarro, A. B., Persad, E., Durao, S., Nussbaumer-Streit, B., McElvenny, D. M., Rhodes, S., Martin, C., Sampson, O., Jørgensen, K. J. & Bruschetti, M., 2024 apr. 10, I: Cochrane Database of Systematic Reviews. 2024, 4, CD015112.

Inhaled bronchodilators for the prevention and treatment of chronic lung disease in preterm infants

Ng, G., Bruschetti, M., Ibrahim, J. & da Silva, O., 2024 apr. 9, I: Cochrane Database of Systematic Reviews. 2024, 4, CD003214.

Teaching evidence-based medicine by using a systematic review framework: implementation in a Swedish university setting

Björklund, M., Ringsten, M., Bruschetti, M. & Garwicz, M., 2024, (E-pub ahead of print) I: BMJ Evidence-Based Medicine. 23112607.

Methylxanthine for preventing morbidity and mortality in preterm infants: a network meta-analysis

Kinoshita, M., Del Giovane, C., Mitra, S., Hall, R., Soll, R. & Bruschettini, M., 2023 dec. 18, I: Cochrane Database of Systematic Reviews. 2023, 12, CD015058.

Association between human chorionic gonadotropin (hCG) levels and adverse pregnancy outcomes: A systematic review and meta-analysis

Skogler, J., Moberg, T., Tancredi, L., Styrnisdóttir, L., Hedayati, E., Alarcon-Ruiz, C. A., Khamis, A., Persad, E., Iskandarani, G., Hansson, S. R. & Bruschettini, M., 2023 dec., I: Pregnancy Hypertension. 34, s. 124-137 14 s.

Diclofenac for acute postoperative pain in children

Ringsten, M., Kredo, T., Ebrahim, S., Hohlfeld, A. & Bruschettini, M., 2023 dec., I: Cochrane Database of Systematic Reviews. 2023, 12, CD015087.

Decongestants and antihistamines for acute otitis media in children

Brattström, P., Moresco, L., Nussbaumer-Streit, B., Bruschettini, M. & Gisselsson-Solen, M., 2023 nov. 28, I: Cochrane Database of Systematic Reviews. 2023, 11, CD015839.

Stem cell-based interventions for the treatment of stroke in newborn infants

Bruschettini, M., Badura, A. & Romantsik, O., 2023 nov. 23, I: The Cochrane database of systematic reviews. 11, CD015582.

AMSTAR 2 is only partially applicable to systematic reviews of non-intervention studies: a meta-research study

Puljak, L., Bala, M. M., Mathes, T., Poklepovic Pericic, T., Wegewitz, U., Faggion, C. M., Matthias, K., Storman, D., Zajac, J., Rombey, T., Bruschettini, M. & Pieper, D., 2023 nov., I: Journal of Clinical Epidemiology. 163, s. 11-20 10 s.

Methylxanthine for the prevention and treatment of apnea in preterm infants

Marques, K. A., Bruschettini, M., Roehr, C. C., Davis, P. G., Fiander, M. & Soll, R., 2023 okt. 31, I: The Cochrane database of systematic reviews. 10, 10, CD013830.

Surfactant therapy guided by tests for lung maturity in preterm infants at risk of respiratory distress syndrome

Sibrecht, G., Kearl, C. R., Borys, F., Morariu, M., Bruschettini, M. & Soll, R., 2023 okt. 26, I: Cochrane Database of Systematic Reviews. 2023, 10, CD013158.

Superoxide dismutase for bronchopulmonary dysplasia in preterm infants

Albertella, M., Gentyala, R. R., Paraskevas, T., Ehret, D., Bruschettini, M. & Soll, R., 2023 okt. 9, I: Cochrane Database of Systematic Reviews. 2023, 10, CD013232.

Acupuncture for procedural pain in newborn infants

Cabano, R., Soll, G., Al-Abdallat, H., Hamamreh, R., Oei, J. L., Schmölder, G. M. & Bruschettini, M., 2023 okt., I: Cochrane Database of Systematic Reviews. 2023, 10, CD015894.

Doxapram for the prevention and treatment of apnea in preterm infants

Evans, S., Avdic, E., Pessano, S., Fiander, M., Soll, R. & Bruschettini, M., 2023 okt., I: Cochrane Database of Systematic Reviews. 2023, 10, CD014145.

Improving rates of successful extubation: Medications

Bruschettini, M., 2023 okt., I: Seminars in Fetal and Neonatal Medicine. 28, 5, 101490.

Positioning for lumbar puncture in newborn infants

Pessano, S., Bruschettini, M., Prescott, M. G. & Romantsik, O., 2023 okt., I: The Cochrane database of systematic reviews. 10, s. CD015592

Pharmacological interventions for the management of pain and discomfort during lumbar puncture in newborn infants
Pessano, S., Romantsik, O., Olsson, E., Hedayati, E. & Bruschetti, M., 2023 sep., I: Cochrane Database of Systematic Reviews. 2023, 9, CD015594.

Early versus late discontinuation of caffeine administration in preterm infants
Urru, S. A. M. & Bruschetti, M., 2023 aug. 31, I: Cochrane Database of Systematic Reviews. 2023, 8, CD015802.

Acupuncture for neonatal abstinence syndrome in newborn infants
Urlesberger, B., Cabano, R., Soll, G., Pahl, A., Oei, J. L., Schmölzer, G. M., Raith, W. & Bruschetti, M., 2023 aug. 22, I: Cochrane Database of Systematic Reviews. 2023, 8, CD014160.

Opioids for procedural pain in neonates
Kinoshita, M., Olsson, E., Borys, F. & Bruschetti, M., 2023 apr. 5, I: Cochrane Database of Systematic Reviews. 2023, 4, CD015056.

Non-opioid analgesics for procedural pain in neonates
Persad, E., Pizarro, A. B. & Bruschetti, M., 2023 apr. 4, I: Cochrane Database of Systematic Reviews. 2023, 4, CD015179.

Postnatal phenobarbital for the prevention of intraventricular haemorrhage in preterm infants
Romantsik, O., Smit, E., Odd, D. E. & Bruschetti, M., 2023 mars 16, I: Cochrane Database of Systematic Reviews. 2023, 3, CD001691.

Stem cell-based interventions for the prevention and treatment of intraventricular haemorrhage and encephalopathy of prematurity in preterm infants
Romantsik, O., Moreira, A., Thébaud, B., Ådén, U., Ley, D. & Bruschetti, M., 2023 feb., I: Cochrane Database of Systematic Reviews. 2023, 2, CD013201.

Stem cell-based interventions for the treatment of stroke in newborn infants
Bruschetti, M., Badura, A. & Romantsik, O., 2023 feb., I: Cochrane Database of Systematic Reviews. 2023, 2, CD015582.

Positioning for lumbar puncture in newborn infants
Pessano, S., Bruschetti, M. & Romantsik, O., 2023 jan. 18, I: Cochrane Database of Systematic Reviews. 2023, 1, CD015592.

Systemic opioid regimens for postoperative pain in neonates
Kinoshita, M., Borges do Nascimento, I. J., Styrismisdóttir, L. & Bruschetti, M., 2023 jan. 16, I: Cochrane Database of Systematic Reviews. 2023, 1, CD015016.

Interventions for the Management of Pain and Sedation in Newborns Undergoing Therapeutic Hypothermia for Hypoxic-Ischemic Encephalopathy: A Systematic Review
Bäcke, P., Bruschetti, M., Blomqvist, Y. T., Sibrecht, G. & Olsson, E., 2023 jan., I: Pediatric Drugs. 25, 1, s. 27-41 15 s.

Caffeine versus other methylxanthines for the prevention and treatment of apnea in preterm infants
Moresco, L., Marques, K. A., Ardiles-Ruesjas, S., Soll, R. & Bruschetti, M., 2023, I: Cochrane Database of Systematic Reviews. 2023, 3, CD015462.

Cooling strategies during neonatal transport for hypoxic-ischaemic encephalopathy
Sibrecht, G., Borys, F., Campone, C., Bellini, C., Davis, P. & Bruschetti, M., 2023, I: Acta Paediatrica, International Journal of Paediatrics. 112, 4, s. 587-602

Många källor till problem i systematiska översikter
Bruschetti, M., Axelsson, I. & Karsten Juhl Jørgensen, K., 2023, I: Lakartidningen. 120

Placenta-associated adverse pregnancy outcomes in women experiencing mild or severe hyperemesis gravidarum – a systematic review and meta-analysis

Moberg, T., Van der Veecken, L., Persad, E., Hansson, S. R. & Bruschetti, M., 2023, I: BMC Pregnancy and Childbirth. 23, 1, 375.

Pharmacological interventions for the management of pain and discomfort during lumbar puncture in newborn infants

Pessano, S., Romantsik, O., Hedayati, E., Olsson, E. & Bruschetti, M., 2022 dec. 14, I: Cochrane Database of Systematic Reviews. 2022, 12, CD015594.

Interventions for the management of Pain and Sedation in Newborns undergoing Therapeutic hypothermia for hypoxic-ischemic encephalopathy (IPSNUT): protocol of a systematic review

Bäcke, P., Bruschetti, M., Blomqvist, Y. T. & Olsson, E., 2022 dec., I: Systematic Reviews. 11, 1, 101.

Ibuprofen for acute postoperative pain in children

Pessano, S., Kredo, T., Bruschetti, M. & Gloeck, N. R., 2022 sep. 28, I: Cochrane Database of Systematic Reviews. 2022, 9, CD015432.

Non-opioid analgesics for procedural pain in neonates

Persad, E., Pizarro, A. B., Alarcon-Ruiz, C. & Bruschetti, M., 2022 juli 14, I: Cochrane Database of Systematic Reviews. 2022, 7, CD015179.

Development and Validation of a Mortality Prediction Model in Extremely Low Gestational Age Neonates

Moreira, A., Benvenuto, D., Fox-Good, C., Alayli, Y., Evans, M., Jonsson, B., Hakansson, S., Harper, N., Kim, J., Norman, M. & Bruschetti, M., 2022 juli 1, I: Neonatology. 119, 4, s. 418-427 10 s.

Workplace interventions to reduce the risk of SARS-CoV-2 infection outside of healthcare settings

Pizarro, A. B., Persad, E., Durao, S., Nussbaumer-Streit, B., Engela-Volker, J. S., McElvenny, D., Rhodes, S., Stocking, K., Fletcher, T., Martin, C., Noertjojo, K., Sampson, O., Verbeek, J. H., Jørgensen, K. J. & Bruschetti, M., 2022 maj, I: Cochrane Database of Systematic Reviews. 2022, 5, CD015112.

Diclofenac for acute postoperative pain in children

Ringsten, M., Kredo, T., Hohlfeld, A. & Bruschetti, M., 2022 apr. 8, I: Cochrane Database of Systematic Reviews. 2022, 4, CD015087.

Clinical rating scales for assessing pain in newborn infants

Bruschetti, M., Olsson, E., Persad, E., Garratt, A. & Soll, R., 2022 mars 18, I: Cochrane Database of Systematic Reviews. 2022, 3, MR000064.

Interventions for the management of transient tachypnoea of the newborn - an overview of systematic reviews

Bruschetti, M., Hassan, K. O., Romantsik, O., Banzi, R., Calevo, M. G. & Moresco, L., 2022 feb. 24, I: Cochrane Database of Systematic Reviews. 2022, 2, CD013563.

Cuffed versus uncuffed endotracheal tubes for neonates

Dariya, V., Moresco, L., Bruschetti, M. & Brion, L. P., 2022 jan., I: Cochrane Database of Systematic Reviews. 2022, 1, CD013736.

Neurodevelopmental outcomes in children with isolated congenital diaphragmatic hernia: A systematic review and meta-analysis

Van der Veecken, L., Vergote, S., Kunpalin, Y., Kristensen, K., Deprest, J. & Bruschetti, M., 2022, I: Prenatal Diagnosis. 42, 3, s. 318-329

Pharmacological interventions for pain and sedation management in newborn infants undergoing therapeutic hypothermia

Bäcke, P., Bruschetti, M., Sibrecht, G., Thernström Blomqvist, Y. & Olsson, E., 2022, I: Cochrane Database of Systematic Reviews. 2022, 11, CD015023.

Severe intraventricular hemorrhage causes long-lasting structural damage in a preterm rabbit pup model

Romantsik, O., Ross-Munro, E., Grönlund, S., Holmqvist, B., Brinte, A., Gerdtsen, E., Vallius, S., Bruschetti, M., Wang, X., Fleiss, B. & Ley, D., 2022, I: *Pediatric Research*. 92, 2, s. 403-414

The effects of caffeine following hypoxic-ischemic encephalopathy: A systematic review of animal studies

Bruschetti, M., Moreira, A., Pizarro, A. B., Mustafa, S. & Romantsik, O., 2022, I: *Brain Research*. 1790, 147990.

Continuous glucose monitoring for the prevention of morbidity and mortality in preterm infants

Galderisi, A., Trevisanuto, D., Russo, C., Hall, R. & Bruschetti, M., 2021 dec. 21, I: *Cochrane Database of Systematic Reviews*. 2021, 12, CD013309.

Systemic opioid regimens for postoperative pain in neonates

Kinoshita, M., Borges do Nascimento, I. J., Bruschetti, M. & Styrismisdóttir, L., 2021 maj 1, I: *Cochrane Database of Systematic Reviews*. 2021, 5, CD015016.

Systemic opioids versus other analgesics and sedatives for postoperative pain in neonates

Kinoshita, M., Stempel, K. S., Borges do Nascimento, I. J. & Bruschetti, M., 2021 maj 1, I: *Cochrane Database of Systematic Reviews*. 2021, 5, CD014876.

Salbutamol for transient tachypnea of the newborn

Moresco, L., Bruschetti, M., Macchi, M. & Calevo, M. G., 2021 feb. 5, I: *The Cochrane database of systematic reviews*. 2, s. CD011878

The use and reporting of neonatal pain scales: a systematic review of randomized trials

Olsson, E., Ahl, H., Bengtsson, K., Vejayaram, D. N., Norman, E., Bruschetti, M. & Eriksson, M., 2021 feb. 1, I: *Pain*. 162, 2, s. 353-360 8 s.

Addressing harms of screening – A review of outcomes in Cochrane reviews and suggestions for next steps

Johansson, M., Borys, F., Peterson, H., Bilamour, G., Bruschetti, M. & Jørgensen, K. J., 2021, I: *Journal of Clinical Epidemiology*. 129, s. 68-73 6 s.

Antileukotrienes for the prevention and treatment of chronic lung disease in very preterm newborns: a systematic review

Jukema, M., Borys, F., Sibrecht, G., Jørgensen, K. J. & Bruschetti, M., 2021, I: *Respiratory Research*. 22, 1, 208.

Caffeine dosing regimens in preterm infants with or at risk for apnea of prematurity

Bruschetti, M., Brattström, P., Russo, C., Onland, W., Davis, P. G. & Soll, R., 2021, I: *Cochrane Database of Systematic Reviews*. 2021, 2, CD013873.

Fluid restriction in the management of transient tachypnea of the newborn

Gupta, N., Bruschetti, M. & Chawla, D., 2021, I: *Cochrane Database of Systematic Reviews*. 2021, 2, CD011466.

Interventions to minimize blood loss in very preterm infants - A systematic review and meta-analysis

Persad, E., Sibrecht, G., Ringsten, M., Karlelid, S., Romantsik, O., Ulinder, T., Do Nascimento, I. J. B., Bjorklund, M., Arno, A. & Bruschetti, M., 2021, I: *PLoS ONE*. 16, 2 February, e0246353.

Methylxanthine for the prevention and treatment of apnea in preterm infants [Protocol]

Marques, K., Roehr, C. C., Bruschetti, M., Davis, P. G. & Soll, R., 2021, I: *Cochrane Database of Systematic Reviews*. 2020, 12, CD013830.

Opioids for newborn infants receiving mechanical ventilation

Bellù, R., Romantsik, O., Nava, C., de Waal, K. A., Zanini, R. & Bruschetti, M., 2021, I: *Cochrane Database of Systematic Reviews*. 2021, 3, CD013732.

Pharmacological interventions for pain and sedation management in newborn infants undergoing therapeutic hypothermia
Bäcke, P., Bruschetti, M., Sibrecht, G., Thernström Blomqvist, Y. & Olsson, E., 2021, I: Cochrane Database of Systematic Reviews. 2021, 7, CD015023.

Workplace interventions to reduce the risk of SARS-CoV-2 infection outside of healthcare settings

Pizarro, A. B., Persad, E., Durao, S., Nussbaumer-Streit, B., Garrity, C., Engela-Volker, J. S., McElvenny, D., Rhodes, S., Stocking, K., Fletcher, T., Van Tongeren, M., Martin, C., Noertjojo, K., Sampson, O., Jørgensen, K. J. & Bruschetti, M., 2021, I: Cochrane Database of Systematic Reviews. 2021, 9, CD015112.

Continuous glucose monitoring for the prevention of morbidity and mortality in preterm infants

Galderisi, A., Bruschetti, M., Russo, C., Hall, R. & Trevisanuto, D., 2020 dec. 21, I: The Cochrane database of systematic reviews. 12, CD013309.

Pharmacological treatment for continuous spike-wave during slow wave sleep syndrome and Landau-Kleffner Syndrome

Moresco, L., Bruschetti, M., Calevo, M. G. & Siri, L., 2020 nov. 6, I: The Cochrane database of systematic reviews. 11, CD013132.

Confounding biases in studies on early- versus late-caffeine in preterm infants: a systematic review

Nylander Vujovic, S., Nava, C., Johansson, M. & Bruschetti, M., 2020 sep., I: Pediatric Research. 88, 3, s. 357-364 8 s.

Tumor necrosis factor (TNF) inhibitors for the treatment of psoriatic arthritis

Cagnotto, G., Compagno, M., Scire, C. A. & Bruschetti, M., 2020 maj 18, I: Cochrane Database of Systematic Reviews. 2020, 5, CD013614.

Long-term neurological effects of neonatal caffeine treatment in a rabbit model of preterm birth

Van der Veeke, L., Grönlund, S., Gerdts, E., Holmqvist, B., Deprest, J., Ley, D. & Bruschetti, M., 2020 maj, I: Pediatric Research. 87, 6, s. 1011-1018 8 s.

Non-invasive respiratory support for the management of transient tachypnea of the newborn

Moresco, L., Romantsik, O., Calevo, M. G. & Bruschetti, M., 2020 apr. 17, I: The Cochrane database of systematic reviews. 4, CD013231.

Clonidine for pain in non-ventilated infants

Romantsik, O., Calevo, M. G., Norman, E. & Bruschetti, M., 2020 apr. 9, I: The Cochrane database of systematic reviews. 4, CD013104.

Interventions for the management of transient tachypnoea of the newborn - an overview of systematic reviews

Bruschetti, M., Hassan, K. O., Romantsik, O., Banzi, R., Calevo, M. G. & Moresco, L., 2020 mars 20, I: Cochrane Database of Systematic Reviews. 2020, 3, CD013563.

Is earlier better when it comes giving caffeine to preterm infants or are we risking unnecessary treatment and serious harm?

Johansson, M., Juhl Jørgensen, K. & Bruschetti, M., 2020 mars, I: Acta Paediatrica, International Journal of Paediatrics. 109, 3, s. 440-442 3 s.

A LC-MS/MS method for the quantification of caffeine, betamethasone, clonidine and furosemide in cerebrospinal fluid of preterm infants

Romantsik, O., Barco, S., Bruschetti, M., Tripodi, G., Ley, D. & Cangemi, G., 2020 feb. 5, I: Journal of Pharmaceutical and Biomedical Analysis. 179, 112996.

White Matter Brain Development after Exposure to Circulating Cell-Free Hemoglobin and Hyperoxia in a Rat Pup Model

Jungner, Å., Vallius Kvist, S., Romantsik, O., Bruschetti, M., Ekström, C., Bendix, I., Herz, J., Felderhoff-Mueser, U., Bibic, A., In'T Zandt, R., Gram, M. & Ley, D., 2020 feb., I: Developmental Neuroscience. 41, 3-4, s. 234-246 13 s.

Accuracy of continuous glucose monitoring in preterm infants: A systematic review and meta-analysis

Nava, C., Modiano Hedenmalm, A., Borys, F., Hooft, L., Bruschetti, M. & Jenniskens, K., 2020, I: *BMJ Open*. 10, 12, e045335.

Cuffed versus uncuffed endotracheal tubes for neonates

Dariya, V., Moresco, L., Bruschetti, M. & Brion, L. P., 2020, I: *Cochrane Database of Systematic Reviews*. 2020, 9, CD013736.

Head midline position for preventing the occurrence or extension of germinal matrix-intraventricular haemorrhage in preterm infants

Romantsik, O., Calevo, M. G. & Bruschetti, M., 2020, I: *Cochrane Database of Systematic Reviews*. 2020, 7, CD012362.

Opioids and alpha-2-agonists for analgesia and sedation in newborn infants: protocol of a systematic review

Kinoshita, M., Stempel, K., do Nascimento, I. J. B., Vejayaram, D. N., Norman, E. & Bruschetti, M., 2020, I: *Systematic Reviews*. 9, 1, 183.

Opioids for newborn infants receiving mechanical ventilation

Bellù, R., Romantsik, O., Nava, C., de Waal, K. A., Zanini, R. & Bruschetti, M., 2020, I: *Cochrane Database of Systematic Reviews*. 2020, 9, CD013732.

Postnatal corticosteroids for transient tachypnoea of the newborn

Bruschetti, M., Moresco, L., Calevo, M. G. & Romantsik, O., 2020, I: *The Cochrane database of systematic reviews*. 3, CD013222.

Stem cell-based interventions for the prevention of morbidity and mortality following hypoxic-ischaemic encephalopathy in newborn infants

Bruschetti, M., Romantsik, O., Moreira, A., Ley, D. & Thébaud, B., 2020, I: *Cochrane Database of Systematic Reviews*. 2020, 8, CD013202.

Sustained versus standard inflations during neonatal resuscitation to prevent mortality and improve respiratory outcomes

Bruschetti, M., O'Donnell, C. P., Davis, P. G., Morley, C. J., Moja, L. & Calevo, M. G., 2020, I: *The Cochrane database of systematic reviews*. 3, CD004953.

TNF-alpha inhibitors for juvenile idiopathic arthritis

Juhl, C. B., Cagnotto, G., Ahlström, F., Bruschetti, M., Petersson, I., Dreyer, L. & Compagno, M., 2020, I: *Cochrane Database of Systematic Reviews*. 2020, 8, CD013715.

Cochrane Sustainable Healthcare: evidence for action on too much medicine

Johansson, M., Bero, L., Bonfill, X., Bruschetti, M., Garner, S., Glenton, C., Harris, R., Jørgensen, K. J., Levinson, W., Lotfi, T., Montori, V., Meng, D. M., Schünemann, H., Vaz Carneiro, A., Woloshin, S. & Moynihan, R., 2019 dec. 6, I: *The Cochrane database of systematic reviews*. 12, ED000143.

Stem cell-based interventions for the prevention and treatment of germinal matrix-intraventricular haemorrhage in preterm infants

Romantsik, O., Bruschetti, M., Moreira, A., Thébaud, B. & Ley, D., 2019 sep. 24, I: *The Cochrane database of systematic reviews*. 9, s. CD013201

Continuous glucose monitoring for the prevention of morbidity and mortality in preterm infants

Galderisi, A., Bruschetti, M., Russo, C., Hall, R. & Trevisanuto, D., 2019 apr. 12, I: *Cochrane Database of Systematic Reviews*. 2019, 4, CD013309.

High versus low dose caffeine in preterm infants

Brattström, P., Russo, C., Ley, D. & Bruschetti, M., 2019 mars, I: *Acta Paediatrica, International Journal of Paediatrics*. 108, 3, s. 572-572 1 s.

High-versus low-dose caffeine in preterm infants: a systematic review and meta-analysis

Brattström, P., Russo, C., Ley, D. & Bruschetti, M., 2019, I: Acta Paediatrica, International Journal of Paediatrics. 108, 3, s. 401-410

Intraventricular Hemorrhage and White Matter Injury in Preclinical and Clinical Studies

Romantsik, O., Bruschetti, M. & Ley, D., 2019, I: NeoReviews. 20, 11, s. e636-e652

Needle aspiration versus intercostal tube drainage for pneumothorax in the newborn.

Bruschetti, M., Romantsik, O., Zappettini, S., O'Donnell, C. P. & Calevo, M. G., 2019, I: Cochrane Database of Systematic Reviews. 1, CD011724.

Postnatal corticosteroids for transient tachypnea of the newborn

Bruschetti, M., Moresco, L., Calevo, M. G. & Romantsik, O., 2018 dec. 8, I: Cochrane Database of Systematic Reviews. 2018, 12, CD013222.

Pharmacological treatment for Continuous spike-wave during Slow Wave Sleep and Landau-Kleffner Syndrome

Moresco, L., Bruschetti, M., Calevo, M. G. & Siri, L., 2018 sep. 17, I: Cochrane Database of Systematic Reviews. 2018, 9, CD013132.

Assessing imprecision in Cochrane systematic reviews: A comparison of GRADE and Trial Sequential Analysis

Castellini, G., Bruschetti, M., Gianola, S., Gluud, C. & Moja, L., 2018 juli 28, I: Systematic Reviews. 7, 1, 110.

Antenatal corticosteroids: a retrospective cohort study on timing, indications and neonatal outcome

Frändberg, J., Sandblom, J., Bruschetti, M., Maršál, K. & Kristensen, K., 2018 maj 1, I: Acta Obstetrica et Gynecologica Scandinavica. 97, 5, s. 591-597 7 s.

Behavioral testing and litter effects in the rabbit

Gümüş, H. G., Agyemang, A. A., Romantsik, O., Sandgren, R., Karlsson, H., Gram, M., Vallius, S., Ley, D., van den Hove, D. L. A. & Bruschetti, M., 2018, I: Behavioural Brain Research. 353, s. 236-241

Non-invasive respiratory support for the management of transient tachypnea of the newborn (Protocol)

Moresco, L., Romantsik, O., Calevo, M. G. & Bruschetti, M., 2018, I: Cochrane Database of Systematic Reviews. 2018, 12, CD013231.

Antibiotics for the management of transient tachypnea of the newborn

Moresco, L., Calevo, M. G. & Bruschetti, M., 2017 nov. 15, I: Cochrane Database of Systematic Reviews. 2017, 11, CD012872.

Head midline position for preventing the occurrence or extension of germinal matrix-intraventricular hemorrhage in preterm infants

Romantsik, O., Calevo, M. G. & Bruschetti, M., 2017 juli 20, I: Cochrane Database of Systematic Reviews. 2017, 7, CD012362.

Sustained versus standard inflations during neonatal resuscitation to prevent mortality and improve respiratory outcomes

Bruschetti, M., O'Donnell, C. P. F., Davis, P. G., Morley, C. J., Moja, L., Zappettini, S. & Calevo, M. G., 2017 juli 14, I: Cochrane Database of Systematic Reviews. 2017, 7, CD004953.

Pharmacological pain and sedation interventions for the prevention of intraventricular hemorrhage in preterm infants on assisted ventilation - an overview of systematic reviews

Romantsik, O., Bruschetti, M., Calevo, M. G., Banzi, R. & Ley, D., 2017 juni 27, I: Cochrane Database of Systematic Reviews. 2017, 6, CD012706.

Cerebellar Exposure to Cell-Free Hemoglobin Following Preterm Intraventricular Hemorrhage: Causal in Cerebellar Damage?

Agyemang, A. A., Sveinsdóttir, K., Vallius, S., SVEINSDOTTIR, SNJOLAUG., Bruschetti, M., Romantsik, O., Hellström, A., Smith, L. E. H., Ohlsson, L., Holmqvist, B., Gram, M. & Ley, D., 2017 juni 10, I: *Translational Stroke Research*. s. 1-13 13 s.

Clonidine for sedation and analgesia for neonates receiving mechanical ventilation

Romantsik, O., Calevo, M. G., Norman, E. & Bruschetti, M., 2017 maj 10, I: *Cochrane Database of Systematic Reviews*. 2017, 5, CD012468.

Cardiopulmonary bypass in the newborn: effects of circulatory cell-free hemoglobin and hyperoxia evaluated in a novel rat pup model

Jungner, Å., Vallius Kvist, S., Bruschetti, M., Romantsik, O., Gram, M. & Ley, D., 2017, I: *Intensive Care Medicine Experimental*. 5, 1, 45.

Clonidine for neonates receiving mechanical ventilation

Romantsik, O., Calevo, M. G., Norman, E. & Bruschetti, M., 2016 dec. 9, I: *Cochrane Database of Systematic Reviews*. 2016, 12, CD012468.

Heparin for the treatment of thrombosis in neonates

Romantsik, O., Bruschetti, M., Zappettini, S., Ramenghi, L. A. & Calevo, M. G., 2016 nov. 7, I: *Cochrane Database of Systematic Reviews*. 2016, 11, CD012185.

Head midline position for preventing the occurrence or extension of germinal matrix-intraventricular hemorrhage in preterm infants

Romantsik, O., Calevo, M. G. & Bruschetti, M., 2016 sep. 16, I: *Cochrane Database of Systematic Reviews*. 2016, 9, CD012362.

DBS-LC-MS/MS assay for caffeine: Validation and neonatal application

Bruschetti, M., Barco, S., Romantsik, O., Risso, F., Gennai, I., China, B., Ramenghi, L. A., Tripodi, G. & Cangemi, G., 2016 sep. 1, I: *Bioanalysis*. 8, 18, s. 1893-1902 10 s.

High presence of extracellular hemoglobin in the periventricular white matter following preterm intraventricular hemorrhage

Ley, D., Romantsik, O., Vallius, S., Sveinsdóttir, K., Sveinsdóttir, S., Agyemang, A. A., Baumgarten, M., Mörgelin, M., Lutay, N., Bruschetti, M., Holmqvist, B. & Gram, M., 2016 aug. 3, I: *Frontiers in Physiology*. 7, AUG, 330.

Epinephrine for transient tachypnea of the newborn

Moresco, L., Calevo, M. G., Baldi, F., Cohen, A. & Bruschetti, M., 2016 maj 23, I: *Cochrane Database of Systematic Reviews*. 2016, 5, CD011877.

Salbutamol for transient tachypnea of the newborn

Moresco, L., Bruschetti, M., Cohen, A., Gaiero, A. & Calevo, M. G., 2016 maj 23, I: *Cochrane Database of Systematic Reviews*. 2016, 5, CD011878.

Heparin for the prevention of intraventricular haemorrhage in preterm infants

Bruschetti, M., Romantsik, O., Zappettini, S., Banzi, R., Ramenghi, L. A. & Calevo, M. G., 2016 maj 5, I: *Cochrane Database of Systematic Reviews*. 2016, 5, CD011718.

Heparin for the treatment of thrombosis in preterm and term neonates

Romantsik, O., Bruschetti, M., Zappettini, S., Ramenghi, L. A. & Calevo, M. G., 2016 maj 5, I: *Cochrane Database of Systematic Reviews*. 2016, 5, CD012185.

Exosomes from human mesenchymal stem cells conduct aerobic metabolism in term and preterm newborn infants

Panfoli, I., Ravera, S., Podesta, M., Cossu, C., Santucci, L., Bartolucci, M., Bruschi, M., Calzia, D., Sabatini, F., Bruschetti, M., Ramenghi, L. A., Romantsik, O., Marimpetri, D., Pistoia, V., Ghiggeri, G., Frasson, F. & Candiano, G., 2016 apr., I: *FASEB Journal*.

Antithrombin for the prevention of intraventricular hemorrhage in very preterm infants

Bruschettini, M., Romantsik, O., Zappettini, S., Banzi, R., Ramenghi, L. A. & Calevo, M. G., 2016, I: Cochrane Database of Systematic Reviews. 3, CD011636.

Frequency of endotracheal suctioning for the prevention of respiratory morbidity in ventilated newborns.

Bruschettini, M., Zappettini, S., Moja, L. & Calevo, M. G., 2016, I: Cochrane Database of Systematic Reviews. 3, CD011493.

Transcutaneous carbon dioxide monitoring for the prevention of neonatal morbidity and mortality.

Bruschettini, M., Romantsik, O., Zappettini, S., Ramenghi, L. A. & Calevo, M. G., 2016, I: Cochrane Database of Systematic Reviews. 2016, 2, CD011494.

Why do premature newborn infants display elevated blood adenosine levels?

Panfoli, I., Cassanello, M., Bruschettini, M., Colella, M., Cerone, R., Ravera, S., Calzia, D., Candiano, G. & Ramenghi, L., 2016, I: Medical Hypotheses. 90, s. 53-56 4 s.

Preterm Cord Blood Contains a Higher Proportion of Immature Hematopoietic Progenitors Compared to Term Samples.

Podestà, M., Bruschettini, M., Cossu, C., Sabatini, F., Dagnino, M., Romantsik, O., Spaggiari, G. M., Ramenghi, L. A. & Frassoni, F., 2015, I: PLoS ONE. 10, 9, e0138680.

Sustained versus standard inflations during neonatal resuscitation to prevent mortality and improve respiratory outcomes.

O'Donnell, C. P., Bruschettini, M., Davis, P. G., Morley, C. J., Moja, L., Calevo, M. G. & Zappettini, S., 2015, I: Cochrane Database of Systematic Reviews. 7, 7, s. CD004953

A validated LC-MS/MS method for the quantification of piperacillin/tazobactam on dried blood spot

Barco, S., Risso, F. M., Bruschettini, M., Bandettini, R., Ramenghi, L. A., Tripodi, G., Castagnola, E. & Cangemi, G., 2014, I: Bioanalysis. 6, 21, s. 2795-2802

Oral and sublingual immunotherapy for egg allergy

Romantsik, O., Bruschettini, M., Tosca, M. A., Zappettini, S., Alberighi, O. D. C. & Calevo, M. G., 2014, I: Cochrane Database of Systematic Reviews. 11, s. CD010638

Reference values for urinary neutrophil gelatinase-associated lipocalin (NGAL) in pediatric age measured with a fully automated chemiluminescent platform

Cangemi, G., Storti, S., Cantinotti, M., Fortunato, A., Emdin, M., Bruschettini, M., Bugnone, D., Melioli, G. & Clerico, A., 2013, I: Clinical Chemistry and Laboratory Medicine. 51, 5, s. 1101-1105

Vulnerability versus resilience to prenatal stress in male and female rats; Implications from gene expression profiles in the hippocampus and frontal cortex

Van den Hove, D. L. A., Kenis, G., Brass, A., Opstelten, R., Rutten, B. P. F., Bruschettini, M., Blanco, C. E., Lesch, K. P., Steinbusch, H. W. M. & Prickaerts, J., 2013, I: European Neuropsychopharmacology. 23, 10, s. 1226-1246

Saliva S100B in professional sportsmen: High levels at resting conditions and increased after vigorous physical activity

Michetti, F., Bruschettini, M., Frigiola, A., Abella, R., Giamberti, A., Marchese, N., Mangraviti, S., Melioli, G., Baldari, A., Bruschettini, P. & Gazzolo, D., 2011, I: Clinical Biochemistry. 44, 2-3, s. 245-247

Sull'origine prenatale delle patologie dell'adulto

Bruschettini, P., Bruschettini, M. & Romantsik, O., 2008 okt. 1, I: Minerva Pediatrica. 60, 5, s. 1007-1008

Early markers of perinatal brain damage

Gazzolo, D. & Bruschettini, M., 2007, *Proceedings of the 8th World Congress of Perinatal Medicine*. Medimond, s. 127-133

Cognition- and anxiety-related behavior, synaptophysin and MAP2 immunoreactivity in the adult rat treated with a single course of antenatal betamethasone

Bruschettini, M., Van den Hove, D.L.A., Timmers, S., Welling, M., Steinbusch, H.P., Prickaerts, J., Gazzolo, D., Blanco, C.E. & Steinbusch, H.W.M., 2006, *I: Pediatric Research*. 60, 1, s. 50-54

High maternal blood S100B concentrations in pregnancies complicated by intrauterine growth restriction and intraventricular hemorrhage

Gazzolo, D., Marinoni, E., Di Iorio, R., Lituania, M., Marras, M., Bruschettini, M., Bruschettini, P., Frulio, R., Michetti, F., Petraglia, F. & Florio, P., 2006, *I: Clinical Chemistry*. 52, 5, s. 819-826

Lowering the dose of antenatal steroids: The effects of a single course of betamethasone on somatic growth and brain cell proliferation in the rat

Bruschettini, M., van den Hove, D.L.A., Gazzolo, D., Steinbusch, H.W.M. & Blanco, C.E., 2006, *I: American Journal of Obstetrics and Gynecology*. 194, 5, s. 1341-1346

Prenatal stress reduces S100B in the neonatal rat hippocampus

Van den Hove, D. L. A., Steinbusch, H. W. M., Bruschettini, M., Gazzolo, D., Frulio, R., Scheepens, A., Prickaerts, J. & Blanco, C. E., 2006, *I: NeuroReport*. 17, 10, s. 1077-1080

Systemic endotoxin administration results in increased S100B protein blood levels and periventricular brain white matter injury in the preterm fetal sheep

Garnier, Y., Berger, R., Alm, S., von Duering, M.U., Coumans, A.B.C., Michetti, F., Bruschettini, M., Lituania, M., Hasaart, T.H.M. & Gazzolo, D., 2006, *I: European Journal of Obstetrics, Gynecology, and Reproductive Biology*. 124, 1, s. 15-22

Urinary S100B protein concentrations are increased in intrauterine growth- retarded Newborns

Florio, P., Marinoni, E., Di Iorio, R., Bashir, M., Ciotti, S., Sacchi, R., Bruschettini, M., Lituania, M., Serra, G., Michetti, F., Petraglia, F. & Gazzolo, D., 2006, *I: Pediatrics*. 118, 3, s. E747-E754

A single course of antenatal betamethasone reduces neurotrophic factor S100B concentration in the hippocampus and serum in the neonatal rat

Bruschettini, M., van den Hove, D.L.A., Gazzolo, D., Bruschettini, P., Blanco, C.E. & Steinbusch, H.W.M., 2005, *I: Developmental Brain Research*. 159, 2, s. 113-118

Non protein bound iron concentrations in amniotic fluid

Gazzolo, D., Perrone, S., Paffetti, P., Longini, M., Vezzosi, P., Bruschettini, M., Lituania, M. & Buonocore, G., 2005, *I: Clinical Biochemistry*. 38, 7, s. 674-677

Prenatal restraint stress and long-term affective consequences

Van den Hove, D.L.A., Blanco, C.E., Aendekerk, B., Desbonnet, L., Bruschettini, M., Steinbusch, H.P., Prickaerts, J. & Steinbusch, H.W.M., 2005, *I: Developmental Neuroscience*. 27, 5, s. 313-320

S100B protein in urine of preterm newborns with ominous outcome

Gazzolo, D., Florio, P., Ciotti, S., Marinoni, E., Di Iorio, R., Bruschettini, M., Sacchi, R., Serra, G., Lituania, M. & Michetti, F., 2005, *I: Pediatric Research*. 58, 6, s. 1170-1174

S100B protein levels in saliva: correlation with gestational age in normal term and preterm newborns

Gazzolo, D., Lituania, M., Bruschettini, M., Ciotti, S., Sacchi, R., Serra, G., Calevo, M.G., Corvino, V., Buonocore, G. & Michetti, F., 2005, *I: Clinical Biochemistry*. 38, 3, s. 229-233

Amniotic fluid S100B protein in mid-gestation and intrauterine fetal death

Florio, P., Michetti, F., Bruschettini, M., Lituania, M., Bruschettini, P., Severi, F.M., Petraglia, F. & Gazzolo, D., 2004, *I: The Lancet*. 364, 9430, s. 270-272

Cerebrospinal fluid activin A measurement in asphyxiated full-term newborns predicts hypoxic ischemic encephalopathy
Florio, P., Luisi, S., Bruschetti, M., Grutzfeld, D., Dobrzanska, A., Bruschetti, P., Petraglia, F. & Gazzolo, D., 2004, I: *Clinical Chemistry*. 50, 12, s. 2386-2389

Increased S100B in cerebrospinal fluid of infants with bacterial meningitis: relationship to brain damage and routine cerebrospinal fluid findings

Gazzolo, D., Grutzfeld, D., Michetti, F., Toesca, A., Lituania, M., Bruschetti, M., Dobrzanska, A. & Bruschetti, PL., 2004, I: *Clinical Chemistry*. 50, 5, s. 941-944

Levels of S100B protein are higher in mature human milk than in colostrum and milk-formulae milks

Gazzolo, D., Bruschetti, M., Lituania, M., Serra, G., Santini, P. & Michetti, F., 2004, I: *Clinical Nutrition*. 23, 1, s. 23-26

Urinary S100B protein concentrations are increased in intrauterine growth retarded newborns

Gazzolo, DSM., Bruschetti, M., Buonocore, G., Serra, G. & Michetti, F., 2004, I: *Pediatric Research*. 55, 4, s. 413A-413A

Urinary S100B protein measurements: A tool for the early identification of hypoxic-ischemic encephalopathy in asphyxiated full-term infants

Gazzolo, D., Marinoni, E., Di Iorio, R., Bruschetti, M., Kornacka, M., Lituania, M., Majewska, U., Serra, G. & Michetti, F., 2004, I: *Critical Care Medicine*. 32, 1, s. 131-136

Amniotic fluid levels of S100B protein in normal and trisomy-21 fetuses

Gazzolo, D., Bruschetti, M., Corvino, V., Lituania, M., Sarli, R., Bruschetti, P. & Michetti, F., 2003, I: *Clinica Chimica Acta*. 330, 1-2, s. 131-133

Human milk contains S100B protein

Gazzolo, D., Monego, G., Corvino, V., Bruschetti, M., Bruschetti, P., Zelano, G. & Michetti, F., 2003, I: *Biochimica et Biophysica Acta. General Subjects*. 1619, 2, s. 209-212

Maternal glucocorticoid supplementation and S100B protein concentrations in cord blood and urine of preterm infants

Gazzolo, D., Kornacka, M., Bruschetti, M., Lituania, M., Giovannini, L., Serra, G., Majewska, U. & Michetti, F., 2003, I: *Clinical Chemistry*. 49, 7, s. 1215-1218

Measurement of urinary S100B protein concentrations for the early identification of brain damage in asphyxiated full-term infants

Gazzolo, D., Marinoni, E., Di Iorio, R., Bruschetti, M., Kornacka, M., Lituania, M., Majewska, U., Serra, G. & Michetti, F., 2003, I: *Archives of Pediatrics & Adolescent Medicine*. 157, 12, s. 1163-1168

Pediatric concentrations of S100B protein in blood: Age- and sex-related changes

Gazzolo, D., Michetti, F., Bruschetti, M., Marchese, N., Lituania, M., Mangraviti, S., Pedrazzi, E. & Bruschetti, P., 2003, I: *Clinical Chemistry*. 49, 6, s. 967-970

S100B protein concentrations in amniotic fluid are higher in monoamniotic than in diamniotic twins and singleton pregnancies

Gazzolo, D., Lituania, M., Bruschetti, M., Bruschetti, P. & Michetti, F., 2003, I: *Clinical Chemistry*. 49, 6, s. 997-999

Maternal nitric oxide supplementation decreases cord blood S100B in intrauterine growth-retarded fetuses

Gazzolo, D., Bruschetti, M., Di Iorio, R., Marinoni, E., Lituania, M., Marras, M., Sarli, R., Bruschetti, PL. & Michetti, F., 2002, I: *Clinical Chemistry*. 48, 4, s. 647-650

Increased urinary S100B protein as an early indicator of intraventricular hemorrhage in preterm infants: Correlation with the grade of hemorrhage

Gazzolo, D., Bruschetti, M., Lituania, M., Serra, G., Bonacci, W. & Michetti, F., 2001, I: *Clinical Chemistry*. 47, 10, s. 1836-1838

S100B protein concentrations in amniotic fluid correlate with gestational age and with cerebral ultrasound scanning results in healthy fetuses

Gazzolo, D., Bruschetti, M., Corvino, V., Oliva, R., Sarli, R., Lituania, M., Bruschetti, P. & Michetti, F., 2001, I: Clinical Chemistry. 47, 5, s. 954-956

S100B protein concentrations in urine are correlated with gestational age in healthy preterm and term newborns

Gazzolo, D., Bruschetti, M., Lituania, M., Serra, G., Gandullia, E. & Michetti, F., 2001, I: Clinical Chemistry. 47, 6, s. 1132-1133

2016	Lorem ipsum dolor sit amet
2015	Lorem ipsum dolor sit amet
2014	Lorem ipsum dolor sit amet
2013	Lorem ipsum dolor sit amet
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