

# Neonatology

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Neonatology is a subspecialty of pediatrics that consists of the medical care of newborn infants, especially the ill or premature newborn infant. It is a hospital-based specialty, and is usually practiced in neonatal intensive care units. The principal patients of neonatologists are newborn infants who are ill or requiring special medical care due to prematurity, low birth weight, intrauterine growth retardation, congenital malformations, sepsis, or birth asphyxia.

## Recent Publications on Neonatology:



- [Fluid regimens and the risk of patent ductus arteriosus in extremely low birth weight infants.](#)  
*The evaluation of the inter-laboratory tests over the 26 year period shows...*30th August, 2008  
1Department of Neonatology, US Naval Hospital Okinawa and 18th Medical- J Perinatol. 2008 Sep;28(9):652-3. ([DOI Direct Link](#))
- [\[Perinatal Mortality underreporting in Obstetrics and Neonatology.\]](#)  
*INTRODUCTION: Perinatal mortality has been decreasing in Spain;...*30th August, 2008  
Servicio de Epidemiologia. Direccion General de Salud Publica. Consejeria- An Pediatr (Barc). 2008 Aug;69(2):129-33.
- [Gross motor functional abilities in preterm-born children with cerebral palsy due to periventricular leukomalacia.](#)  
*To describe the impact of periventricular leukomalacia (PVL) on gross...*30th August, 2008  
Department of Neonatology, University Medical Center Utrecht, Utrecht, the- Dev Med Child Neurol. 2008 Sep;50(9):684-9. ([DOI Direct Link](#))
- [Influence of protein and energy intakes on body composition of formula-fed preterm infants after term.](#)  
*The aim of the present study was to evaluate changes in body composition...*30th August, 2008  
Institute of Pediatrics and Neonatology, Fondazione IRCCS Ospedale- J Pediatr Gastroenterol Nutr. 2008 Sep;47(3):375-8. ([DOI Direct Link](#))
- [Chorioamnionitis and Ontogeny of Circulating Prostaglandin and Thromboxane in Preterm Infants.](#)  
*Our objective was to determine the effect of chorioamnionitis on plasma...*30th August, 2008  
Division of Neonatology, Children's Hospital of Michigan and Hutzel- Am J Perinatol. 2008 Aug 22. ([DOI Direct Link](#))
- [Free Radical Injury and Blood-Brain Barrier Permeability in Hypoxic-Ischemic Encephalopathy.](#)  
*OBJECTIVES. The purpose of this work was to evaluate the extent of free...*30th August, 2008  
aDivision of Neonatology.- Pediatrics. 2008 Aug 25. ([DOI Direct Link](#))
- [\[Insertion and maintenance of peripheral venous catheters in neonates.\]](#)  
*Insertion of peripheral venous catheters in premature and term newborns is...*30th August, 2008  
Unidad de Cuidados Intensivos Neonatal. Hospital Universitario Virgen de- Enferm Clin. 2008 Jul-Aug;18(4):211-5.

- [Development of amplitude integrated EEG and interburst interval in the rat.](#)  
*Continuous monitoring of electrocortical brain activity with...*30th August, 2008  
Department of Child Health, University of Bristol, Bristol, BS2 8EG,- *Pediatr Res.* 2008 Aug 20. ([DOI Direct Link](#))
- [Klebsiella pneumoniae Brain Abscess in Two Neonates.](#)  
*We report two premature infants who developed multiple brain abscesses...*30th August, 2008  
Neonatology Unit, Department of Pediatrics, N.R.S. Medical College and- *Indian Pediatr.* 2008 Aug 7;45(8):693-694.
- [Efficacy of Two Dose Regimes of Intravenous Immunoglobulin in Rh Hemolytic Disease of Newborn A Randomized Controlled Trial.](#)  
*OBJECTIVE: To compare the effect of two dose regimes of IVIg (0.5g/kg vs....*30th August, 2008  
Division of Neonatology, Department of Pediatrics, WHO Collaborating- *Indian Pediatr.* 2008 Aug 7;45(8):653-659.
- [Single versus multiple courses of antenatal corticosteroids.](#)  
*OBJECTIVE: To compare the effect of two dose regimes of IVIg (0.5g/kg vs....*30th August, 2008  
Professor, Division of Neonatology, department of Pediatrics, All India- *Indian Pediatr.* 2008 Aug;45(8):650-2.
- [Providing stability in oxygenation for preterm infants: is transcutaneous oxygen monitoring really better than pulse oximetry?](#)  
*OBJECTIVE: To compare the effect of two dose regimes of IVIg (0.5g/kg vs....*30th August, 2008  
Department of Neonatology, University Hospital, Calwerstr. 7, 72076- *Arch Dis Child Fetal Neonatal Ed.* 2008 Sep;93(5):F330-1. ([DOI Direct Link](#))
- [Iron deficiency alters expression of genes implicated in Alzheimer disease pathogenesis.](#)  
*Neonatal brain iron deficiency occurs after insufficient maternal dietary...*30th August, 2008  
Department of Pediatrics, University of Minnesota School of Medicine, USA;- *Brain Res.* 2008 Aug 7. ([DOI Direct Link](#))
- [Pregnancy in Women with Renal Disease. Part II: Specific Underlying Renal Conditions.](#)  
*The obstetric outcome in women with kidney disease has improved in recent...*23rd August, 2008  
Division of Maternal-Fetal Medicine, Department of Obstetrics, Gynecology,- *Am J Perinatol.* 2008 Aug 21. ([DOI Direct Link](#))

## BioNews Results for Neonatology

- [Jonathan Wispe, MD, Appointed Associate Chief of Neonatology at Nationwide Children's Hospital](#)  
*Newswise: Aug 19 2008 12:05AM Matching: neonatology*
- [Key to Treating Cancer May Be Finding its Original Cell](#)  
*Duke Med: Aug 17 2008 10:24PM Matching: neonatology*
- [PRA International Names Tami Klerr-Naivar to Head Business Development Effort](#)  
*SmartBrief: Aug 14 2008 6:39AM Matching: neonatology*
- [Ms Tami Klerr-Naivar joins PRA International](#)  
*Bio Spectrum Asia: Aug 14 2008 5:06AM Matching: neonatology*
- [PRA International Names Tami Klerr-Naivar to Head Business Development Effort](#)  
*Pharma Live: Aug 14 2008 2:59AM Matching: neonatology*
- [PRA International Names Tami Klerr-Naivar to Head Business Development Effort](#)  
*KLFY: Aug 13 2008 4:45PM Matching: neonatology*
- [Key To Treating Cancer May Be Finding Its Original Cell](#)  
*Science Daily: Aug 12 2008 6:09AM Matching: neonatology*
- [Key to treating cancer may be finding its original cell](#)  
*Genetic Engineering News: Aug 11 2008 5:01PM Matching: neonatology*
- [Teacher-student relationships key to learning health and sex education](#)



## Neonatology Clinical Trials:

- [Genomics, Single Nucleotide Polymorphisms \(SNPs\), and Clinical Neonatology](#)  
*Lung Disease; Brain Injury; Necrotizing Enterocolitis; Respiratory Failure*



## Neonatology Patents:

- 4994039- [Apparatus and method for patients from a single donor or a restricted group of donors](#)
- 5835897- [Computer-implemented method for profiling medical claims](#)
- 5840585- [Rh blood group antigen compositions and methods of use](#)
- 5874470- [Isotonic fat emulsion containing omega-3-fatty acids and use thereof](#)
- 5893833- [Axillary infrared thermometer and cover therefor](#)
- 5918593- [Ultrasonic atomizer for respiration systems](#)
- 5948278- [System and method for enrichment of rare cell population from whole blood samples](#)
- 5978691- [Device and method for noninvasive continuous determination of blood gases, pH, hemoglobin level, and oxygen content](#)
- 6015388- [Method for analyzing breath waveforms as to their neuromuscular respiratory implications](#)
- 6080787- [Methods for reducing the incidence of necrotizing enterocolitis](#)
- 6167887- [Selected C-10 perfluorinated hydrocarbons for liquid ventilation and artificial blood](#)
- 5830679- [Diagnostic blood test to identify infants at risk for sepsis](#)
- 5827888- [Perinatal treatment of a fetus to avoid oxygen deprivation](#)
- 5795340- [Microcatheter set](#)
- 4995401- [Device for measuring anterior fontanelle pressure](#)
- 5114916- [Therapeutic agent for the prevention of intraventricular hemorrhage in premature infants](#)
- 5349947- [Dry powder inhaler and process that explosively discharges a dose of powder and gas from a soft plastic pillow](#)
- 5389037- [Method and apparatus for improving the respiratory efficiency of an infant](#)
- 5400779- [Continuous-flow respiratory resuscitation unit](#)
- 5443060- [System for supporting endotracheal tubes in pediatric patients and method of using same](#)
- 5503151- [Apparatus for measuring the parameters of respiratory gases](#)
- 5553614- [Examination of biological tissue using frequency domain spectroscopy](#)
- 5591138- [Protected needle assembly](#)
- 5676849- [Method for enrichment of fetal cell population from maternal whole blood samples](#)
- 6191108- [RH blood group antigen compositions and methods of use](#)
- 6212808- [Safety identification assembly and method](#)
- 6884777- [Method for treating respiratory distress syndrome](#)

- 6911178- [Rh blood group antigen compositions and methods of use](#)
- 6956023- [Materials and methods for providing nutrition to neonates](#)
- 6976327- [Safe and secure baby identification system](#)
- 7043292- [Single or multi-mode cardiac activity data collection, processing and display obtained in a non-invasive manner](#)
- 7044850- [Open patient care unit](#)
- 7144707- [Determination of risk and treatment of complications of prematurity](#)
- 7162921- [Measuring device for measuring the volume flow or the substance properties of a gas, whose direction of flow can reverse](#)
- 7273708- [Assays for preimplantation factor and preimplantation factor peptides](#)
- 7318834- [Apparatus and method for hypothermia and rewarming by altering the temperature of the cerebrospinal fluid in the brain](#)
- 6884211- [Neonatal artificial bubble](#)
- 6801798- [Body-member-illuminating pressure cuff for use in optical noninvasive measurement of blood parameters](#)
- 6753350- [Method to reduce the incidence of intraventricular hemorrhage in preterm infants](#)
- 6280958- [Rh blood group antigen compositions and methods of use](#)
- 6306908- [Methods for reducing the incidence of necrotizing enterocolitis](#)
- 6344479- [Method of preventing retinopathy of prematurity in a neonate](#)
- 6370511- [Computer-implemented method for profiling medical claims](#)
- 6405075- [Apparatus and method of finding the diastolic blood pressure point using pulse oximetry](#)
- 6547744- [Axillary infrared thermometer and cover thereof](#)
- 6551830- [Rh blood group antigen compositions and methods of use](#)
- 6596016- [Phototherapy of jaundiced newborns using garments containing semiconductor light-emitting devices](#)
- 6654622- [Device for the combined measurement of the arterial oxygen saturation and the transcutaneous CO2 partial pressure on an ear lobe](#)
- 6655063- [Safe and secure baby identification system](#)
- 7406966- [Method and device for non-invasive ventilation with nasal interface](#)

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