



## Vinod (Vinny) K. Bhutani

Professor of Pediatrics (Neonatology) at the Lucile Salter Packard Children's Hospital  
Pediatrics - Neonatal and Developmental Medicine

 NIH Biosketch available Online

### CLINICAL OFFICES

- **Neonatology**

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### ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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### Bio

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#### BIO

Currently, Professor of Pediatrics (Neonatology), Stanford University School of Medicine, Dr. Bhutani is a medical graduate of the Armed Forces Medical College, Poona, India and has been trained as a basic scientist of physiology and board certified in neonatology. His research is to advance translational research in neonatology through design and use of innovative, evidence-based technologies/tool-kits that are intuitive, practical to reduce neonatal morbidities. His investigative domains include: (i) application of fetal and neonatal physiological principles to translation basic science; (ii) elucidation of early clinical biomarkers in long-term maternal-fetal health and developing targeted interventions; (iii) design of affordable, high quality evidence-based biotechnologies for global reduction of infant mortality and morbidities; (iv) translation of clinical evidence to systems application and operationalization through novel healthcare access; and (v) prevention (specifically) of jaundice-related newborn brain damage through systems-approach, biotechnologies and chemoprevention. He co-Chairs, the Audrey K. Brown Kernicterus Symposium, Pediatric Academic Societies; is the Fellow of the National Neonatology Forum of India, Faculty Awardee of Stanford-India BioDesign Program, as well as the recipient of Lifetime Achievement Award, National Neonatology Forum of India and The Landmark Award of the Section on Perinatal Pediatrics, American Academy of Pediatrics. In 2016, he was a recipient of the Legend of Neonatology Award at the NEO Conference.

#### CLINICAL FOCUS

- Global Maternal Child Health and Society
- NeoDesign
- Neonatal Jaundice Biology and Management
- Neonatal Respiratory Physiology and Medicine
- Perinatal Sepsis
- Pediatrics

#### ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Pediatrics - Neonatal and Developmental Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

## **ADMINISTRATIVE APPOINTMENTS**

- Program Director, Neonatology Fellowship Program, (2015-2018)

## **HONORS AND AWARDS**

- Legend of Neonatology, NeoForum, USA (2016)
- Landmark Award, American Academy of Pediatrics (2014)
- Lifetime Achievement Award, National Neonatology Forum of India (2013)

## **BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS**

- Founder, NeoDesign (2015 - present)
- Chair and Founder, Global Prevention of Kernicterus (2012 - present)
- Co-Founder and Chair, Consortium for Universal Rh disease Elimination (2015 - present)

## **PROFESSIONAL EDUCATION**

- Board Certification: Neonatal-Perinatal Medicine, American Board of Pediatrics (1981)
- Board Certification: Pediatrics, American Board of Pediatrics (1979)
- Fellowship: Albert Einstein Medical Center (1979) PA
- Residency: Albert Einstein Medical Center (1977) PA
- Internship: Albert Einstein Medical Center (1976) PA
- Medical Education: Armed Forces Medical College (1974) India
- Neonatal Medicine, American Board of Pediatrics , Sub-Board. Neonatal Medicine (1981)
- Post-doctorate, Temple University , Physiology (1980)
- MD, Temple University , Pediatrics (1975)
- MBBS, Armed Forces Medical College , Medical School (1972)

## **COMMUNITY AND INTERNATIONAL WORK**

- Global Burden of Rhesus disease and Extreme Hyperbilirubinemia
- null
- CURhE
- Identification of Neonatal Hemolysis
- STANFORD-INTERNATIONAL HEALTH AND SOCIETY INITIATIVE FOR MATERNAL-CHILD HEALTH WELL-BEING, India
- PILOT KERNICTERUS REGISTRY, USA
- Burden of Neurologic Disease in India, India
- Screening and Prevention of Kernicterus, Africa, South Asia, Latin America and others
- Thermoregulation of the Newborn, South Asia, USA

## **Research & Scholarship**

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### **CURRENT RESEARCH AND SCHOLARLY INTERESTS**

Neonatology; newborn jaundice, bilirubin biology and kernicterus prevention; pulmonary physiology, pulmonary functions and neonatal ventilation.

### **CLINICAL TRIALS**

- Bilirubin Binding Capacity to Assess Bilirubin Load in Preterm Infants, Recruiting

- Point-of-Care System for Determination of Bilirubin Capacity in Neonates, Recruiting
- Transcutaneous Screening for Risk of Severe Hyperbilirubinemia in South African Newborns, Recruiting
- Clinical Performance of the Embrace Isothermal Mattress, Not Recruiting

## Teaching

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### GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Neonatal-Perinatal Medicine (Fellowship Program)

## Publications

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### PUBLICATIONS

- **Identification of risk for neonatal haemolysis.** *Acta paediatrica (Oslo, Norway : 1992)*  
Bhutani, V. K., Maisels, M. J., Schutzman, D. L., Castillo Cuadrado, M. E., Aby, J. L., Bogen, D. L., Christensen, R. D., Watchko, J. F., Wong, R. J., Stevenson, D. K.  
2018
- **Extreme hyperbilirubinemia and rescue exchange transfusion in California from 2007 to 2012.** *Journal of perinatology*  
Bhutani, V. K., Meng, N. F., Knauer, Y., Danielsen, B. H., Wong, R. J., Stevenson, D. K., Gould, J. B.  
2016; 36 (10): 853-857
- **Clinical trial of tin mesoporphyrin to prevent neonatal hyperbilirubinemia** *JOURNAL OF PERINATOLOGY*  
Bhutani, V. K., Poland, R., Meloy, L. D., Hegyi, T., Fanaroff, A. A., Maisels, M. J.  
2016; 36 (7): 533-539
- **The clinical syndrome of bilirubin-induced neurologic dysfunction** *SEMINARS IN FETAL & NEONATAL MEDICINE*  
Bhutani, V. K., Johnson-Hamerman, L.  
2015; 20 (1): 6-13
- **Neonatal hyperbilirubinemia and Rhesus disease of the newborn: incidence and impairment estimates for 2010 at regional and global levels** *PEDIATRIC RESEARCH*  
Bhutani, V. K., Zipursky, A., Blencowe, H., Khanna, R., Sgro, M., Ebbesen, F., Bell, J., Mori, R., Slusher, T. M., Fahmy, N., Paul, V. K., Du, L., Okolo, et al  
2013; 74: 86-100
- **Predischarge screening for severe neonatal hyperbilirubinemia identifies infants who need phototherapy.** *journal of pediatrics*  
Bhutani, V. K., Stark, A. R., Lazzaroni, L. C., Poland, R., Gourley, G. R., Kazmierczak, S., Meloy, L., Burgos, A. E., Hall, J. Y., Stevenson, D. K.  
2013; 162 (3): 477-482 e1
- **Building Evidence to Manage Newborn Jaundice Worldwide** *INDIAN JOURNAL OF PEDIATRICS*  
Bhutani, V. K.  
2012; 79 (2): 253-255
- **The Need for Technologies to Prevent Bilirubin-Induced Neurologic Dysfunction Syndrome** *SEMINARS IN PERINATOLOGY*  
Bhutani, V. K., Stevenson, D. K.  
2011; 35 (3): 97-100
- **Predictive ability of a predischarge hour-specific serum bilirubin for subsequent significant hyperbilirubinemia in healthy term and near-term newborns** *PEDIATRICS*  
Bhutani, V. K., Johnson, L., Sivieri, E. M.  
1999; 103 (1): 6-14
- **Bilirubin binding in jaundiced newborns: from bench to bedside?** *Pediatric research*  
Ahlfors, C. E., Bhutani, V. K., Wong, R. J., Stevenson, D. K.  
2018
- **Rhesus disease: a global prevention strategy** *LANCET CHILD & ADOLESCENT HEALTH*  
Zipursky, A., Bhutani, V. K., Odame, I.

2018; 2 (7): 536–42

- **Neurodevelopmental disorders in children aged 2-9 years: Population-based burden estimates across five regions in India** *PLOS MEDICINE*  
Arora, N. K., Nair, M. C., Gulati, S., Deshmukh, V., Mohapatra, A., Mishra, D., Patel, V., Pandey, R. M., Das, B. C., Divan, G., Murthy, G. S., Sharma, T. D., Sapra, et al  
2018; 15 (7): e1002615
- **A PILOT PROSPECTIVE COHORT STUDY ON BILIRUBIN BINDING CAPACITY AND INTRALIPID INFUSION RATE**  
Pham, O., Chetta, K. E., Pedroza, C., Tyson, J., Lamola, A., Bhutani, V., Arnold, C.  
BMJ PUBLISHING GROUP.2018: 559
- **MEASURING BILIRUBIN BINDING CAPACITY IN VERY LOW BIRTHWEIGHT NEWBORNS**  
Chetta, K. E., Pham, O., Pedroza, C., Tyson, J., Lamola, A., Bhutani, V., Arnold, C.  
BMJ PUBLISHING GROUP.2018: 627
- **NEONATAL HYPERBILIRUBINEMIA AFTER MECHANICAL CIRCULATORY SUPPORT**  
Bhombal, S., Dasani, R., Davis, A., Axelrod, D. M., Wong, R. J., Bhutani, V. K.  
BMJ PUBLISHING GROUP.2018: 164–65
- **Rh sensitization in Canada is not obsolete** *PAEDIATRICS & CHILD HEALTH*  
Baker, J. M., Campbell, D. M., Bhutani, V. K., Sgro, M.  
2017; 22 (4): 238–39
- **Skin-to-skin contact after birth and the natural course of neurosteroid levels in healthy term newborns.** *Journal of perinatology*  
McCallie, K. R., Gaikwad, N. W., Castillo Cuadrado, M. E., Aleman, M., Madigan, J. E., Stevenson, D. K., Bhutani, V. K.  
2017
- **CYCLED PHOTOTHERAPY IS A SAFE AND EFFECTIVE TREATMENT FOR SMALL PREMATURE INFANTS WITH HYPERBILIRUBINEMIA**  
Arnold, C. C., Tyson, J. E., Cuadrado, C. E., Dempsey, A. G., Khan, A. M., Pedroza, C., Bhutani, V. K., Wong, R. J., Stevenson, D. K.  
BMJ PUBLISHING GROUP.2017: 150–51
- **The Importance of Hemolysis and Its Clinical Detection in Neonates with Hyperbilirubinemia.** *Current pediatric reviews*  
Wong, R. J., Bhutani, V. K., Stevenson, D. K.  
2017; 13 (3): 193–98
- **IDENTIFICATION OF RISK FOR NEONATAL HEMOLYSIS: A MULTI-CENTER STUDY**  
Bhutani, V. K., Cuadrado, C. E., Schutzman, D. L., Aby, J. L., Bogen, D. L., Christensen, R. D., Watchko, J. F., Maisels, M., Wong, R. J., Stevenson, D. K.  
BMJ PUBLISHING GROUP.2017: 123
- **Risk profiles for haemolytic and nonhaemolytic neonatal jaundice** *ACTA PAEDIATRICA*  
Bhutani, V. K., Wong, R. J.  
2016; 105 (12): 1387–88
- **Hyperbilirubinemia in Preterm Neonates** *CLINICS IN PERINATOLOGY*  
Bhutani, V. K., Wong, R. J., Stevenson, D. K.  
2016; 43 (2): 215-?
- **Preterm Neonates: Beyond the Guidelines for Neonatal Hyperbilirubinemia** *CLINICS IN PERINATOLOGY*  
Stevenson, D. K., Bhutani, V. K.  
2016; 43 (2): XVII-XVIII
- **The Preterm Infant A High-Risk Situation for Neonatal Hyperbilirubinemia Due to Glucose-6-Phosphate Dehydrogenase Deficiency** *CLINICS IN PERINATOLOGY*  
Kaplan, M., Hammerman, C., Bhutani, V. K.  
2016; 43 (2): 325-?
- **Identification of neonatal haemolysis: an approach to predischarge management of neonatal hyperbilirubinemia.** *Acta paediatrica (Oslo, Norway : 1992)*  
Bhutani, V. K., Srinivas, S., Castillo Cuadrado, M. E., Aby, J. L., Wong, R. J., Stevenson, D. K.  
2016; 105 (5): e189-94
- **Filtered sunlight noninferior to conventional phototherapy** *JOURNAL OF PEDIATRICS*

- Bhutani, V. K.  
2016; 170: 341–42
- **Point-of-Care Quantitative Measure of Glucose-6-Phosphate Dehydrogenase Enzyme Deficiency** *PEDIATRICS*  
Bhutani, V. K., Kaplan, M., Glader, B., Cotten, M., Kleinert, J., Pamula, V.  
2015; 136 (5): E1268-E1275
  - **Point-of-Care Quantitative Measure of Glucose-6-Phosphate Dehydrogenase Enzyme Deficiency.** *Pediatrics*  
Bhutani, V. K., Kaplan, M., Glader, B., Cotten, M., Kleinert, J., Pamula, V.  
2015; 136 (5): e1268-75
  - **Parental education and the WHO neonatal G-6-PD screening program: a quarter century later.** *Journal of perinatology*  
Kaplan, M., Hammerman, C., Bhutani, V. K.  
2015; 35 (10): 779-784
  - **Bilirubin production and hour-specific bilirubin levels** *JOURNAL OF PERINATOLOGY*  
Bhutani, V. K., Wong, R. J., Vreman, H. J., Stevenson, D. K.  
2015; 35 (9): 735-738
  - **Bilirubin production and hour-specific bilirubin levels.** *Journal of perinatology*  
Bhutani, V. K., Wong, R. J., Vreman, H. J., Stevenson, D. K.  
2015; 35 (9): 735-738
  - **Rhesus disease: a major public health problem** *LANCET*  
Zipursky, A., Bhutani, V. K.  
2015; 386 (9994): 651
  - **Keeping babies warm: a non-inferiority trial of a conductive thermal mattress.** *Archives of disease in childhood. Fetal and neonatal edition*  
Bhat, S. R., Meng, N. F., Kumar, K., Nagesh, K. N., Kawale, A., Bhutani, V. K.  
2015; 100 (4): F309-12
  - **Evaluation of a new end-tidal carbon monoxide monitor from the bench to the bedside** *ACTA PAEDIATRICA*  
Cuadrado, M. E., Bhutani, V. K., Aby, J. L., Vreman, H. J., Wong, R. J., Stevenson, D. K.  
2015; 104 (6): E279-E282
  - **Preventing visuocortical bilirubin induced neurological dysfunction**  
Good, W. V., Hou, C., Bhutani, V., Norcia, A., Wong, R., Lewis, K., Slagel, T.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2015
  - **Evaluation of a new end-tidal carbon monoxide monitor from the bench to the bedside.** *Acta paediatrica (Oslo, Norway : 1992)*  
Castillo Cuadrado, M. E., Bhutani, V. K., Aby, J. L., Vreman, H. J., Wong, R. J., Stevenson, D. K.  
2015; 104 (6): e279-82
  - **Neonatal bilirubin binding capacity discerns risk of neurological dysfunction.** *Pediatric research*  
Lamola, A. A., Bhutani, V. K., Du, L., Castillo Cuadrado, M., Chen, L., Shen, Z., Wong, R. J., Stevenson, D. K.  
2015; 77 (2): 334-339
  - **Bilirubin-induced neurologic dysfunction (BIND)** *SEMINARS IN FETAL & NEONATAL MEDICINE*  
Bhutani, V. K., Wong, R.  
2015; 20 (1): 1
  - **Neonatal bilirubin binding capacity discerns risk of neurological dysfunction.** *Pediatric research*  
Lamola, A. A., Bhutani, V. K., Du, L., Castillo Cuadrado, M., Chen, L., Shen, Z., Wong, R. J., Stevenson, D. K.  
2015; 77 (2): 334-339
  - **Impact of Rhesus disease on the global problem of bilirubin-induced neurologic dysfunction** *SEMINARS IN FETAL & NEONATAL MEDICINE*  
Zipursky, A., Bhutani, V. K.  
2015; 20 (1): 2-5
  - **Inpatient care of small and sick newborns: a multi-country analysis of health system bottlenecks and potential solutions.** *BMC pregnancy and childbirth*

- Moxon, S. G., Lawn, J. E., Dickson, K. E., Simen-Kapeu, A., Gupta, G., Deorari, A., Singhal, N., New, K., Kenner, C., Bhutani, V., Kumar, R., Molyneux, E., Blencowe, et al  
2015; 15: S7-?
- **Apnea in acute bilirubin encephalopathy** *SEMINARS IN PERINATOLOGY*  
Amin, S. B., Bhutani, V. K., Watchko, J. F.  
2014; 38 (7): 407-411
  - **INCLen Diagnostic Tool for Neuromotor Impairments (INDT-NMI) for primary care physician: Development and validation** *INDIAN PEDIATRICS*  
Gulati, S., Aneja, S., Juneja, M., Mukherjee, S., Deshmukh, V., Silberberg, D., Bhutani, V. K., Pinto, J. M., Durkin, M., Tudu, P., Pandey, R. M., Nair, M. K., Arora, et al  
2014; 51 (8): 613-619
  - **Prevention of Kernicterus in South Asia: Role of Neonatal G6PD Deficiency and its Identification** *INDIAN JOURNAL OF PEDIATRICS*  
Arain, Y. H., Bhutani, V. K.  
2014; 81 (6): 599-607
  - **INCLen Diagnostic Tool for Attention Deficit Hyperactivity Disorder (INDT-ADHD): Development and Validation** *INDIAN PEDIATRICS*  
Mukherjee, S., Aneja, S., Russell, P. S., Gulati, S., Deshmukh, V., Sagar, R., Silberberg, D., Bhutani, V. K., Pinto, J. M., Durkin, M., Pandey, R. M., Nair, M. K., Arora, et al  
2014; 51 (6): 457-462
  - **INCLen diagnostic tool for autism spectrum disorder (INDT-ASD): Development and validation** *INDIAN PEDIATRICS*  
Juneja, M., Mishra, D., Russell, P. S., Gulati, S., Deshmukh, V., Tudu, P., Sagar, R., Silberberg, D., Bhutani, V. K., Pinto, J. M., Durkin, M., Pandey, R. M., Nair, et al  
2014; 51 (5): 359-365
  - **Visual Acuity is Reduced at One Year in Infants with Neonatal Physiological Jaundice**  
Good, W. V., Bhutani, V., Hou, C., Slagel, T., Wong, R., Lewis, K., Ahlfors, C., Norcia, A. M.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2014
  - **Multidisciplinary guidelines for the care of late preterm infants** *JOURNAL OF PERINATOLOGY*  
Bhutani, V. K.  
2014; 34 (1): 81
  - **Jaundice and Kernicterus in the Moderately Preterm Infant** *CLINICS IN PERINATOLOGY*  
Wallenstein, M. B., Bhutani, V. K.  
2013; 40 (4): 679-?
  - **Phototherapy Device Effectiveness in Nigeria: Irradiance Assessment and Potential for Improvement** *JOURNAL OF TROPICAL PEDIATRICS*  
Cline, B. K., Vreman, H. J., Faber, K., Lou, H., Donaldson, K. M., Amuabunosi, E., Ofovwe, G., Bhutani, V. K., Olusanya, B. O., Slusher, T. M.  
2013; 59 (4): 321-325
  - **The effect of hematocrit on the efficacy of phototherapy for neonatal jaundice** *PEDIATRIC RESEARCH*  
Lamola, A. A., Bhutani, V. K., Wong, R. J., Stevenson, D. K., McDonagh, A. F.  
2013; 74 (1): 54-60
  - **Should we screen newborns for glucose-6-phosphate dehydrogenase deficiency in the United States?** *JOURNAL OF PERINATOLOGY*  
Watchko, J. F., Kaplan, M., Stark, A. R., Stevenson, D. K., Bhutani, V. K.  
2013; 33 (7): 499-504
  - **Bilirubin nomogram, a prediction tool or natural history profile?** *Indian pediatrics*  
Bhutani, V. K.  
2013; 50 (4): 365-366
  - **Bilirubin neurotoxicity in preterm infants: risk and prevention.** *Journal of clinical neonatology*  
Bhutani, V. K., Wong, R. J.  
2013; 2 (2): 61-69
  - **Neuro-Developmental Disorders in India - An INCLen Study**  
Silberberg, D., Arora, N., Bhutani, V., Durkin, M., Gulati, S.

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- **Neuro-Developmental Disorders in India - An INCLEN Study**  
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LIPPINCOTT WILLIAMS & WILKINS.2013
- **Need remains for evidence-based reassurance for absence of bilirubin neurotoxicity with severe hyperbilirubinaemia.** *Evidence-based medicine*  
Bhutani, V. K.  
2013
- **Late preterm births: Major cause of prematurity and adverse outcomes of neonatal hyperbilirubinemia** *INDIAN PEDIATRICS*  
Bhutani, V. K.  
2012; 49 (9): 704-705
- **Neonatal phototherapy: choice of device and outcome** *ACTA PAEDIATRICA*  
Bhutani, V. K., Wong, R. J.  
2012; 101 (5): 441-443
- **The Need to Implement Effective Phototherapy in Resource-Constrained Settings** *SEMINARS IN PERINATOLOGY*  
Bhutani, V. K., Cline, B. K., Donaldson, K. M., Vreman, H. J.  
2011; 35 (3): 192-197
- **A Global Need for Affordable Neonatal Jaundice Technologies** *SEMINARS IN PERINATOLOGY*  
Slusher, T. M., Zipursky, A., Bhutani, V. K.  
2011; 35 (3): 185-191
- **The Clinical Syndrome of Bilirubin-Induced Neurologic Dysfunction** *SEMINARS IN PERINATOLOGY*  
Johnson, L., Bhutani, V. K.  
2011; 35 (3): 101-113
- **Severe Neonatal Hyperbilirubinemia and Adverse Short-Term Consequences in Baghdad, Iraq** *NEONATOLOGY*  
Hameed, N. N., Na' ma, A. M., Vilms, R., Bhutani, V. K.  
2011; 100 (1): 57-63
- **Universal bilirubin screening for severe neonatal hyperbilirubinemia** *5th Annual Meeting on Evidence vs Experience in Neonatal Practices*  
Bhutani, V. K., Vilms, R. J., Hamerman-Johnson, L.  
NATURE PUBLISHING GROUP.2010: S6-S15
- **Transcutaneous bilirubinometry reduces the need for blood sampling in neonates with visible jaundice** *ACTA PAEDIATRICA*  
Mishra, S., Chawla, D., Agarwal, R., Deorari, A. K., Paul, V. K., Bhutani, V. K.  
2009; 98 (12): 1916-1919
- **Hyperbilirubinemia in the Newborn Infant  $\geq$  35 Weeks' Gestation: An Update With Clarifications** *PEDIATRICS*  
Maisels, J., Bhutani, V. K., Bogen, D., Newman, T. B., Stark, A. R., Watchko, J. F.  
2009; 124 (4): 1193-98
- **Synopsis report from the pilot USA Kernicterus Registry.** *Journal of perinatology*  
Bhutani, V. K., Johnson, L.  
2009; 29: S4-7
- **Synopsis report from the Pilot USA Kernicterus Registry** *JOURNAL OF PERINATOLOGY*  
Bhutani, V. K., Johnson, L.  
2009; 29: S5-S7
- **Clinical report from the Pilot USA Kernicterus Registry (1992 to 2004)** *JOURNAL OF PERINATOLOGY*  
Johnson, L., Bhutani, V. K., Karp, K., Sivieri, E. M., Shapiro, S. M.  
2009; 29: S25-S45
- **A proposal to prevent severe neonatal hyperbilirubinemia and kernicterus** *JOURNAL OF PERINATOLOGY*  
Bhutani, V. K., Johnson, L.

2009; 29: S61-S67

- **Kernicterus in the 21st century: frequently asked questions** *JOURNAL OF PERINATOLOGY*  
Bhutani, V. K., Johnson, L.  
2009; 29: S20-S24
- **Performance Evaluation for Neonatal Phototherapy** *INDIAN PEDIATRICS*  
Bhutani, V. K.  
2009; 46 (1): 19-21
- **Developing a systems approach to prevent meconium aspiration syndrome: lessons learned from multinational studies** *1st International Conference on Meconium Aspiration Syndrome and Meconium-Induced Lung Injury*  
Bhutani, V. K.  
NATURE PUBLISHING GROUP.2008: S30-S35
- **Inhibition of heme oxygenase activity in newborn mice by azalanstat** *CANADIAN JOURNAL OF PHYSIOLOGY AND PHARMACOLOGY*  
Morisawa, T., Wong, R. J., Bhutani, V. K., Vreman, H. J., Stevenson, D. K.  
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- **The Jaundiced Newborn in the Emergency Department: Prevention of Kernicterus** *CLINICAL PEDIATRIC EMERGENCY MEDICINE*  
Bhutani, V. K., Johnson, L.  
2008; 9 (3): 149-59
- **Neonatal hyperbilirubinemia: Don't let glucose-6-phosphate dehydrogenase deficiency off the hook - Reply** *PEDIATRICS*  
Keren, R., Friedman, S., Bhutani, V.  
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- **A comparison of alternative risk-assessment strategies for predicting significant neonatal hyperbilirubinemia in term and near-term infants** *PEDIATRICS*  
Keren, R., Luan, X., Friedman, S., Saddlemire, S., Cnaan, A., Bhutani, V. K.  
2008; 121 (1): E170-E179
- **Efficacy of chromium mesoporphyrin in inhibiting heme oxygenase activity in heme-loaded newborn mice** *Western Regional Meeting of the American-Federation-for-Medical-Research*  
Morisawa, T., Xiao, H. H., Wong, R. J., Bhutani, V. K., Vreman, H. J., Stevenson, D. K.  
LIPPINCOTT WILLIAMS & WILKINS.2008: 198-98
- **Management of jaundice and prevention of severe neonatal hyperbilirubinemia in infants  $\geq$  35 weeks gestation** *NEONATOLOGY*  
Bhutani, V. K., Maisels, M. J., Stark, A. R., Buonocore, G.  
2008; 94 (1): 63-67
- **Efficacy of azalanstat in inhibiting heme oxygenase activity in newborn mice.** *8th Conference of the Western Student Medical Research Forum/Western Section of the American-Federation-for-Medical-Research/Western Association-of-Physicians/Western-Society-for-Pediatric-Research/Western-Society-for-Clinical-Investigation*  
Morisawa, T., Wong, R. J., Bhutani, V. K., Vreman, H. J., Stevenson, D. K.  
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- **Early inhaled nitric oxide therapy in premature newborns with respiratory failure** *NEW ENGLAND JOURNAL OF MEDICINE*  
Kinsella, J. P., Cutter, G. R., Walsh, W. F., Gerstmann, D. R., Bose, C. L., Hart, C., Sekar, K. C., Auten, R. L., Bhutani, V. K., Gerdes, J. S., George, T. N., Southgate, W. M., Carriedo, et al  
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- **A systems approach for neonatal hyperbilirubinemia in term and near-term newborns** *JOGNN-JOURNAL OF OBSTETRIC GYNECOLOGIC AND NEONATAL NURSING*  
Bhutani, V. K., Johnson, L. H., Schwoebel, A., Gennaro, S.  
2006; 35 (4): 444-455
- **Early recognition of neonatal hyperbilirubinemia and its emergent management** *SEMINARS IN FETAL & NEONATAL MEDICINE*  
Smitherman, H., Stark, A. R., Bhutani, V. K.  
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