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Clinical research in the field of neonatology and infant nutrition with particular interest on human milk, impact of gut flora on health of preterm infants, parenteral nutrition, oxidative stress markers in neonates, and optimization of postnatal growth in preterm neonates

Recent publications

- Aujoulat F, Roudière L, **Picaud JC**, Jacquot A, Filleron A, Neveu D, Baum TP, Marchandin H, Jumas-Bilak E. Temporal dynamics of the very premature infant gut dominant microbiota. *BMC Microbiol.* 2014 Dec 31;14(1):2320.
 - Loÿs CM, Maucort-Boulch D, Guy B, Putet G, **Picaud JC**, Haÿs S. Extremely low birth weight infants: how NICU teams can reduce postnatal malnutrition and prevent growth retardation. *Acta Paediatr.* 2013;102(3):242-8.
 - Cipierre C, Haÿs S, Maucort-Boulch D, Steghens JP, **Picaud JC**. Malondialdehyde adduct to hemoglobin: a new marker of oxidative stress suitable for full-term and preterm neonates. *Oxid Med Cell Longev* 2013;2013:694014.
 - Cipierre C, Haÿs S, Maucort-Boulch D, Steghens JP, **Picaud JC**. Adduct of malondialdehyde to hemoglobin: a new marker of oxidative stress that is associated with significant morbidity in preterm infants. *Oxid Med Cell Longev* 2013:901253.
 - Rozé JC, Darmaun D, Boquien CY, Flamant C, **Picaud JC**, Savagner C, Claris O, Lapillonne A, Mitanchez D, Branger B, Simeoni U, Kaminski M, Ancel PY. The apparent breastfeeding paradox in very preterm infants: relationship between breast feeding, early weight gain and neurodevelopment based on results from two cohorts, EPIPAGE and LIFT. *BMJ Open.* 2012;2(2):e000834.
 - Jalabert A, Grand A, Steghens JP, Barbotte E, Pigue C, **Picaud JC**. Lipid peroxidation in all-in-one admixtures for preterm neonates: impact of amount of lipid, type of lipid emulsion and delivery condition. *Acta Paediatr.* 2011;100(9):1200-5.
 - Grand A, Jalabert A, Mercier G, Florent M, Hansel-Esteller S, Cambonie G, Steghens JP, **Picaud JC**. Influence of vitamins, trace elements, and iron on lipid peroxidation reactions in all-in-one admixtures for neonatal parenteral nutrition. *JPEN J Parenter Enteral Nutr.* 2011;35(4):505-10.
 - Jacquot A, Neveu D, Aujoulat F, Mercier G, Marchandin H, Jumas-Bilak E, **Picaud JC**. Dynamics and clinical evolution of bacterial gut microflora in extremely premature patients. *J Pediatr.* 2011;158(3):390-6.
 - **Picaud JC**, Chapalain V, Paineau D, Zourabichvili O, Bornet FR, Duhamel JF. Incidence of infectious diseases in infants fed follow-on formula containing synbiotics: an observational study. *Acta Paediatr.* 2010;99(11):1695-700.
 - Roudière L, Jacquot A, Marchandin H, Aujoulat F, Devine R, Zorgniotti I, Jean-Pierre H, **Picaud JC**, Jumas-Bilak E. Optimized PCR-Temporal Temperature Gel Electrophoresis compared to cultivation to assess diversity of gut microbiota in neonates. *J Microbiol Methods.* 2009;79(2):156-65.
 - **Picaud JC**, Decullier E, Plan O, Pidoux O, Bin-Dorel S, van Egroo LD, Chapuis F, Claris O. Growth and bone mineralization in preterm infants fed preterm formula or standard term formula after discharge. *J Pediatr.* 2008;153(5):616-21, 621.e1-2.
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