

Top 50ish NICU Articles for JMOs at Monash Newborn

Suggested reading of sentinel articles for your NICU rotation and paediatric exams:

System	Subject	Article
Antenatal	Antenatal steroids	-Crowther, repeat ANS individual meta, PlosOne 2019 -Roberts, ANS, Cochrane 2020
	MgSO4	-Rouse, MgSO4 RCT, NEJM 2008 -Crowther, MgSO4 indiv meta, PlosOne 2017
DR	Delayed cord clamp & Umbilical cord milk	-Bhatt, Physiologic based cord clamping, J Phys 2013 -Tarnow Mordi, DCC v ICC, NEJM 2017 -Hooper, UCM in preterm lambs, ADC 2017 -Katheria, UCM v DCC and IVH, JAMA Peds 2019
	HR/SpO2 monitor in DR	-Dawson, SpO2 ranges, Peds 2010 -Katheria, ECG is faster than PO, Peds 2012
Resp	CPAP vs prophylactic surf	-Morley, COIN Trial, NEJM 2008 -Schmolzer, CPAP vs Surf meta, BMJ 2013
	MIST/LISA vs surfactant	-Kribs, LISA RCT, JAMA Peds 2015 -Aldana-Aguirre, meta-analysis, ADC 2016
	Apnea of prematurity	-Schmidt, CAP trial, NEJM 2007
	HFOV vs CV	-Courtney, HFOV v CV RCT, NEJM 2002 -Tingay, HFOV physiology, Am J Resp Crit Care 2006 -Cools, HFOV vs CV ind meta, Lancet 2010
	Volume targeting	-Sinha, VG vs PC, ADC 1997 -Klingenberg, VG vs PC, Cochrane 2017
	Oxygen targets	-Finer, Support trial oxygen, NEJM 2010 -Askie, NEOProm, JAMA 2018
	High flow vs CPAP	-Roberts, Hipster trial, NEJM 2016
	Postnatal steroids	-Doyle, Dex RCT, Peds 2007
	iNO	-Porta, Pulm vasodilators in NICU, Clin Peri 2012 -Finer, NINOS trial, NEJM 1997

CV	PDA Tx	-Schmidt, TIPPs trial, NEJM 2001 -Benitz, Time to accept null hypothes PDA, J Peri 2010 -Kluckow, DETECT trial, ADC 2014 -Pharande, Paracetamol for PDA, Pediatr Card 2018
	Post duct SpO ₂ screen	-Granelli, post ductal SpO ₂ , BMJ 2009
	Inotropes	-Giesinger, Hemodynamics/inotropes, Sem Peri 2016
FEN	Breastmilk	-Vohr, Benefits of breastmilk in ELBW, Peds 2006
	Hypoglycaemia	-Harris, Sugar Babies RCT, Lancet 2013 -McKinlay, 4.5yr old hypo outcomes, Jama Peds 2017
Neuro	HIE	-Gunn, Fetal lambs HIE cooling, Peds 1998 -Jacobs, ICE trial, ADC 2011 -Jacobs, HIE and hypothermia, Cochrane 2013
	Seizures	-Sharpe, Levetiracetam Versus Phenobarb, Peds 2020
	Preterm brain injury	-Volpe, Preterm brain injury, Lancet 2009 -Bolisetty, IVH & ND outcomes ELBW, Peds 2014 -Cizmeci, Early vs Late Ventricular Intervention 2 Year Outcomes 2020
	Neurodevelop F/U	-Doyle, Outcomes of infants 500–999g, ADC 2011 -Cheong, Postnatal long-term prognosis, Lancet 2018 -Synnes, Outcomes preterm at school age, Clin Peri 2018
	Assessment for CP	-Novak, Dx of CP review, JAMA Paeds 2017 -Olsen, Gen Move assess, Dev Med Child Neuro 2018
	ROP	-Mintz-Hittner, BEAT-ROP, NEJM 2011
	Pain and comfort	-Anand, NEOPAIN, Lancet 2004 -OSullivan, Sucrose RCT, ADC 2010 -Pineade, Neurosensory experience, J Peri 2017
Haem	pRBC threshold, premie	-Kirpalani, PINT trial, J Peds 2006
	PLT threshold, premie	-Curley, RCT PLT Premie, NEJM 2018

ID	Probiotics	-Jacobs, Probiotics and LOS, Peds 2013
	Sepsis screening	-Moorman, HeRO trial, J Peds 2011 -Kuzniewicz, Sepsis calculator, Jama Peds 2017
	IVIG	-Brocklehurst, IVIG for sepsis, NEJM 2011