# Appendix 5 Studies with high risk of bias and excluded studies

Studies with high risk of bias, page 1-4

Excluded studies, page 5-115

## Studies with high risk of bias

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| Adamo MA, Drazin D, Smith C, Waldman JB. Comparison of accidental and nonaccidental traumatic brain injuries in infants and toddlers: Demographics, neurosurgical interventions, and outcomes - Clinical article. Journal of Neurosurgery: Pediatrics 2009;4:414-419. | Lack of confessed cases/Risk of circularity/selection bias |
| Alexander R, Sato Y, Smith W, Bennett T. Incidence of impact trauma with cranial injuries ascribed to shaking. Am J Dis Child 1990;144:724-6. | Lack of confessed cases/Risk of circularity/selection bias |
| Barlow KM, Gibson RJ, McPhillips M, Minns RA. Magnetic resonance imaging in acute non-accidental head injury. Acta Paediatr 1999;88:734-40. | Lack of confessed cases/Risk of circularity/selection bias |
| Biousse V, Suh DY, Newman NJ, Davis PC, Mapstone T, Lambert SR. Diffusion-weighted magnetic resonance imaging in Shaken Baby Syndrome. Am J Ophthalmol 2002;133:249-55. | Lack of confessed cases/Risk of circularity/selection bias |
| Chabrol B, Decarie JC, Fortin G. The role of cranial MRI in identifying patients suffering from child abuse and presenting with unexplained neurological findings. Child Abuse Negl 1999;23:217-28. | Lack of confessed cases/Risk of circularity/selection bias |

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| Chen CY, Huang CC, Zimmerman RA, Yuh YS, Chen SJ, Chin SC, et al. High-resolution cranial ultrasound in the shaken-baby syndrome. Neuroradiology 2001;43:653-61. | Lack of confessed cases/Risk of circularity/selection bias |
| Dashti SR, Decker DD, Razzaq A, Cohen AR. Current patterns of inflicted head injury in children. Pediatr Neurosurg 1999;31:302-6. | Lack of confessed cases/Risk of circularity/selection bias |
| Feldman KW, Bethel R, Shugerman RP, Grossman DC, Grady MS, Ellenbogen RG. The cause of infant and toddler subdural hemorrhage: a prospective study. Pediatrics 2001;108:636-46. | Lack of confessed cases/Risk of circularity/selection bias |
| Haviland J, Russell RI. Outcome after severe non-accidental head injury. Arch Dis Child 1997;77:504-7. | Lack of confessed cases/Risk of circularity/selection bias |
| Holloway M, Bye AM, Moran K. Non-accidental head injury in children. Med J Aust 1994;160:786-9. | Lack of confessed cases/Risk of circularity/selection bias |
| Hoskote A, Richards P, Anslow P, McShane T. Subdural haematoma and non-accidental head injury in children. Childs Nerv Syst 2002;18:311-7. | Lack of confessed cases/Risk of circularity/selection bias |
| Jenny C, Hymel KP, Ritzen A, Reinert SE, Hay TC. Analysis of missed cases of abusive head trauma. Jama 1999;281:621-6. | Lack of confessed cases/Risk of circularity/selection bias |
| Keenan HT, Runyan DK, Marshall SW, Nocera MA, Merten DF. A population-based comparison of clinical and outcome characteristics of young children with serious inflicted and noninflicted traumatic brain injury. Pediatrics 2004;114:633-9. | Lack of confessed cases/Risk of circularity/selection bias |

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| Kelly P, Hayes I. Infantile subdural haematoma in Auckland, New Zealand: 1988-1998. New Zealand Medical Journal 2004;117. | Risk of circularity |
| Kemp AM, Stoodley N, Cobley C, Coles L, Kemp KW. Apnoea and brain swelling in non-accidental head injury. Arch Dis Child 2003;88:472-6; discussion 472-6. | Lack of confessed cases/Risk of circularity/Selection bias/NAHI group heterogeneous |
| Lee AC, So KT, Fong D, Luk SH. The shaken baby syndrome: review of 10 cases. Hong Kong Med J 1999;5:337-341. | Lack of confessed cases/Risk of circularity/selection bias |
| Mills M. Funduscopic lesions associated with mortality in shaken baby syndrome. J aapos 1998;2:67-71. | Lack of confessed cases/Risk of circularity/selection bias |
| Morad Y, Kim YM, Armstrong DC, Huyer D, Mian M, Levin AV. Correlation between retinal abnormalities and intracranial abnormalities in the shaken baby syndrome. Am J Ophthalmol 2002;134:354-9. | Lack of confessed cases/Risk of circularity/selection bias |
| Munger CE, Peiffer RL, Bouldin TW, Kylstra JA, Thompson RL. Ocular and associated neuropathologic observations in suspected whiplash shaken infant syndrome. A retrospective study of 12 cases. Am J Forensic Med Pathol 1993;14:193-200. | Lack of confessed cases/Risk of circularity/selection bias |
| Myhre MC, Grogaard JB, Dyb GA, Sandvik L, Nordhov M. Traumatic head injury in infants and toddlers. Acta Paediatr 2007;96:1159-63. | Lack of confessed cases/Risk of circularity/selection bias |
| Pierre-Kahn V, Roche O, Dureau P, Uteza Y, Renier D, Pierre-Kahn A, et al. Ophthalmologic findings in suspected child abuse victims with subdural hematomas. Ophthalmology 2003;110:1718-23. | Lack of confessed cases/Risk of circularity/Selection bias, no definition of SBS cases |

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| Pitetti RD, Maffei F, Chang K, Hickey R, Berger R, Pierce MC. Prevalence of retinal hemorrhages and child abuse in children who present with an apparent life-threatening event. Pediatrics 2002;110:557-62. | Lack of confessed cases/Risk of circularity/selection bias |
| Rao P, Carty H, Pierce A. The acute reversal sign: comparison of medical and non-accidental injury patients. Clin Radiol 1999;54:495-501. | Lack of confessed cases/Risk of circularity/selection bias |
| Riffenburgh RS, Sathyavagiswaran L. Ocular findings at autopsy of child abuse victims. Ophthalmology 1991;98:1519-24. | Lack of confessed cases/Risk of circularity/selection bias |
| Shannon P, Smith CR, Deck J, Ang LC, Ho M, Becker L. Axonal injury and the neuropathology of shaken baby syndrome. Acta Neuropathol 1998;95:625-31. | Mixed study group (confessed + verdict) /Risk of circularity/selection bias |
| Shugerman RP, Paez A, Grossman DC, Feldman KW, Grady MS. Epidural hemorrhage: is it abuse? Pediatrics 1996;97:664-8. | Lack of confessed cases/Risk of circularity/selection bias |
| Sieswerda-Hoogendoorn T, Robben SGF, Karst WA, Moesker FM, Van Aalderen WM, Lameris JS, et al. Abusive head trauma: Differentiation between impact and non-impact cases based on neuroimaging findings and skeletal surveys. European Journal of Radiology 2014;83:584-588. | Lack of confessed cases |
| Wells RG, Vetter C, Laud P. Intracranial hemorrhage in children younger than 3 years: Prediction of intent. Archives of Pediatrics and Adolescent Medicine 2002;156:252-257. | High risk of inclusions bias, group allocation bias |

## Excluded studies

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| American Academy of Pediatrics Committee on Infant and Preschool Child. Maltreatment of children. The battered child syndrome. Pediatrics 1972;50:160-2. | Not relevant study design: guidelines |
| Non-accidental injury. Bmj 1989;298:1179-80. | Not relevant study design: letter |
| American Academy of Pediatrics Committee on Child Abuse and Neglect: Shaken baby syndrome: inflicted cerebral trauma. Pediatrics 1993;92:872-5. | Not relevant study design: review |
| AAP statement on shaken baby syndrome. American Family Physician 1993;48:947. | Not relevant study design: AAP statement |
| Shaken baby syndrome: inflicted cerebral trauma. Committee on Child Abuse and Neglect, 1993-1994. Del Med J 1997;69:365-70. | Not relevant study design: review |
| Shaken baby syndrome: a caregiver's perspective. Nurs Spectr (Wash D C) 1997;7:10. | Not relevant study design: debate |
| Shaken babies. Lancet 1998;352:335. | Not relevant study design: letter |
| Pathology of nonaccidental brain injury. Arch Dis Child 2001;85:473. | Not relevant study design: letter |
| Joint statement on Shaken Baby Syndrome. Paediatr Child Health 2001;6:663-77. | Not relevant study design: debate |
| Shaken baby syndrome: rotational cranial injuries-technical report. Pediatrics 2001;108:206-10. | Not relevant study design: review |
| The Shaken Baby Syndrome: a multidisciplinary approach. Journal of Aggression, Maltreatment & Trauma 2001;5:xxiii. | Not relevant study design: review |

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| Abuse shows up in an infant's eyes. Nursing 2004;34:33-33. | Not relevant study design: commentary |
| Fragile bones or child maltreatment? Paediatrics and Child Health 2005;10:500. | Not relevant study design: guidelines |
| Clinical highlights. Innovations in practice: this nursing intervention can help prevent shaken baby syndrome. RN 2005;68:22-22. | Not relevant PIRO: prevention |
| Never, ever shake a baby! Kai Tiaki Nursing New Zealand 2010;16:10-10. | Not relevant study design: editorial |
| Child Abuse Prevention Program Wins NACHRI Award - A Journey. Pediatric Nursing 2011;37:145-146. | Not relevant PIRO: prevention |
| Vitreoretinal traction may be important in development of retinoschisis due to shaken baby syndrome... including commentary by Gold RS. Ocular Surgery News 2011;29:15-15. | Not relevant study design: commentary |
| Abedzadeh-Kalahroudi M, Talebian A, Jahangiri M, Mesdaghinia E, Mohammadzadeh M. Incidence of neonatal Birth injuries and related factors in Kashan, Iran. Archives of Trauma Research 2015;4. | Not SBS |
| Abeyakoon O, Connolly D. The encephalopathic child. Neuroradiology Journal 2010;23:137-138. | Not relevant study design: conference abstract |
| Acker SN, Partrick DA, Ross JT, Nadlonek NA, Bronsert M, Bensard DD. Head injury and unclear mechanism of injury: initial hematocrit less than 30 is predictive of abusive head trauma in young children. J Pediatr Surg 2014;49:338-40. | Not relevant PIRO: Hematocrit level to predict abusive head trauma |
| Acres MJ, Morris JA. The pathogenesis of retinal and subdural haemorrhage in non-accidental head injury in infancy: assessment using Bradford Hill criteria. Med Hypotheses 2014;82:1-5. | Not relevant study design: not a study |

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| Adams GG, Agrawal S, Sekhri R, Peters MJ, Pierce CM. Appearance and location of retinal haemorrhages in critically ill children. Br J Ophthalmol 2013;97:1138-42. | Differential diagnosis |
| Adams GG, Luthert PJ. Shaken baby syndrome. Br J Neurosurg 2003;17:16-7. | Not relevant study design: debate |
| Adamsbaum C, Barr M. Imaging in abusive head trauma: an in-depth look at current issues. Pediatr Radiol 2014;44 Suppl 4:S535-6. | Not relevant study design: letter to editor |
| Adamsbaum C, Husson B, Rey-Salmon C. Nonaccidental trauma. Intracranial injury resulting from child abuse. Pediatric Radiology 2012;42:S449-S450. | Not relevant study design: conference abstract |
| Adamsbaum C, Morel B, Ducot B, Antoni G, Rey-Salmon C. Dating the abusive head trauma episode and perpetrator statements: key points for imaging. Pediatr Radiol 2014;44 Suppl 4:S578-88. | Not relevant study design: review |
| Adamsbaum C, Rey-Salmon C. Shaken baby syndrome: Judicial admissions highlight chronic violence. Pediatric Radiology 2010;40 (6):1076. | Not relevant study design: conference abstract |
| Adeleye AO, Shoshan Y, Cohen JE, Spektor S. Ruptured middle cerebral artery aneurysm in an infant presenting as acute subdural hematoma: a Not relevant study design: case report. Pediatr Neurosurg 2008;44:397-401. | Differential diagnosis |
| Agrawal S, Peters MJ, Adams GG, Pierce CM. Prevalence of retinal hemorrhages in critically ill children. Pediatrics 2012;129:e1388-96. | Differential diagnosis |
| Aguilar Serrano A, Reyes Morillas M, Ráez Liébanas A, Ruiz Rodríguez C. The shaken baby syndrome. Revista de enfermería (Barcelona, Spain) 2006;29:6-10. | Language |

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| Akbarnia B, Torg JS, Kirkpatrick J, Sussman S. Manifestations of the battered-child syndrome. J Bone Joint Surg Am 1974;56:1159-66. | Not SBS |
| Albert DM, Blanchard JW, Knox BL. Ensuring appropriate expert testimony for cases involving the "shaken baby". Jama 2012;308:39-40. | Not relevant study design: review |
| Alexander R, Crabbe L, Sato Y, Smith W, Bennett T. Serial abuse in children who are shaken. Am J Dis Child 1990;144:58-60. | Not relevant PIRO: Serial abuse in children who are shaken |
| Alexander RC, Schor DP, Smith WL, Jr. Magnetic resonance imaging of intracranial injuries from child abuse. J Pediatr 1986;109:975-9. | <10 cases, no reference test |
| Alexander RC, Smith WL. Shaken baby syndrome. Infants & Young Children: An Interdisciplinary Journal of Special Care Practices 1998;10:1-9. | Not relevant study design: review |
| Altinok D, Saleem S, Zhang Z, Markman L, Smith W. MR imaging findings of retinal hemorrhage in a case of nonaccidental trauma. Pediatr Radiol 2009;39:290-2. | Not relevant PIRO: diagnostic of RH with MRI |
| Altman RL, Kutscher ML, Brand DA. The "shaken-baby syndrome". N Engl J Med 1998;339:1329-30. | Not relevant study design: letter |
| Altman RL, Brand DA, Forman S, Kutscher ML, Lowenthal DB, Franke KA, et al. Abusive head injury as a cause of apparent life-threatening events in infancy. Arch Pediatr Adolesc Med 2003;157:1011-5. | Not clear SBS |
| Alzahrani M, Ratelle J, Cavel O, Laberge-Malo M, Saliba I. Hearing loss in the shaken baby syndrome. Int J Pediatr Otorhinolaryngol 2014;78:804-6. | Not relevant PIRO: hearing loss |
| Ambade VN, Malani AP, Kukde HG, Meshram RN. A rare case of head injury associated with Albers | Differential diagnosis: bleeding related conditions |

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| Schonberg disease. J Forensic Leg Med 2007;14:92-5. | |
| Amritanshu K, Smriti S, Kumar V, Pathak A, Banerjee DP. Clinical profile and short-term outcome of hypoxic ischemic encephalopathy among birth asphyxiated babies in Katihar medical college hospital. Journal of Clinical Neonatology 2014;3:195-199. | Differential diagnosis |
| Annagur A, Altunhan H, Annagr BB, Ertugrul S, Ors R. Shaken baby syndrome suggestive of the diagnosis of osteogenesis imperfecta in newborn. European Journal of General Medicine 2013;10:173-177. | Not relevant PIRO: age |
| Apolo JO. Bloody cerebrospinal fluid: traumatic tap or child abuse? Pediatr Emerg Care 1987;3:93-5. | <10 cases, no reference test |
| Arlotti SA, Forbes BJ, Dias MS, Bonsall DJ. Unilateral retinal hemorrhages in shaken baby syndrome. J aapos 2007;11:175-8. | SBS not well defined |
| Arndt DH, Lerner JT, Matsumoto JH, Madikians A, Yudovin S, Valino H, et al. Subclinical early posttraumatic seizures detected by continuous EEG monitoring in a consecutive pediatric cohort. Epilepsia 2013;54:1780-8. | Not relevant PIRO: seizures |
| Asato N, Shimono T, Murakami T, Nishiguchi T, Miki Y. Two cases of shaken baby syndrome with diffuse hyperintense signal in the cerebrum on diffusion-weighted MRI. Japanese Journal of Clinical Radiology 2010;55:553-557. | Language |
| Ayoub DM, Hyman C, Cohen M, Miller M. A critical review of the classic metaphyseal lesion: traumatic or metabolic? AJR Am J Roentgenol 2014;202:185-96. | Not relevant PIRO: CML |

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| Aziz HA, Berrocal A, Sisk R, Murray T. Retinopathy of Prematurity and Shaken Baby Syndrome. J Pediatr Ophthalmol Strabismus 2009. | <10 cases, no reference test |
| Babbitt CJ, Halpern R, Liao E, Lai K. Hyperglycemia is associated with intracranial injury in children younger than 3 years of age. Pediatr Emerg Care 2013;29:279-82. | Not relevant PIRO: Serum glucose |
| Bach KP, Schouten-Van Meeteren AYN, Smit LME, Veenhuizen L, Gemke RJBJ. Intracranial haemorrhages in infants: Child abuse or a congenital coagulation disorder?. [Dutch]. Nederlands Tijdschrift voor Geneeskunde 2001;145:809-813. | Language |
| Bacopoulou F, Henderson L, Philip SG. Images in paediatrics. Menkes disease mimicking non-accidental injury. Archives of Disease in Childhood 2006;91:919-919. | Not relevant study design: case report |
| Baeesa SS, Jan MM. The shaken baby syndrome. Saudi Med J 2000;21:815-20. | Not relevant study design: review |
| Balasubramaniam S, Suan LK, Mohd Jamil F, Abdullah NK, Desa NM. Isolated sulfite oxidase deficiency, a rare neurodegenerative disorder which mimics hypoxic-ischemic encephalopathy. Journal of Pediatric Neurology 2012;10:67-71. | Not relevant PIRO: indextest |
| Banaszkiewicz PA, Scotland TR, Myerscough EJ. Fractures in children younger than age 1 year: importance of collaboration with child protection services. J Pediatr Orthop 2002;22:740-4. | Not relevant PIRO: fractures |
| Bandak FA. Shaken baby syndrome: a biomechanics analysis of injury mechanisms. Forensic Sci Int 2005;151:71-9. | Biomechanics |

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| Barber I, Kleinman PK. Imaging of skeletal injuries associated with abusive head trauma. Pediatr Radiol 2014;44 Suppl 4:S613-20. | Not relevant study design: review |
| Barber I, Perez-Rossello JM, Wilson CR, Kleinman PK. The yield of high-detail radiographic skeletal surveys in suspected infant abuse. Pediatr Radiol 2014. | Not relevant PIRO: Skeletal surveys |
| Bhardwaj G,Chowdhury V,Jacobs MB,Moran KT,Martin FJ, Coroneo MT. A systematic review of the diagnostic accuracy of ocular signs in pediatric abusive head trauma. Ophthalmology, 2010; 117 (5): 983-92.e17. | Not relevant study design: systematic review |
| Barlow KM, Minns RA. Annual incidence of shaken impact syndrome in young children. Lancet 2000;356:1571-2. | Not relevant study design: letter |
| Barnes PD. Imaging of nonaccidental injury and the mimics: issues and controversies in the era of evidence-based medicine. Radiol Clin North Am 2011;49:205-29. | Not relevant study design: review |
| Barnes PD, Galaznik J, Gardner H, Shuman M. Infant acute life-threatening event--dysphagic choking versus nonaccidental injury. Semin Pediatr Neurol 2010;17:7-11. | Differential diagnosis |
| Barnes PD, Krasnokutsky MV, Monson KL, Ophoven J. Traumatic spinal cord injury: accidental versus nonaccidental injury. Semin Pediatr Neurol 2008;15:178-84; discussion 185. | <10 cases. Not relevant population, no reference test |
| Baron MA, Bejar RL, Sheaff PJ. Neurologic manifestations of the battered child syndrome. Pediatrics 1970;45:1003-7. | <10 cases, not relevant index test, no reference test |
| Barr RG, Paterson JA, MacMartin LM, Lehtonen L, Young SN. Prolonged and unsoothable crying bouts | Not relevant PIRO: colic |

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| in infants with and without colic. J Dev Behav Pediatr 2005;26:14-23. | |
| Barr RG, Trent RB, Cross J. Age-related incidence curve of hospitalized Shaken Baby Syndrome cases: convergent evidence for crying as a trigger to shaking. Child Abuse Negl 2006;30:7-16. | Not relevant PIRO: SBS in relation to crying |
| Barry PW, Hocking MD. Infant rib fracture--birth trauma or non-accidental injury. Arch Dis Child 1993;68:250. | Not relevant study design: letter |
| Barsness KA, Cha ES, Bensard DD, Calkins CM, Partrick DA, Karrer FM, et al. The positive predictive value of rib fractures as an indicator of nonaccidental trauma in children. J Trauma 2003;54:1107-10. | Not relevant PIRO: rib fractures |
| Bartschat S, Richter C, Stiller D, Banschak S. Long-term outcome in a case of shaken baby syndrome. Med Sci Law 2015. | <10 cases, no reference test |
| Bechtel K, Stoessel K, Leventhal JM, Ogle E, Teague B, Lavietes S, et al. Characteristics that distinguish accidental from abusive injury in hospitalized young children with head trauma. Pediatrics 2004;114:165-8. | IHI, not well defined |
| Becker JC, Liersch R, Tautz C, Schlueter B, Andler W. Shaken baby syndrome: report on four pairs of twins. Child Abuse Negl 1998;22:931-7. | <10 cases, no reference test |
| Belfer RA, Klein BL, Orr L. Use of the skeletal survey in the evaluation of child maltreatment. Am J Emerg Med 2001;19:122-4. | Not relevant PIRO: fractures |
| Bennett HS, French JH. Elevated intracranial pressure in whiplash-shaken infant syndrome detected with normal computerized tomography. Clin Pediatr (Phila) 1980;19:633-4. | <10 cases, no reference test, not relevant population |

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| Bennett S, Ward M, Moreau K, Fortin G, King J, Mackay M, et al. Head injury secondary to suspected child maltreatment: results of a prospective Canadian national surveillance program. Child Abuse Negl 2011;35:930-6. | Not relevant study design: Incidence, demography |
| Benstead JG. Shaking as a culpable cause of subdural haemorrhage in infants. Med Sci Law 1983;23:242-4. | <10 cases, no reference test |
| Berger RP, Fromkin JB, Stutz H, Makoroff K, Scribano PV, Feldman K, et al. Abusive head trauma during a time of increased unemployment: a multicenter analysis. Pediatrics 2011;128:637-43. | Not relevant PIRO: background variables |
| Berkowitz CD. Pediatric abuse. New patterns of injury. Emerg Med Clin North Am 1995;13:321-41. | Not relevant study design: review |
| Berney J, Favier J, Froidevaux AC. Paediatric head trauma: influence of age and sex. I. Epidemiology. Childs Nerv Syst 1994;10:509-16. | Not relevant PIRO: epidemology |
| Bettle J, Herring J. Shaken babies and care proceedings. Family Law.A[undefined]pp1370 1370:A[undefined]pp1370-1374. | Not relevant study design: review |
| Betz P, Liebhardt E. Rib fractures in children--resuscitation or child abuse? Int J Legal Med 1994;106:215-8. | Not relevant PIRO: rib fractures |
| Betz P, Puschel K, Miltner E, Lignitz E, Eisenmenger W. Morphometrical analysis of retinal hemorrhages in the shaken baby syndrome. Forensic Sci Int 1996;78:71-80. | <10 cases, not relevant population |
| Bhardwaj G, Jacobs MB, Moran KT, Tan K. Terson syndrome with ipsilateral severe hemorrhagic retinopathy in a 7-month-old child. J aapos 2010;14:441-3. | Differential diagnosis |

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| Binenbaum G, Christian CW, Guttmann K, Huang J, Ying GS, Forbes BJ. Evaluation of Temporal Association Between Vaccinations and Retinal Hemorrhage in Children. JAMA Ophthalmol 2015:1-5. | Differential diagnosis |
| Binenbaum G, Christian CW, Ichord RN, Ying GS, Simon MA, Romero K, et al. Retinal hemorrhage and brain injury patterns on diffusion-weighted magnetic resonance imaging in children with head trauma. J aapos 2013;17:603-8. | Not relevant PIRO: technology |
| Binenbaum G, Evans SM, Lee V, Coats B. Evaluation of optic nerve compression as a potential cause of retinal hemorrhage in infants. Journal of AAPOS 2015;19:e37-e38. | Biomechanics |
| Binenbaum G, Forbes BJ. The eye in child abuse: key points on retinal hemorrhages and abusive head trauma. Pediatr Radiol 2014;44 Suppl 4:S571-7. | Not relevant study design: review |
| Binenbaum G, Mirza-George N, Christian CW, Forbes BJ. Odds of abuse associated with retinal hemorrhages in children suspected of child abuse. J aapos 2009;13:268-72. | Not SBS |
| Birca A, Carmant L. Association between infantile spasms and the "shaken-baby syndrome". Epilepsy Currents 2011;1). | Not relevant study design: conference abstract |
| Birca A, D'Anjou G, Carmant L. Association between infantile spasms and nonaccidental head injury. Journal of Child Neurology 2014;29:695-697. | Not SBS |
| Biron D, Shelton D. Perpetrator accounts in infant abusive head trauma brought about by a shaking event. Child Abuse Negl 2005;29:1347-58. | <10 cases, no reference test |

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| Bishop FS, Liu JK, McCall TD, Brockmeyer DL. Glutaric aciduria type 1 presenting as bilateral subdural hematomas mimicking nonaccidental trauma. Not relevant study design: case report and review of the literature. J Neurosurg 2007;106:222-6. | Differential diagnosis |
| Block RW, Lucey JF. Fillers... Brain hemorrhage in babies may not indicate violent abuse. Pediatrics. 2003;112:A30. | Not relevant study design: letter |
| Bloom E, Klein EJ, Shushan D, Feldman KW. Variable presentations of rickets in children in the emergency department. Pediatric Emergency Care 2004;20:126-130. | Differential diagnosis: Vitamine K |
| Blumenthal I. Shaken baby syndrome. Postgrad Med J 2002;78:732-5. | Not relevant study design: review |
| Boal DK. Metaphyseal fractures. Pediatr Radiol 2002;32:538-9. | Not relevant study design: letter |
| Bode-Janisch S, Bultmann E, Hartmann H, Schroeder G, Zajaczek JE, Debertin AS. Serious head injury in young children: birth trauma versus non-accidental head injury. Forensic Sci Int 2012;214:e34-8. | Differential diagnosis |
| Boeve WJ, Martijn A. Not relevant study design: case report 406. Scurvy. Skeletal Radiology 1987;16:67-69. | Not relevant study design: case report |
| Bonnier C, Mesples B, Gressens P. Animal models of shaken baby syndrome: revisiting the pathophysiology of this devastating injury. Pediatr Rehabil 2004;7:165-71. | Not redevant study design: animal models |
| Bonnier C, Nassogne M, Saint-Martin C, Mesples B, Kadhim H, Sébire G. Neuroimaging of | Not relevant PIRO: outcome, long term follow-up |

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| intraparenchymal lesions predicts outcome in shaken baby syndrome. Pediatrics 2003;112:808-814. | |
| Bonnier C, Nassogne MC, Evrard P. Outcome and prognosis of whiplash shaken infant syndrome; late consequences after a symptom-free interval. Dev Med Child Neurol 1995;37:943-56. | Not relevant PIRO: indextest, not about diagnostics |
| Bonnier C, Nassogne MC, Moulin D, Evrard P. Shaken baby syndrome review of the literature and UCL experience. Louvain Medical 1996;115:413-420. | Language |
| Botash AS, Blatt S, Meguid V. Child abuse and sudden infant death syndrome. Curr Opin Pediatr 1998;10:217-23. | Not relevant study design: review |
| Botash AS, Sills IN, Welch TR. Calciferol deficiency mimicking abusive fractures in infants: is there any evidence? J Pediatr 2012;160:199-203. | Not relevant study design: review |
| Botte A, Mars A, Wibaut B, De Foort-Dhellemmes S, Vinchon M, Leclerc F. [Two children with cerebral and retinal hemorrhages: do not diagnose shaken baby syndrome too rapidly]. Arch Pediatr 2012;19:42-6. | Differential diagnosis |
| Boulis ZF, Dick R, Barnes NR. Head injuries in children--aetiology, symptoms, physical findings and x-ray wastage. Br J Radiol 1978;51:851-4. | Not SBS |
| Boyle EL. Some orbital tissue injuries more common in shaken baby syndrome. Ocular Surgery News 2006;24:94-94. | Not relevant study design: commentary |
| Bradford R, Choudhary AK, Dias MS. Serial neuroimaging in infants with abusive head trauma: timing abusive injuries. J Neurosurg Pediatr 2013;12:110-9. | Not relevant PIRO: timing abusive injuries |

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| Braendstrup P. Vitreous haemorrhage in the newborn. A rare type of neonatal intraocular haemorrhage. Acta Ophthalmol (Copenh) 1969;47:502-13. | Differental diagnosis: viterous haemorrhage, not retinal haemorrhage |
| Breazzano MP, Unkrich KH, Barker-Griffith AE. Clinicopathological findings in abusive head trauma: analysis of 110 infant autopsy eyes. Am J Ophthalmol 2014. | No subgroup, age |
| Brennan LK, Rubin D, Christian CW, Duhaime AC, Mirchandani HG, Rorke-Adams LB. Neck injuries in young pediatric homicide victims. J Neurosurg Pediatr 2009;3:232-9. | Not relevant PIRO: spinal cord injury |
| Brenner SL, Fischer H. The shaken baby syndrome. J Neurosurg 1988;68:660-1. | Not relevant study design: letter |
| Brenner SL, Fischer H, Mann-Gray S. Race and the shaken baby syndrome: experience at one hospital. J Natl Med Assoc 1989;81:183-4. | Not relevant PIRO: race and SBS |
| Breysem L, Cossey V, Mussen E, Demaerel P, Van de Voorde W, Smet M. Fetal trauma: brain imaging in four neonates. Eur Radiol 2004;14:1609-14. | Not SBS |
| Brierley J, Peters MJ. Errors of fact and reasoning in consideration of shaken baby syndrome. Am J Forensic Med Pathol 2012;33:e12; author reply e12-4. | Not relevant study design: letter |
| Brousseau TJ, Kissoon N, McIntosh B. Vitamin K deficiency mimicking child abuse. J Emerg Med 2005;29:283-8. | Differential diagnosis |
| Brown CW, Akbar SP, Cooper JG. Things that go bump in the day or night: the aetiology of infant head injuries presenting to a Scottish Paediatric Emergency Department. Eur J Emerg Med 2014;21:447-50. | <10 cases, no reference test |

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| Brown GW, Malone P. Child head injuries: review of pattern from abusive and unintentional causes resulting in hospitalization. Alaska Med 2003;45:9-13. | Demography |
| Brown RH. The battered child syndrome. J Forensic Sci 1976;21:65-70. | Not relevant PIRO: law |
| Brown SM, Shami M. Optic disc neovascularization following severe retinoschisis due to shaken baby syndrome. Arch Ophthalmol 1999;117:838-9. | <10 cases, no reference group |
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