SHAKEN BABY SYNDROME

A MEDICAL DICTIONARY, BIBLIOGRAPHY, AND ANNOTATED RESEARCH GUIDE TO INTERNET REFERENCES

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Acknowledgements

The collective knowledge generated from academic and applied research summarized in various references has been critical in the creation of this book which is best viewed as a comprehensive compilation and collection of information prepared by various official agencies which produce publications on shaken baby syndrome. Books in this series draw from various agencies and institutions associated with the United States Department of Health and Human Services, and in particular, the Office of the Secretary of Health and Human Services (OS), the Administration for Children and Families (ACF), the Administration on Aging (AOA), the Agency for Healthcare Research and Quality (AHRQ), the Agency for Toxic Substances and Disease Registry (ATSDR), the Centers for Disease Control and Prevention (CDC), the Food and Drug Administration (FDA), the Healthcare Financing Administration (HCFA), the Health Resources and Services Administration (HRSA), the Indian Health Service (IHS), the institutions of the National Institutes of Health (NIH), the Program Support Center (PSC), and the Substance Abuse and Mental Health Services Administration (SAMHSA). In addition to these sources, information gathered from the National Library of Medicine, the United States Patent Office, the European Union, and their related organizations has been invaluable in the creation of this book. Some of the work represented was financially supported by the Research and Development Committee at INSEAD. This support is gratefully acknowledged. Finally, special thanks are owed to Tiffany Freeman for her excellent editorial support.
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FORWARD

In March 2001, the National Institutes of Health issued the following warning: "The number of Web sites offering health-related resources grows every day. Many sites provide valuable information, while others may have information that is unreliable or misleading." Furthermore, because of the rapid increase in Internet-based information, many hours can be wasted searching, selecting, and printing. Since only the smallest fraction of information dealing with shaken baby syndrome is indexed in search engines, such as www.google.com or others, a non-systematic approach to Internet research can be not only time consuming, but also incomplete. This book was created for medical professionals, students, and members of the general public who want to know as much as possible about shaken baby syndrome, using the most advanced research tools available and spending the least amount of time doing so.

In addition to offering a structured and comprehensive bibliography, the pages that follow will tell you where and how to find reliable information covering virtually all topics related to shaken baby syndrome, from the essentials to the most advanced areas of research. Public, academic, government, and peer-reviewed research studies are emphasized. Various abstracts are reproduced to give you some of the latest official information available to date on shaken baby syndrome. Abundant guidance is given on how to obtain free-of-charge primary research results via the Internet. **While this book focuses on the field of medicine, when some sources provide access to non-medical information relating to shaken baby syndrome, these are noted in the text.**

E-book and electronic versions of this book are fully interactive with each of the Internet sites mentioned (clicking on a hyperlink automatically opens your browser to the site indicated). If you are using the hard copy version of this book, you can access a cited Web site by typing the provided Web address directly into your Internet browser. You may find it useful to refer to synonyms or related terms when accessing these Internet databases. **NOTE:** At the time of publication, the Web addresses were functional. However, some links may fail due to URL address changes, which is a common occurrence on the Internet.

For readers unfamiliar with the Internet, detailed instructions are offered on how to access electronic resources. For readers unfamiliar with medical terminology, a comprehensive glossary is provided. For readers without access to Internet resources, a directory of medical libraries, that have or can locate references cited here, is given. We hope these resources will prove useful to the widest possible audience seeking information on shaken baby syndrome.

*The Editors*

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CHAPTER 1. STUDIES ON SHAKEN BABY SYNDROME

Overview

In this chapter, we will show you how to locate peer-reviewed references and studies on shaken baby syndrome.

Federally Funded Research on Shaken Baby Syndrome

The U.S. Government supports a variety of research studies relating to shaken baby syndrome. These studies are tracked by the Office of Extramural Research at the National Institutes of Health. CRISP (Computerized Retrieval of Information on Scientific Projects) is a searchable database of federally funded biomedical research projects conducted at universities, hospitals, and other institutions.

Search the CRISP Web site at http://crisp.cit.nih.gov/crisp/crisp_query.generate_screen. You will have the option to perform targeted searches by various criteria, including geography, date, and topics related to shaken baby syndrome.

For most of the studies, the agencies reporting into CRISP provide summaries or abstracts. As opposed to clinical trial research using patients, many federally funded studies use animals or simulated models to explore shaken baby syndrome.

E-Journals: PubMed Central

PubMed Central (PMC) is a digital archive of life sciences journal literature developed and managed by the National Center for Biotechnology Information (NCBI) at the U.S. National

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2 Healthcare projects are funded by the National Institutes of Health (NIH), Substance Abuse and Mental Health Services (SAMHSA), Health Resources and Services Administration (HRSA), Food and Drug Administration (FDA), Centers for Disease Control and Prevention (CDCP), Agency for Healthcare Research and Quality (AHRQ), and Office of Assistant Secretary of Health (OASH).

3 Adapted from the National Library of Medicine: http://www.pubmedcentral.nih.gov/about/intro.html.
Library of Medicine (NLM). Access to this growing archive of e-journals is free and unrestricted. To search, go to http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=Pmc, and type “shaken baby syndrome” (or synonyms) into the search box. This search gives you access to full-text articles. The following is a sample of items found for shaken baby syndrome in the PubMed Central database:


The National Library of Medicine: PubMed

One of the quickest and most comprehensive ways to find academic studies in both English and other languages is to use PubMed, maintained by the National Library of Medicine. The advantage of PubMed over previously mentioned sources is that it covers a greater number of domestic and foreign references. It is also free to use. If the publisher has a Web site that offers full text of its journals, PubMed will provide links to that site, as well as to sites offering other related data. User registration, a subscription fee, or some other type of fee may be required to access the full text of articles in some journals.

To generate your own bibliography of studies dealing with shaken baby syndrome, simply go to the PubMed Web site at http://www.ncbi.nlm.nih.gov/pubmed. Type “shaken baby syndrome” (or synonyms) into the search box, and click “Go.” The following is the type of output you can expect from PubMed for shaken baby syndrome (hyperlinks lead to article summaries):

- A 12-year ophthalmologic experience with the shaken baby syndrome at a regional children's hospital. 
  Author(s): Kivlin JD. 

- A window of opportunity: preventing shaken baby syndrome in A&E. 
  Author(s): Pantrini SA. 
• **Anatomy of the shaken baby syndrome.**  
  Author(s): Lancon JA, Haines DE, Parent AD.  

• **Axonal injury and the neuropathology of shaken baby syndrome.**  
  Author(s): Shannon P, Smith CR, Deck J, Ang LC, Ho M, Becker L.  

• **Calvarial thickening and dural changes following shunting for shaken baby syndrome.**  
  Author(s): Gill JR.  
  Source: Archives of Pathology & Laboratory Medicine. 2003 September; 127(9): 1081-2; Author Reply 1082.  

• **Can shaking alone cause fatal brain injury? A biomechanical assessment of the Duhaime shaken baby syndrome model.**  
  Author(s): Cory CZ, Jones BM.  

• **Case of shaken baby syndrome in Japan caused by shaking alone.**  
  Author(s): Asamura H, Yamazaki K, Mukai T, Ito M, Takayanagi K, Ota M, Fukushima H.  

• **Case study: shaken baby syndrome—one disorder with two victims.**  
  Author(s): D'Lugoff MI, Baker DJ.  

• **Controversies in shaken baby syndrome.**  
  Author(s): Taff ML, Boglioli LR, DeFelice JF.  
• Correlation between retinal abnormalities and intracranial abnormalities in the shaken baby syndrome.
  Author(s): Raj A.

• Correlation between retinal abnormalities and intracranial abnormalities in the shaken baby syndrome.
  Author(s): Gardner H.

• Correlation between retinal abnormalities and intracranial abnormalities in the shaken baby syndrome.
  Author(s): Morad Y, Kim YM, Armstrong DC, Huyer D, Mian M, Levin AV.

• Delayed white matter injury in a murine model of shaken baby syndrome.
  Author(s): Bonnier C, Mesples B, Carpentier S, Henin D, Gressens P.

• Dense vitreous hemorrhages predict poor visual and neurological prognosis in infants with shaken baby syndrome.
  Author(s): Matthews GP, Das A.

• Diffusion-weighted magnetic resonance imaging in Shaken Baby Syndrome.
  Author(s): Bioussé V, Suh DY, Newman NJ, Davis PC, Mapstone T, Lambert SR.

• Diffusion-weighted MRI in shaken baby syndrome.
  Author(s): Chan YL, Chu WC, Wong GW, Yeung DK.
• **Diffusion-weighted MRI in shaken baby syndrome.**
  Author(s): Lantz PE.

• **Dolls and shaken baby syndrome.**
  Author(s): Coats DK, Paysse EA.

• **Edmonton tackles shaken baby syndrome.**
  Author(s): Kent H.

• **Electroretinographic findings in infants with the shaken baby syndrome.**
  Author(s): Fishman CD, Dasher WB 3rd, Lambert SR.

• **Epiretinal membrane formation is a late manifestation of shaken baby syndrome.**
  Author(s): Ells AL, Kherani A, Lee D.

• **Evidence from proton magnetic resonance spectroscopy for a metabolic cascade of neuronal damage in shaken baby syndrome.**
  Author(s): Haseler LJ, Arcinue E, Danielsen ER, Bluml S, Ross BD.

• **Evidence-based medicine and shaken baby syndrome: part I: literature review, 1966-1998.**
  Author(s): Donohoe M.
• **Folk remedies and child abuse: a review with emphasis on caida de mollera and its relationship to shaken baby syndrome.**
  Author(s): Hansen KK.

• **Funduscopic lesions associated with mortality in shaken baby syndrome.**
  Author(s): Mills M.

• **Hidden abuse--shaken baby syndrome.**
  Author(s): Sourbeer MO.

• **Infant rat model of the shaken baby syndrome: preliminary characterization and evidence for the role of free radicals in cortical hemorrhaging and progressive neuronal degeneration.**
  Author(s): Smith SL, Andrus PK, Gleason DD, Hall ED.

• **Intraretinal hemorrhages and chronic subdural effusions: glutaric aciduria type 1 can be mistaken for shaken baby syndrome.**
  Author(s): Gago LC, Wegner RK, Capone A Jr, Williams GA.

• **Is race or ethnicity a predictive factor in Shaken Baby Syndrome?**
  Author(s): Sinal SH, Petree AR, Herman-Giddens M, Rogers MK, Enand C, Durant RH.

• **Late ophthalmic manifestations of the shaken baby syndrome.**
  Author(s): Han DP, Wilkinson WS.
- **Macular hole without hemorrhages and shaken baby syndrome: practical medicolegal documentation of children's eye trauma.**
  Author(s): Arnold RW.

- **Manifestations of the shaken baby syndrome.**
  Author(s): Kivlin JD.

- **Marked calvarial thickening and dural changes following chronic ventricular shunting for shaken baby syndrome.**
  Author(s): Lucey BP, March GP Jr, Hutchins GM.

- **Massive subdural haematomas in Menkes disease mimicking shaken baby syndrome.**

- **Morphometric analysis of retinal hemorrhages in the shaken baby syndrome.**
  Author(s): James DS, Leadbeatter S.

- **Morphometrical analysis of retinal hemorrhages in the shaken baby syndrome.**
  Author(s): Betz P, Pusche1 K, Miltner E, Lignitz E, Eisenmenger W.

- **MR imaging of shaken baby syndrome manifested as chronic subdural hematoma.**
  Author(s): Lee Y, Lee KS, Hwang DH, Lee IJ, Kim HB, Lee JY.
- **National Australian conference on shaken baby syndrome.**
  Author(s): Moran KT.

- **Neonatal shaken baby syndrome: an aetiological view from Down Under.**
  Author(s): Williams AN, Sunderland R.

- **Neonatal shaken baby syndrome—historical inexactitudes.**
  Author(s): Rushton DI.

- **Neonatal shaken baby syndrome—lessons to be learned.**
  Author(s): Knight DB.

- **Neuroimaging of intraparenchymal lesions predicts outcome in shaken baby syndrome.**
  Author(s): Bonnier C, Nassogne MC, Saint-Martin C, Mesplès B, Kadhim H, Sebire G.

- **Nonaccidental head injury in infants: “the shaken baby syndrome revisited”.**
  Author(s): Conway EE Jr.

- **Nonophthalmologist accuracy in diagnosing retinal hemorrhages in the shaken baby syndrome.**
  Author(s): Morad Y, Kim YM, Mian M, Huyer D, Capra L, Levin AV.
- **Ocular injuries in shaken baby syndrome.**  
  Author(s): Tsao K, Kazlas M, Weiter JJ.  

- **Ocular manifestations in shaken baby syndrome.**  
  Author(s): Wong JS, Wong PK, Yeoh RL.  

- **Ophthalmology of shaken baby syndrome.**  
  Author(s): Levin AV.  

- **Optic disc neovascularization following severe retinoschisis due to shaken baby syndrome.**  
  Author(s): Brown SM, Shami M.  

- **Optic nerve damage in shaken baby syndrome: detection by beta-amyloid precursor protein immunohistochemistry.**  
  Author(s): Gleckman AM, Evans RJ, Bell MD, Smith TW.  

- **Optic nerve sheath and retinal hemorrhages associated with the shaken baby syndrome.**  
  Author(s): Lambert SR, Johnson TE, Hoyt CS.  

- **Patterns of presentation of the shaken baby syndrome: four types of inflicted brain injury predominate.**  
  Author(s): Minns RA, Busuttil A.  
• Patterns of presentation of the shaken baby syndrome: subdural and retinal haemorrhages are not necessarily signs of abuse.
  Author(s): LeFanu J, Edwards-Brown R.

• Periadventitial extracranial vertebral artery hemorrhage in a case of shaken baby syndrome.
  Author(s): Gleckman AM, Kessler SC, Smith TW.

• Prognostic indicators for vision and mortality in shaken baby syndrome.
  Author(s): McCabe CF, Donahue SP.

• Public health RN takes on Shaken Baby syndrome.
  Author(s): Byron B.

• Race and the shaken baby syndrome: experience at one hospital.
  Author(s): Brenner SL, Fischer H, Mann-Gray S.

• Re: Shaken baby syndrome and hypothermia.
  Author(s): Allasio D, Fischer H.

  Author(s): Castiglia P.