

## 2010 Pediatric Pharmacology Reference List

Completing the PNCB 2009-2010 Pharmacology SAE, requires the use of Lexi Comp's *Pediatric Dosage Handbook*, a general pediatric textbook and/or a pharmacology textbook. Recommended texts are listed below along with some web-based and journal article references which may be helpful to you in answering the pharmacology questions. Journal articles and textbooks are NOT physically provided with the exercise, but may be utilized for item options. Many items have web sites to aid in the completion of the SAE. You are also encouraged to utilize the on-line package inserts and the CDC (Centers for Disease Control) and AAP (American Academy of Pediatrics) web sites. The majority of questions should be able to be answered from a variety of pediatric sources.

### Textbooks

Arcangelo VP, Peterson AM. *Pharmacotherapeutics for Advanced Practice: A Practical Approach*. 2<sup>nd</sup> ed. Philadelphia: Lippincott; 2005.

Brunton L, Blumenthal D, Buxton I, Lazo J, Parker K, eds. 11<sup>th</sup> ed. *Goodman and Gilman's The Pharmacological Basis of Therapeutics*. New York: McGraw-Hill; 2005.

Pickering LK, Baker CJ, Long SS, McMillan JA, eds. *Red Book: 2006 Report of the Committee on Infectious Diseases*. 27<sup>th</sup> ed. Elk Grove Village, Ill: American Academy of Pediatrics; 2006.

Edmunds MW, Mayhew MS. *Pharmacology for the Primary Care Provider*. 2<sup>nd</sup> ed. St. Louis: Mosby; 2005.

Helms RA, Quan DJ. *Textbook of Therapeutics: Drug and Disease Management*. Philadelphia: Lippincott Williams & Wilkins; 2006.

Springhouse Corporation. *Nurse Practitioner's Drug Handbook*. Springhouse, PA: Author; 2002.

Physicians' Desk Reference. 60<sup>th</sup> ed. Montvale, NJ: Thomson PDR; 2008.

Turkowski BB, Lance BR, Bonfiglio MF. *Drug Information Handbook for Advanced Practice Nursing: A Comprehensive Resource for all Nurse Practitioners, Nurse Midwives and Clinical Specialists*. 8<sup>th</sup> ed. Hudson, OH: Lexi-Comp, Inc.; 2007.

Wynne AL, Woo TM, Millard M, Fitzgerald MA. *Pharmacotherapeutics for Nurse Practitioner Prescribers*. 2<sup>ND</sup> ed. Philadelphia: F. A. Davis Company; 2007.

Yaffe SJ, Aranda JV. *Neonatal and Pediatric Pharmacology*. Philadelphia: Lippincott Williams & Wilkins; 2004.

### **Prescribing information:**

- PDRhealth. Physicians' Desktop Reference. Available at: <http://www.pdrhealth.com/home/home.aspx>
- PDR.net. Available at: <http://www.pdr.net/login/Login.aspx>
- MPR. Monthly Prescribing Reference. [database online]. London, England: Haymarket Group Ltd. Available at <http://www.prescribingreference.com>.
- Drugs.com. The most popular, comprehensive and up-to-date source of drug information online. Available at: <http://www.drugs.com/>.

### **For abstracts and journal articles:**

Journal articles are NOT physically provided with the exercise, but may be utilized for item options.

- Medscape, MD Consult, Google Scholar

- **A note about *Contemporary Pediatrics* articles:**

*Contemporary Pediatrics* is no longer available in paper format as a benefit to our CPNPs. The copyright costs for the articles for the 2009-2010 Pham SAE is not cost effective for the PNCB. Access is available to the *Contemporary Pediatrics* articles through the Modern Medicine web site. You may need to register for this access but it is free and easy. You need to register only once, if you have not registered already. Information on how to access the *Contemporary Pediatrics* articles follows:

Copy and paste this link into your web browser:

<http://contemporarypediatrics.modernmedicine.com/>

On the side bar hover over Issues

- Click on Digital Editions for issues from August 2008-July 2009 • Click on Past Issues for issues beginning April 2001 – August 2008.
- Browse to different issues by clicking on the number bar under the issue covers.
- Once you find the issue—click on the date (month/year) under that cover. (Ex: June 1, 2007)
- Browse to find the article in that issue and click on the title name.
- Navigate through the article pages by using the number bar at the bottom of the page.
- To access another article, use the Publications tab to get back to *Contemporary Pediatrics* journal.

You may Email, Print or Save an article, once you link to it.

## **For immunization, traveler's health, infectious disease information:**

- [www.cdc.gov/](http://www.cdc.gov/)

For black box warnings, adverse reactions, labeling issues for children

- US Food and Drug Administration. Best Pharmaceuticals for Children Act (BPCA). Available at: <http://www.fda.gov/Drugs/DevelopmentApprovalProcess/DevelopmentResources/ucm049867.htm>. Accessed October 7, 2009.
- US Food and Drug Administration. Guidance for Industry. Warnings and Precautions, Contraindications, and Boxed Warning Sections of Labeling for Human Prescription Drug and Biological Products - Content and Format. Available at: <http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/UCM075096.pdf>. Accessed October 7, 2009.
- Centers for Disease Control. Guide to Contraindications to Vaccination. Available at: [http://www.cdc.gov/vaccines/recs/vac-admin/downloads/contraindications\\_guide.pdf](http://www.cdc.gov/vaccines/recs/vac-admin/downloads/contraindications_guide.pdf). Accessed October 7, 2009.

### **Content Outline including web-based and journal article references**

#### **1. Drugs used to manage bacterial, fungal, parasitic, protozoal, viral and other infections, including immunizations. (Questions 1-14)**

Centers for Disease Control. Health Information for Travelers to Tanzania. Available at: <http://wwwn.cdc.gov/travel/destinationTanzania.aspx>. Accessed October 7, 2009.

Centers for Disease Control. Information for the public: Prescription Drugs for Malaria. Available at: <http://wwwn.cdc.gov/travel/contentMalariaDrugsPublic.aspx#atovatuqone>. Access October 7, 2009.

US Department of Health and Human Services, Public Health Service. Centers for Disease Control and Prevention. Health Information for International Travel 2008. Atlanta. Available at <http://wwwn.cdc.gov/travel/contentYellowBook.aspx>. Accessed October 7, 2009.

World Health Organization. Publications. Available at: <http://www.who.int/publications/en/>. Accessed October 7, 2009.

National Guideline Clearinghouse: Practice guideline for the diagnosis and management of skin and soft tissue infections. Available at: [http://www.guideline.gov/summary/summary.aspx?ss=15&doc\\_id=8206&nbr=4581](http://www.guideline.gov/summary/summary.aspx?ss=15&doc_id=8206&nbr=4581). Accessed October 7, 2009.

Centers for Disease Control. Immunization Schedules. Available at: [www.cdc.gov/vaccines/recs/schedules/default.htm](http://www.cdc.gov/vaccines/recs/schedules/default.htm). Accessed October 7, 2009.

Centers for Disease Control. Vaccine Recommendations for Infants and Children. Available at: <http://wwwn.cdc.gov/travel/yellowBookCh8-VacRecInfantsChidren.aspx>. Accessed October 7, 2009.

Gad A, Sheh S. Special immunization considerations of the preterm infant. *J Pediatr Health Care*. 2007;21(6):385-391.

Centers for Disease Control. Guide to Contraindications to Vaccination. Available at: [http://www.cdc.gov/vaccines/recs/vac-admin/downloads/contraindications\\_guide.pdf](http://www.cdc.gov/vaccines/recs/vac-admin/downloads/contraindications_guide.pdf). Accessed October 7, 2009.

Resolution No. 02/08-1. Advisory Committee on Immunization Practices. Vaccines for Children Program. Influenza. Vaccines to Prevent Influenza. Available at: [www.cdc.gov/vaccines/programs/vfc/downloads/resolutions/0208influenza.pdf](http://www.cdc.gov/vaccines/programs/vfc/downloads/resolutions/0208influenza.pdf). Accessed October 7, 2009. Accessed October 7, 2009.

December 1, 2007. Epstein R. Ticked off about armpit redness. *Contemp Pediatr*. 2007;24(12):29.

Center for Disease Control. Emerging Infectious Diseases. Issack MI, Ragavoodoo C. Hajj-related *Neisseria meningitidis* serogroup W-135 in Mauritius. Available at: <http://www.cdc.gov/ncidod/EID/vol8no3/01-0372.htm>. Accessed October 7, 2009.

Dalbavancin. Treatment for Skin and Structure Infection. Available at: [http://www.drugs.com/nda/dalbavancin\\_041221.html](http://www.drugs.com/nda/dalbavancin_041221.html). Accessed October 7, 2009.

Elston DM. Community acquired methicillin resistant *Staphylococcus aureus*. *J Am Acad Dermatol*. 2007;56(1):1-16.

Kaplan SL. Community acquired methicillin resistant *Staphylococcus aureus* infections in children. *Seminars in Pediatric Infectious Diseases*. 2006;17:113-119. PDF available for purchase at <http://www.sciencedirect.com/science/journal/10451870>. Accessed October 7, 2009.

The Medical Letter. Free online archives but available through registration. November 2006;48(1248). posaconazole (Noxafil) for invasive fungal infections and Extended-release minocycline (Solodyn) for acne. Available at: <http://www.medicalletter.org/html/archives2006.htm>. Accessed October 7, 2009.

## **2. Drugs used to manage cardiovascular conditions. (Questions 15-16)**

National High Blood Pressure Education Program. Available at: [http://www.nhlbi.nih.gov/about/nhbpep/nhbp\\_pd.htm](http://www.nhlbi.nih.gov/about/nhbpep/nhbp_pd.htm).

## **3. Drugs used to manage hematologic conditions. (Question 17)**

Deferasirox (Exjade). Novartis Pharmaceuticals Corporation. Product label. Available at: <http://www.fda.gov/cder/foi/label/2007/021882s002lbl.pdf>. Accessed October 7, 2009.

## **4. Drugs used to manage psycho-behavioral conditions. (Questions 18-21)**

Newcorn J, Ivanov I. Psychopharmacological treatment of attention-deficit/hyperactivity disorder and disruptive behavior disorders. *Pediatr Ann*. 2007;36(9):564-574.

October 1, 2007. Varley Christopher K. Getting to know your headmeds. *Contemp Pediatr*. 2007;24(10):85-102.

February 1, 2006. Ferren PM. Demystifying the black box warning on antidepressants: a protocol for safe prescribing in your practice. *Contemp Pediatr*. 2006;23(2):28-35.

Drug and Profile Reports. Lisdexamfetamine: A guide to its use in attention-deficit hyperactivity disorder in children. *Drugs and Therapy Perspective*. 2007;23(7):5-8.

**5. Drugs used to manage neurological conditions. (Questions 22-28)**

Migraine medication. Topamax (topiramate). Available at: [www.topamax.com](http://www.topamax.com). Accessed October 7, 2009.

Seizure medication. Depakote Sprinkle Capsules. Divalproex sodium. Available at: <http://www.rxabbott.com/pdf/dep2.pdf>. Accessed October 7, 2009.

National Association of Pediatric Nurse Practitioners. 2006. The KySS<sup>SM</sup> (Keep your children/yourself safe and secure). Guide to Child and Adolescent Mental Health Screening, Early Intervention and Health Promotion.

**6. Drugs used to manage pain and inflammatory conditions. (Questions 29-35)**

Use of Codeine By Some Breastfeeding Mothers May Lead To Life-Threatening Side Effects In Nursing Babies. Available at: <http://www.fda.gov/ForConsumers/ConsumerUpdates/ucm054717.htm>. Accessed October 7, 2009.

**7. Drugs to manage respiratory conditions. (Questions 36-47)**

Clinical Practice Guideline. Diagnosis and Management of Bronchiolitis. Subcommittee on Diagnosis and Management of Bronchiolitis. Endorsed by the American Academy of Family Physicians, the American College of Chest Physicians, and the American Thoracic Society. Available at: <http://aappolicy.aappublications.org/cgi/reprint/pediatrics;118/4/1774.pdf>. Accessed October 7, 2009.

Schwartz RH, Martin M. Oral dexamethasone: A multipurpose treatment in the ambulatory setting. *Infect Dis Child*. 2008;21(2):14.

Molodow RE. Croup. emedicine web site. Available at: <http://www.emedicine.medscape.com/article/962972-overview>. Accessed October 7, 2009.

National Heart, Lung and Blood Institute. Expert Panel Report3: Guidelines for the Diagnosis and Management of Asthma. Available at: <http://www.nhlbi.nih.gov/guidelines/asthma/asthgdln.pdf>. Accessed October 7, 2009.

Rance K. Understanding and implementing the new NHLBI asthma guidelines. *J Nurse Pract*. 2008;4(4):254-261.

**8. Drugs to manage gastrointestinal conditions. (Questions 48-51)**

Gastroesophageal Reflux Disease (GERD). Related Medications. Available at: <https://ssl.search.live.com/health/results.aspx?qu=heart+burn%7CFamotidine+Prilosec&cat=drug&focus=Famotidine+8619%7CPrilosec+9098&sa=2&st=20>. Accessed October 7, 2009.

Drugs.com. The most popular, comprehensive and up-to-date source of drug information online. Available at: <http://www.drugs.com/>. Accessed October 7, 2009.

**9. Drugs used to manage endocrine conditions. (Questions 52-58)**

Plan B (Levonorgestrel). Emergency Contraception. Available at: [www.go2planb.com](http://www.go2planb.com). Accessed October 7, 2009.

American Academy of Pediatrics Committee on Adolescence. Emergency contraception. *Pediatrics*. 2005;116(4):1026-1035. Available at: <http://pediatrics.aappublications.org/cgi/content/full/116/4/1026>. Accessed October 7, 2009.

**10. Drugs used to manage genitourinary and renal conditions. (Questions 59-60)**

June 1, 2006. Schulman S, Berry A. Helping the child with daytime wetting stay dry. *Contemp Pediatr*. 2006;23(6):64-80.

**11. Drugs used to manage dermatological conditions. (Questions 61-69)**

BenzaClin® Topical Gel (clindamycin - benzoyl peroxide gel). Prescribing Information. Sanofi-Aventis U.S. LLC. (2007) Prescribing Information. Dermik Laboratories: Bridgewater, NJ 08807 USA. Available at: <http://products.sanofi-aventis.us/benzaclin/benzaclin.html>. Accessed October 7, 2009.

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Dalbavancin. Available at: <http://www.drugs.com/condition/skin-and-structure-infection.html>. Accessed October 7, 2009.

Vicuron Pharmaceuticals Submits New Drug Application for Dalbavancin to U.S. Food and Drug Administration. Available at: [http://www.drugs.com/nda/dalbavancin\\_041221.html](http://www.drugs.com/nda/dalbavancin_041221.html). Accessed October 7, 2009.

Medline Plus: Drug Information: Clindamycin and Benzoyl Peroxide Topical. Available at: <http://www.nlm.nih.gov/medlineplus/print/druginfo/medmaster/a603021.html>. Accessed October 7, 2009.

November 1, 2007. Murphy D. Pediatric formula for tinea capitis. *Contemp Pediatr*. 2007;24(11):16.

US Food and Drug Administration. Guidance for Industry. Warnings and Precautions, Contraindications, and Boxed Warning Sections of Labeling for Human Prescription Drug and Biological Products - Content and Format. Available at: <http://www.fda.gov/downloads/Drugs/GuidanceComplianceRegulatoryInformation/Guidances/UCM075096.pdf>. Accessed October 7, 2009.

**12. Drugs used to manage electrolyte and nutritional conditions. (Question 70)**

**13. Drugs used to manage substance abuse and dependency—accidental and intentional ingestions and environmental exposures. (Question 71-72)**

Latex in Vaccine Packaging. Available at: [www.cdc.gov/vaccines/pubs/pinkbook/downloads/appendices/B/latex-table.pdf](http://www.cdc.gov/vaccines/pubs/pinkbook/downloads/appendices/B/latex-table.pdf). Accessed October 7, 2009.

**14. Drugs used to manage eye/ear/nose/throat conditions. (Questions 73-75)**

Protzko E, Bowman L, Abelson M, Shapiro A. Phase 3 safety comparisons for 1.0% azithromycin in polymeric mucoadhesive eye drops versus 0.3% tobramycin eye drops for bacterial conjunctivitis. *Investigative Ophthalmology and Visual Science*. 2007;48(8), 3425-3429. Available at: <http://www.iovs.org/cgi/reprint/48/8/3425>. Accessed October 7, 2009.

**15. Drugs used to manage allergic and immunologic disorders. (Questions 76-79)**

Aids Info Drug Database. The AIDSinfo Drug Database provides fact sheets on HIV/AIDS related drugs. The fact sheets describe the drug's use, pharmacology, side effects, and other information. The database includes: Approved and investigational HIV/AIDS related drugs. Available at: <http://aidsinfo.nih.gov/DrugsNew/Default.aspx?MenuItem=Drugs>. Accessed October 7, 2009.

Abstract. Perinatal zidovudine (AZT) exposure in PACTG 076 and long-term effect on hematologic parameters in HIV-exposed but uninfected children. Mofenson LM, Shapiro D, Muresan P, Fowler MG, McSherry G, van Dyke R; International Conference on AIDS. Available at: <http://gateway.nlm.nih.gov/MeetingAbstracts/ma?f=102280804.html>. Accessed October 7, 2009.

The Pediatric AIDS Clinical Trials Group (PACTG) is a self-governed organization with its own scientific agenda and process to determine what will be evaluated in its clinical trials. Available at: <http://www.niaid.nih.gov/Daids/pdatguide/pactg.htm>. Accessed October 7, 2009..

**16. Drugs used as complementary therapies. (Questions 80-81)**

Woo T. Pharmacology of cough and cold medicines. *J Pediatr Health Care*. 2008;22(2):73-79.

Austin E. Addressing sleep deprivation in college students. *Am J Nurse Pract*. 2008;12(6):34-45.

**17. General theory and concepts. (Questions 82-86)**

FDA MedWatch. MedWatch Online Voluntary Reporting Form (3500). Available at: <https://www.accessdata.fda.gov/scripts/medwatch/medwatch-online.htm>. Accessed October 7, 2009.

Vaccine Adverse Event Report System (VAERS) Frequently Asked Questions. Available at: <http://vaers.hhs.gov/index>. Accessed October 7, 2009.

Medscape Drug Interactions. Medscape & eMedicine Log In. Available at: [http://www.medscape.com/druginfo/druginterchecker?src=google&cm\\_mmc=google--Medscape+Drug+Interaction+Checker--Drug+Interaction+Checker--Drug+Drug+Interactions](http://www.medscape.com/druginfo/druginterchecker?src=google&cm_mmc=google--Medscape+Drug+Interaction+Checker--Drug+Interaction+Checker--Drug+Drug+Interactions). Accessed October 7, 2009.

Pediatric Drug Development. Available at: <http://www.fda.gov/Drugs/DevelopmentApprovalProcess/DevelopmentResources/ucm049867.htm>. Accessed October 7, 2009.

June 1, 2008. Broselow J, Luten R, Schuman A. Preventing medical errors in children. *Contemp Pediatr*. 2008;25(6):35-44.