

PETER UNDERWOOD, PHARM.D.

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CAREER PHILOSOPHY

To provide high-level clinical drug information by keeping abreast of current evidence-based medicine and pharmacotherapy principles and practices. To effectively communicate this drug information in verbal and written formats such that my audience not only learns, but can apply this information to other therapeutic dilemmas. To advance my own clinical and medical writing knowledge base by reading clinical literature, peer-reviewing literature, attending conferences, teaching workshops, and presenting lectures. I firmly believe that you learn the most when teaching others.

EDUCATION

- | | |
|--|-------------|
| <i>Medical Writing Core Curriculum Certification</i> | 2001 |
| American Medical Writers Association
Specialty Certification: Pharmaceutical Medical Writing | |
| <i>Doctor of Pharmacy</i> | 1985 - 1987 |
| University of Washington-Seattle, Seattle, WA
Specialty Areas Studied: Total Parenteral Nutrition, General Adult Medicine | |
| <i>ASHP Accredited General Residency in Hospital Pharmacy</i> | 1985 - 1987 |
| University of Washington Hospital - Harborview Medical Center, Seattle, WA | |
| <i>Bachelor of Science - Pharmacy</i> | 1979 - 1985 |
| University of Wisconsin-Madison, Madison, WI | |

EXPERIENCE

- | | |
|--|----------------|
| <i>Clinical Pharmacist & Lead Medical Writer</i> | 1996 - present |
| Jarosz Regulatory Services, Inc.
Whitewater, WI | |
| <i>Clinical Coordinator of Pharmacy Services</i> | 1996 - 1999 |
| Fort Atkinson Memorial Health Services
Fort Atkinson, WI | |
| <i>Clinical Pharmacist - Level III</i> | 1992 - 1995 |
| St. Francis Hospital, Evanston, IL
Inpatient practice sites: Adult General Medicine, Infectious Disease Service | |

EXPERIENCE (continued)

- Clinical Assistant Professor*** 1991 - 1992
Department of Pharmacy Practice, University of Illinois at Chicago
Clinical Pharmacist practice site: West Side Veterans Affairs Hospital, Chicago, IL
Inpatient practice sites: Adult General Medicine, Neurology
Ambulatory practice site: Neurology Clinics
- Clinical Pharmacist/Clinical Instructor*** 1987 - 1991
University of Wisconsin Hospital and Clinics, Madison, WI
Inpatient practice site: Adult General Medicine
Ambulatory practice site: Movement Disorders Clinic
- Pharmacy Resident*** 1985 - 1987
University of Washington Hospital, Seattle, WA
Harborview Medical Center, Seattle, WA

RELEVANT EXPERIENCES IN MEDICAL WRITING & REGULATORY AFFAIRS

- ***Primary author of multiple Expert Reports on the Clinical Documentation for pharmaceutical marketing applications***
Drugs included antibiotics, antivirals, antihypertensive agents, immunosuppressants, and anesthesia agents.
- ***Authored Orphan Designation Applications for the EU and the FDA for oncology & endocrinology indications***
- ***Authored several clinical overviews and clinical summaries***
Drugs included inhalational anesthetics, iron supplements, a tumor necrosis factor antagonist, antihypertensives, a lung surfactant, and a hyperparathyroidism agent.
- ***Prepared nonclinical overviews and preclinical summaries***
Drugs included a NSAID, an anesthetic agent, iron supplements, and a lung surfactant
- ***Prepared manuscripts published in peer-reviewed journals***
- ***Completed pharmacology sections of clinical trial applications***
- ***Prepared various Drug Master Files and related regulatory documentation***
- ***Completed the American Medical Writers Association Core Curriculum Certification in Pharmaceutical Medical Writing in October 2001***
- ***Regular peer reviewer for Pharmacotherapy, the official journal of the American College of Clinical Pharmacy. Peer reviews in the areas of pharmacokinetics, adult medicine, infectious diseases, and neuropharmacology.***

LECTURES

“Assuring Drug Safety”

Product Safety 487/687

University of Wisconsin - Whitewater

Department of Occupational and Environmental Health & Safety, April 2003-2006, 2008

“Bibliographic Software Basics” - Workshop

American Medical Writers Association Annual Meeting: 2000, 2001, 2002, 2004

DIA Medical/Technical Writing Conference, October 2002

Greater Chicago Area Chapter of AMWA Spring Conference, May 2000

***“Transferring Electronic Files To and From Clients the Right Way:
A Web-based Solution” - Roundtable***

American Medical Writers Association Annual Meeting, October 2004

“PDAs as Medical Writing Tools”

American Medical Writers Association Annual Meeting, November 2002

“Parenteral Opiates in Labor and Delivery: Kinetics, Dynamics, & Neonatal Effects”

Perinatology Grand Rounds

Meriter Hospital, Center for Perinatal Care, October 1998

“Drug Interactions That Matter 1998”

Scientific Lecture Series (ACCME continuing medical education)

Fort Atkinson Memorial Health Services, September 1998

“Medications for Parkinson’s Disease”

Fort Atkinson Area Parkinson’s Disease Support Group, December 1998

“Geriatric Pharmacology”

Madison Area Technical College, Growth and Development Nursing curriculum,

December 1997

“New Medications for Diabetes”

Fort Atkinson Area Diabetes Support Group, November 1997

“Common Sense Medication Management”

Jefferson Area Senior Center, November 1996

“Drug Interactions That Matter”

Professional Lecture Series (ACCME continuing medical education)

St. Francis Hospital, June 1994

“Geriatric Pain Control”

Medical Resident Conference, St. Francis Hospital, October 1994

“Cost Effective Antimicrobial Prescribing”

Medical Resident Conference, St. Francis Hospital, May 1994

“Geriatric Pharmacology and Pharmacokinetics”

Medical Resident Conference, St. Francis Hospital, September 1994

LECTURES (continued)

“Update on Drug Therapies for Parkinson’s Disease”

Professional Lecture Series (ACCME continuing medical education)
St. Francis Hospital, January 1993

“The Aminoglycosides”

Medical Resident Conference, St. Francis Hospital, November 1992

“Movement Disorders: Parkinson’s Disease”

University of Wisconsin Extension Services in Pharmacy - Teleconference course
ACPE, ACCME continuing education program for Pharmacists, Physicians,
Physician Assistants, Nurses and Allied Health Professionals.
“Management of Neurological Diseases,” June 1992

“Parkinson’s Disease”

Pharmacy-660 Therapeutics and Pharmacokinetics. University of Wisconsin,
April 1991

“Update on Drug Therapies for Parkinson’s Disease”

Madison Area Parkinson’s Disease Support Group, September 1991

“New Neurological Agents for Parkinson’s Disease”

University of Wisconsin Extension Services in Pharmacy - Teleconference course
ACPE, ACCME continuing education program for Pharmacists, Physicians,
Physician Assistants, Nurses and Allied Health Professionals.
“New Drugs and Therapeutic Approaches for the 1990’s,” May 1991

“Physician Cost Awareness Initiative - Cost Containment in Neuropharmacology”

University of Wisconsin Hospital Neurology Grand Rounds, February 1991

“Parenteral Nutritional Support of the Hospitalized Patient”

Pharmacy-550 Fluid and Electrolyte Therapy. Four hour lecture series to
undergraduate pharmacy students, University of Wisconsin: 1988, 1989, 1990, 1991

“Total Parenteral Nutrition”

Pharmacy Practice-662 Inpatient Clerkship-Externship. One hour lecture to pharmacy
senior clerkship students each academic quarter, University of Wisconsin: 1988, 1989, 1990,
1991

“Parenteral Nutritional Support of the Surgical Patient”

Physician Assistant Program - Surgery module. Two hour lecture to physician
assistant students, University of Wisconsin, 1988

SELECTED INSERVICES

Fort Atkinson Memorial Health Services

- | | |
|-----------------------|--|
| Physician Inservice | ▪ <i>Using PowerPoint for Medical Presentations</i> |
| Pharmacist Inservices | ▪ <i>Using the Internet for Drug Information</i>
▪ <i>Aminoglycoside Dosing</i> |

SELECTED INSERVICES (continued)

- Nursing Inservices
- *Pain Control in Labor and Delivery*
 - *Congestive Heart Failure Medications*

St. Francis Hospital

- Pharmacist Inservices
- *Drug Induced Liver Disease*
 - *Helicobacter and Peptic Ulcer Disease*
 - *Pelvic Inflammatory Disease*
 - *Aminoglycoside Pharmacokinetics*
 - *Vancomycin Pharmacokinetics*
 - *The Quinolones*
 - *The Macrolides*
 - *Status Epilepticus*
 - *Drug Induced Thrombocytopenia*

- Nursing Inservices
- *Pain Control in Labor and Delivery*
 - *Medication Administration in HIV Patients*
 - *Enoxaparin*
 - *Micromedex*
 - *Neuromuscular Blocking Agents*
 - *Drug Therapy for Status Epilepticus and Myasthenia*

University of Wisconsin Hospital & Clinics

- Pharmacist Inservices
- *Update on Parkinson's Disease*
 - *TPN Monitoring*

PUBLICATIONS & SPECIAL PROJECTS

- Kendall DM, Kaplan RA, Paulson CF, Parkes JL, Tideman AM. Accuracy and utility of a 10-test disk blood glucose meter. *Diabetes Res Clin Pract* 2005;67(1):29-35. (acknowledged for manuscript preparation assistance)
- Garg SK, Carter JA, Mullen L, Folker AC, Parkes JL, Tideman AM. The clinical performance and ease of use of a blood glucose meter that uses a 10-test disk. *Diabetes Technol Ther* 2004;6(4):495-502. (acknowledged for manuscript preparation assistance)
- Llach F. Paricalcitol: an updated review and guidelines for use. *Dial Transplant* 2001;30(10):654-60. (drafted manuscript)
- Llach F, Yudd M. Paricalcitol in dialysis patients with calcitriol-resistant secondary hyperparathyroidism. *Am J Kidney Dis* 2001;38(5 Suppl 5):S45-50. (drafted manuscript)
- Lindberg J, Martin KJ, Gonzalez EA, Acchiardo SR, Valdin JR, Soltanek C. A long-term, multicenter study of the efficacy and safety of paricalcitol in end-stage renal disease. *Clin Nephrol* 2001;56(4):315-23. (acknowledged for manuscript preparation assistance)

PUBLICATIONS & SPECIAL PROJECTS (continued)

- "Bibliographies as an Afterthought", GCAC AMWA Newsletter, Fall 2001
- "Treatment of Seasonal Rhinitis under USOC Guidelines", Ultracycling 1995, Vol. 4, No. 3.
- "Tacrine - Promises and Limitations", St. Francis Proceedings 1994
- Editor, St. Francis Lexicomp Hospital Formulary, 1995
- Coordinated protocol development, randomization, and blinding of a *Clostridium Difficile* treatment study, St. Francis Hospital
- Developed hospital specific Vancomycin dosing nomogram
- Developed hospital specific Aminoglycoside dosing nomogram
- Developed guidelines for intravenous Phenytoin use
- Unasyn DUE; developed criteria, processed DUE
- Quinolone DUE; developed criteria, processed DUE
- Aminoglycoside DUE; developed criteria, processed DUE
- Completed an in-house study of the effect of cefotetan and cefoxitin on picric acid serum creatinine assay; University of Washington Hospital

COMMITTEE MEMBER

American Medical Writers Association

Web Site and Internet Communications Committee (2003 - present)

Fort Atkinson Memorial Health Services

Pharmacy and Therapeutics Committee
Infection Control
Obstetrics Committee
Congestive Heart Failure Patient Education Committee
Web Site Development Committee

COMMITTEE MEMBER (continued)

St. Francis Hospital

Institutional Review Board
Pharmacy and Therapeutics Committee
Infection Control
Antibiotic Subcommittee to P&T
Editorial Board for St. Francis Proceedings
Pharmacy Nursing Committee
Pharmacy CQI Counsel

West Side Veterans Affairs Hospital

Neurology Quality Assurance Committee

University of Wisconsin Hospital & Clinics

Pharmacokinetics Committee
TPN Subcommittee to the Pharmacy and Therapeutics Committee

PHARMACIST LICENSURE

State of Washington	1985 - present
State of Wisconsin	1987 - present
State of Illinois	1992 - present
State of Colorado	1996 - present

PROFESSIONAL ORGANIZATIONS

Member

American College of Clinical Pharmacy
American Medical Writers Association
American Society of Health System Pharmacists

Committee Involvement

AMWA Website and Internet Communications Committee	2003 - present
American Medical Writers Association	
Web Site Development Committee	2000 - 2003
European Society of Regulatory Affairs	

Peer Reviewer

1999 - present
Regular peer reviewer for *Pharmacotherapy*, the official journal of the American College of Clinical Pharmacy. Peer reviews in the areas of pharmacokinetics, adult medicine, infectious diseases, and neuropharmacology.

HONORS

- Hoechst Roussel Award in Clinical Pharmacy, University of Washington, 1987
- Clinical Pharmacy Achievement Award, Wisconsin Society of Hospital Pharmacists, 1985
- Rho Chi Honor Society

INTERESTS & ACCOMPLISHMENTS

Bicycling, bicycle racing, and bicycle touring
Jazz Piano (currently studying with Gary Swerdlow, Swerdlow Music Studios)
Tennis (USTA 4.0 rating, USTA Certified Sectional Official)
Completed self-supported U.S. transcontinental bicycle trip 1995 (7116 miles)
Computers & technology

COMMUNITY SERVICE

Chair, Whitewater Bicycling Advocacy Committee, City of Whitewater, WI, 2001 to 2003

Rock Climbing Technical Advisory Committee for the Wisconsin Department of Natural Resources, 1999-2000

Transcontinental Bicycle Adventure; presentation given to 10 community service organizations, 1996 - 2000