

Curriculum Vitae
Marie A. Abate

WORK ADDRESS

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EDUCATIONAL BACKGROUND

- 1981 Doctor of Pharmacy, University of Michigan, Ann Arbor, Michigan
- 1979 Bachelor of Science in Pharmacy, University of Michigan, Ann Arbor, Michigan
- 1975 Associate of Applied Science in Medical Laboratory Technology, Macomb
County Community College, Clinton Township, Michigan

PROFESSIONAL EXPERIENCE

- 1998-present Chair, Assessment Committee, School of Pharmacy, West Virginia University
- 1991-present Professor of Clinical Pharmacy; Department of Clinical Pharmacy, School of
Pharmacy, West Virginia University, Morgantown, WV
- 1991-present Director of the Drug Information Center (name change in 2003 to WV Center for
Drug and Health Information), School of Pharmacy, West Virginia University,
Morgantown, WV.
- 2004-2007 Director of Assessment, School of Pharmacy, West Virginia University
- 2001-2002 Interim Chair, Department of Clinical Pharmacy, West Virginia University
- 1991-2001 Associate Chair, Department of Clinical Pharmacy; and Director of the Drug
Information Center, School of Pharmacy, West Virginia University, Morgantown,
WV.
- 1986-1991 Associate Professor of Clinical Pharmacy (with tenure, 1987)
- 1985-1986 Assistant Professor of Clinical Pharmacy and Associate Director of the Drug
Information Center, School of Pharmacy, West Virginia University, Morgantown,
WV.

- 1981-1985 Assistant Professor of Clinical Pharmacy and Assistant Director of the Drug Information Center, School of Pharmacy, West Virginia University, Morgantown, West Virginia
- 1980 Staff Pharmacist, Thrifty Pharmacy, East Detroit, Michigan
- 1978-1979 Pharmacy Intern, Read Pharmacy, Roseville, Michigan

PROFESSIONAL ORGANIZATIONS

American Association of Colleges of Pharmacy
 American Society of Health Systems Pharmacists
 Drug Information Association
 Lambda Kappa Sigma Pharmacy Fraternity
 Phi Kappa Phi Honor Society
 Rho Chi Honor Society

HONORS AND AWARDS

- 2006 Keynote speaker, White Coat Ceremony - Professionalism, University of Michigan College of Pharmacy
- 2006 One of 16 women selected by WVU Health Sciences Center for contributions to profession of pharmacy in West Virginia
- 1999 Honorable Mention - Innovations in Teaching, American Association of Colleges of Pharmacy
- 1998-1999 Teacher of the Year - Track-in PharmD Class
- 1993 Innovations in Teaching Award, American Association of Colleges of Pharmacy
- 1984 Lenard Gotlieb Pharmacy Award
- 1981 Julia E. Emmanuel Award for Scholarship, Service and Leadership
- 1978-1981 James B. Angell Scholar, University of Michigan
- 1979 Merck Award in Pharmacy for Outstanding Academic Achievement
 Upjohn Achievement Award for Outstanding Academic Achievement, Service and Leadership
- 1978 University of Michigan Alumni Award for Outstanding Academic Achievement
- 1974-1976 Dean's List, Macomb County Community College

PROFESSIONAL RESPONSIBILITIES

Service

Associate Chair, Department of Clinical Pharmacy, 1991 - 2002
 Interim Chair: September, 1996 - December, 1996, and July 1, 2001 - December 31, 2002
 Director, West Virginia Center for Drug and Health Information

Teaching

Coordinator/Primary Instructor
 Pharmacy 727 - Medical Literature Evaluation

Instructor (Team Taught)

Required Drug Information Experiential Clerkship - Pharm.D Students
 Pharmaceutical Care Lab I
 Pharmaceutical Care Lab II

Pharmaceutical Care Lab III
Pharmaceutical Care Lab VI

Guest Lecturer
Pharmacology 361 - Medical School Pharmacology

COMMITTEE RESPONSIBILITIES - UNIVERSITY/SCHOOL (Past few years)

2006-2007

Academic Integrity Committee - School
Assessment Committee, Chair - School
HSC - Center of Excellence in Women's Health Outreach Committee
HSC - Virtual Assessment Center Committee
HSC - Women in Science and Health Committee
Promotion and Tenure Departmental Review Committee - School
Renovation Team Committee - School

2005-2006

Academic Integrity Committee - School
Assessment Committee, Chair - School
HSC - Virtual Assessment Center Committee

2004-2005

Assessment Committee, Chair - School
Assessment Council - University
Faculty Handbook Committee - University
HSC - Virtual Assessment Center Committee
Technology Committee - School of Pharmacy

2003-2004

Self-Study Steering Committee, University Accreditation - University (responsible for drafting chapter describing all University programs, including learning assessment)
Assessment Council, Member and Chair (2004) - University
Undergraduate Programs Assessment Subcommittee, Chair - University
Assessment Committee, Chair - School
Technology Committee - School of Pharmacy
Executive Committee - School of Pharmacy

2002-2003

Self-Study Steering Committee, University Accreditation - University (responsible for drafting chapter dealing with all University programs, including learning assessment)
Assessment Council - University
Undergraduate Programs Assessment Subcommittee, Chair - University
Assessment Committee, Chair - School
Ad Hoc Promotion and Tenure Guidelines Development Committee - School of Pharmacy
Graduate and Research Advisory Committee - School of Pharmacy
Executive Committee - School of Pharmacy
Self-Study Steering Committee, School of Pharmacy Accreditation - School of Pharmacy
Curriculum Self-Study Committee - School of Pharmacy

PRESENTATIONS

- June, 2007 Plenary Speaker, Curriculum Development and Educational Assessment, AACP Institute, Snowbird, Utah
- June, 2007 Rubrics, Teaching Scholars Program – Summer Institute, WVU Health Sciences Center
- May, 2007 Plenary Speaker, Curriculum Development and Educational Assessment, AACP Institute, Leesburg, Virginia
- June, 2006 Rubrics, Teaching Scholars Program – Summer Institute, WVU Health Sciences Center
- May, 2006 Assessment Overview, Course and Clerkship Directors Training, WVU School of Medicine, West Virginia University
- December 2005 HealthTip (Htip) – Health Information on the Internet. Heritage Village Senior Apartments
- June, 2005 Rubrics, Teaching Scholars Program – Summer Institute, WVU Health Sciences Center
- June, 2005 Panel discussion on “Leadership Challenges & Approaches” - Summer Institute, WVU Health Sciences Center
- October, 2004 Rubrics. Health Sciences Center Faculty Development - Assessment Series, West Virginia University
- October, 2004 Assessment – Introduction, Principles, Approaches and Barriers,” WVU Department of Family Medicine Faculty Meeting,
- September, 2004 Assessment - Introduction, Principles, Approaches and Barriers. Health Sciences Center Faculty Development - Assessment Series, West Virginia University
- May, 2003 “Internet Cancer Information - Surf the Web Without Drowning,” Breast and Cervical Cancer Conference, Stonewall Jackson resort, Roanoke, WV
- April, 2003 “Internet Health Information - Surf the Web Without Drowning,” Internet information workshop, West Virginia Chapter, AARP, Charleston, WV
- December, 2002 “Starting Up a Course for New Faculty -- Outcome Statements, Measures and Assessment,” Faculty Development Program, WVU Health Sciences Center, Morgantown, WV
- November, 2002 “Programmatic Assessment,” School of Pharmacy Faculty Orientation session, Morgantown, WV

September, 2002	“Internet Cancer Information - Surf the Web Without Drowning,” Mountains of Hope - the West Virginia Comprehensive Cancer Coalition, Flatwoods, WV
September, 2002	“Internet Health Information - Surf the Web Without Drowning,” Internet information workshop, West Virginia Library Commission Librarian Conference, Jackson’s Mill, WV
July, 2002	“Teachers Primer Workshop,” Facilitator (invited), AACP Annual Meeting, Kansas City, MO
May, 2002	“Interactive Audience Response System,” Learning Extravaganza, Health Sciences Center, Lakeview Resort,
March, 2002	“Evaluation of Internet Medical Information,” Teaching Scholars Program, WVU Health Sciences Center, Morgantown, WV
November, 2001	“Outstanding Tips from Outstanding Teachers,” Faculty Development Program, WVU Health Sciences Center, Morgantown, WV
March, 2001	“Critically Analyzing Information Sources,” Teaching Scholars Program, WVU Health Sciences Center, Morgantown, WV
December, 1999	“Evaluating Medical Information on the Internet,” Presentation to WVU Health Sciences Center Faculty Scholars, Morgantown, WV
July, 1999	“Development of Computerized, Problem-Based Learning (PBL) Cases with Concept Map Integration” (invited poster), AACP Annual Meeting, Boston, MA
May, 1999	“Use of the Internet to Access Medical Information” (podium), American College of Physicians, West Virginia Affiliate, Morgantown, WV
November, 1997	“Computerization of Problem-Based Learning (PBL) Cases with Concept Map Integration,” FIPSE Project Directors Meeting (podium), Washington, D.C.
July, 1996	“A Problem-Based, Integrated Approach to Pharmacy Education in the Basic and Clinical Sciences,” AACP Annual Meeting, Reno, NV
June, 1996	“An Innovative Interactive Computer Program to Teach Critical Evaluation of Clinical Drug Studies,” Drug Information Association, San Diego, CA
June, 1996	“Development of an Interactive Instructional Program to Teach Critical Appraisal of the Pharmacokinetic Literature,” Drug Information Association, San Diego, CA

October, 1995 "Overview of "Evaluation of Clinical Drug Studies Program," Residency Training Committee - Dept. of Behavioral Medicine and Psychiatry, Morgantown, WV

March, 1995 "A Program to Teach Critical Evaluation of Published Drug Studies," WVU Computing and Technology Fair, Morgantown, WV

February, 1995 "Enhanced Drug Information Provision to West Virginia Dentists Through Pharmacy-Dentistry Collaboration," Charleston Area Dental Association, Charleston, WV

November, 1994 "Enhanced Drug Information Provision to West Virginia Dentists Through Pharmacy-Dentistry Collaboration," Martinsburg Area Dental Association, Martinsburg, WV

October, 1994 "Development of a Computer Program to Educate Students to Evaluate and Interpret Published Drug Studies" (poster and demonstration), Fund for the Improvement of Postsecondary Education (FIPSE) Project Directors Meeting, Washington, DC

October, 1994 "Computer Assisted Research Design and Evaluation" - Instructional Program Demonstration, Charleston Area Medical Center, CAMC Education Building, Charleston, WV

July, 1994 "Community Pharmacists', Pharmacy Externship Students', and Clinical Pharmacists' Use of Online Databases" (poster), AACP Annual Meeting, Albuquerque, New Mexico

April, 1994 "A Program to Evaluate Clinical Drug Studies," Research in Educational Technology Session, West Virginia University, Morgantown, WV

November, 1993 "Characterization of Community Pharmacists' Use of Online Information Databases" (poster), 17th Annual Symposium on Computer Applications in Medical Care, Washington, D.C., American Medical Informatics Association.

November, 1993 "Development of a Computer Program to Teach Critical Evaluation of Drug Studies" (poster), 17th Annual Symposium on Computer Applications in Medical Care, Washington, D.C., American Medical Informatics Association.

November, 1993 "Computer Applications in Medical Education: Teaching Critical Evaluation of Published Drug Studies" (poster), American Association of Medical Colleges Annual Meeting, Washington, D.C.

July, 1993 "An Innovative, Self-paced Computer Instructional Program to Teach Critical Evaluation of Published Drug Studies" (special podium

- presentation), American Association of Colleges of Pharmacy, San Diego, CA
- July, 1993 "An Innovative, Self-paced Computer Instructional Program to Teach Critical Evaluation of Published Drug Studies" (special poster session), American Association of Colleges of Pharmacy, San Diego, CA
- May, 1993 "Expanding Community Pharmacists' Access to Drug Information, NARD Rx Expo Workshop - National Association of Retail Druggists, Orlando, Florida
- March, 1993 "Teaching Students to Critically Evaluate Drug Studies with the Use of Authorware" (podium), Academic Computing Fair, WVU, Morgantown, WV
- December, 1992 "Opportunities for Expanding Pharmacists' Use of Online Information Databases," ASHP Midyear Clinical Meeting, Orlando, Florida
- October, 1992 "Starting a CBT Project: Teaching Students to Critically Evaluate Drug Literature with the Use of Authorware," Computer Based Learning Center Faculty Workshop, West Virginia University, Morgantown, West Virginia
- July, 1992 "The West Virginia Drug Information Center - A Tool for Your Practice," Annual Meeting, West Virginia Pharmacists Association, Morgantown, West Virginia
- November, 1991 "Characterization of End-User Searching by Physicians, Nurses, and Pharmacists," Seminar, University of Nebraska College of Pharmacy, Omaha, Nebraska
- November, 1990 "Characterization of End-User Searching by Physicians, Nurses, and Pharmacists," Graduate Seminar, School of Pharmacy, Morgantown, West Virginia
- November, 1990 "Characterization of End-User Searching by Private Practice Physicians, Nurses, and Pharmacists," Symposium on Computer Applications in Medical Care (SCAMC), Washington, D.C.
- August, 1990 "Recently Released Drugs - Fluconazole, Ketorolac, Omeprazole," Martinsburg, VA and Shenandoah Valley Pharmacists Association, Shepherdstown, West Virginia
- August, 1989 "Recently Released Drugs - Misoprostol, Nicardipine, Bupropion," Martinsburg VA and Shenandoah Valley Pharmacists Association, Hagerstown, Maryland
- July, 1989 "Evaluation of End-User Computer Searches," American Association of Colleges of Pharmacy, Platform Presentation, Portland, Oregon

April, 1989 "Recently Released Drugs - Nizatidine, Misoprostol, Nicardipine," Annual Alumni Spring Seminar, School of Pharmacy, Morgantown, West Virginia

June, 1988 "Drug Information Resources," Weston State Hospital Medical Staff, Weston, West Virginia

April, 1988 "Effect of Naproxen and Sulindac on the Blood Pressure Response to Atenolol," Poster Presentation, Society of General Internal Medicine, Arlington, Virginia

April, 1988 "Recently Released Drugs - Lovastatin, Fluoxetine, Lisinopril," Annual Alumni Spring Seminar, School of Pharmacy, Morgantown, West Virginia

December, 1987 "Drug Information Resources", "Treatment of Hypertension", "Laxatives and Antidiarrheal Agents," Audio (Tape) Presentations for Physician Assistant Program, Alderson-Broaddus College, West Virginia

May, 1987 "What You Would Like to Know About Your Medicines," Thomas E. Ashe, Jr. Memorial Senior Citizens Conference, 16th Annual, Jackson's Mill, West Virginia

May, 1987 "Drug Information References - An Overview," Spencer State Hospital, Spencer, West Virginia

April, 1987 "Hypertension and Its Treatment," Weston State Hospital Medical Staff, Weston, West Virginia

March, 1987 "Drug Information Sources for Pediatricians," Pediatric Grand Rounds, West Virginia University Hospitals, Inc.

December, 1986 "Antiinflammatory Drug Effects on Labetalol Action," Poster Presentation, American Society of Hospital Pharmacists Midyear Clinical Meeting, Las Vegas, Nevada

October, 1986 "Recently Released Drugs - Enalapril, Digoxin Immune Fab," Fayette Co. Pharmacists Association Meeting, Uniontown, Pennsylvania

May, 1986 "Drug Utilization and Awareness Review," Thomas E. Ashe, Jr. Memorial Senior Citizens Conference, 15th Annual, Jackson's Mill, West Virginia

April, 1986 "Recently Released Drugs - Enalapril, Suprofen, Ketoprofen," Annual Spring Seminar, School of Pharmacy, Morgantown, West Virginia

January, 1986 "The West Virginia University Drug Information Center - Its Purpose and Potential for Physicians," West Virginia State Medical Association Meeting, Charleston, West Virginia

November, 1985 "Drug and Food Interactions," Clay-Battelle Community Health Center, Blacksville, West Virginia

October, 1985	"Current Antihypertensive Therapy," Ohio-Marshall County Pharmaceutical Association Meeting, Wheeling, West Virginia
May, 1985	"New Advances in the Treatment of Hypertension," Medical Conference, Memorial Hospital, Cumberland, Maryland
	"Evaluation of Drug Literature," Hospital Pharmacy Staff Meeting, West Virginia University Hospitals, Inc., Morgantown, West Virginia
April, 1985	"Recently Introduced Drugs - Clavulanic Acid, Pentoxifylline, Maxzide ^R ," Annual Spring Seminar, School of Pharmacy, Morgantown, West Virginia
November, 1984	"Information Resources for Commonly Asked Questions," Preceptors Conference, West Virginia University, Morgantown, West Virginia
August, 1984	"Development and Evaluation of 'Advanced Therapeutics' for Nontraditional Pharm.D. Students," Poster Presentation, AACP Annual Meeting, Baltimore, Maryland
April, 1984	"New Drug Review," Harrison County Pharmacy Association Meeting, Nutter Fort, West Virginia
March, 1984	"Dual Responsibilities - The Patient's and Pharmacist's Understanding of Effective Hypertensive Therapy," School of Pharmacy Seminar, Wheeling, West Virginia
October, 1983	"New Drug Review - Ranitidine, Auranofin, Clavulanic Acid," Annual Fall Seminar, School of Pharmacy, Morgantown, West Virginia
	"Case Presentations," Nutrition and Dietetics Department Interns, University Hospital, Morgantown, West Virginia
September, 1983	"Management of Common Drug Overdoses," Medicine Residents Conference, University Hospital, Morgantown, West Virginia
April, 1983	"The Calcium Blockers and Guanabenz - Recent Advances in the Treatment of Cardiovascular Disorders," 22nd Annual Pharmacy Postgraduate Seminar, Morgantown, West Virginia
March, 1983	"Recent Advances in the Treatment of Cardiovascular Disorders," West Virginia Pharmacists Association Annual Meeting, Charleston, West Virginia
February, 1983	"Recently Introduced Drugs - A Selective Review," Marion County Pharmacy Association, Fairmont, West Virginia

- December, 1982 "Effect of Probenecid on Cimetidine Steady-State Kinetics," Poster presentation, American Society of Hospital Pharmacists Midyear Clinical Meeting, Los Angeles, California
"Clinical Pharmacology of Ara-C and VP-16," Nursing Staff, Seventh Floor, University Hospital, Morgantown, West Virginia
- November, 1982 "Recently Released Beta-Blockers," Braxton-Randolph-Tucker-Upshur Counties Pharmaceutical Association, Elkins, West Virginia
- October & November, 1982 "Clinical Pharmacology of AMSA and Cisplatin," Nursing Staff, Seventh Floor, University Hospital, Morgantown, West Virginia
- June, 1982 "Adverse Effects of Captopril," Medicine Interns and Residents, Morning Report, University Hospital, Morgantown, West Virginia
- May, 1982 "Potassium Supplements - Use and Administration," Nursing Staff, Seventh Floor, University Hospital, Morgantown, West Virginia
- April, 1982 "Recently Released Drugs - Verapamil, Nifedipine, Diltiazem, Atenolol, Timolol, Albuterol, Captopril, Sucralfate, Ketoconazole, Trazodone," Jefferson County Academy of Pharmacy 20th Annual Seminar, Steubenville, Ohio

"Beta-Blocking Agents," West Virginia Society of Hospital Pharmacists' Annual Spring Seminar, Morgantown, West Virginia
- March, 1982 National Medication Awareness Test, Open to Public, Morgantown, West Virginia
- February, 1982 "Oral Contraceptive Review," Lambda Kappa Sigma Pharmacy Fraternity, Morgantown, West Virginia
- December, 1981 "Development, Implementation, and Evaluation of a Pharmacist Oriented Course in Oncology," Poster presentation, American Society of Hospital Pharmacists Midyear Clinical Meeting, New Orleans, Louisiana
- October, 1981 Invited to present "Drug Information Services Workshop," West Virginia Society of Hospital Pharmacists Fall Seminar, Charleston, West Virginia

PUBLICATIONS

Book Chapters/Sections

Abate MA, Hildebrand JR. Clinical Drug Literature. In: Remington: The Science and Practice of Pharmacy, 21st ed. Philadelphia: Lippincott Williams & Wilkins; 2005. p. 74-86.

Abate MA, Ponte CD. Acute Diarrhea and Its Management, (facilitators guide also prepared). In: Schwinghammer TL, ed. *Pharmacotherapy Casebook: A Patient-Focused Approach*, 6th ed. New York: McGraw-Hill; 2005. p. 116-118.

Abate MA, Ponte CD. Diarrhea case study - Accentuation of Evacuation, (facilitators guide also prepared) In: *Pharmacotherapy: A Patient-Focused Approach*. 5th ed. Schwinghammer TL, Ed., Appleton & Lange: Connecticut, 2002, pgs. 113-115

Abate MA. Drug Information Resources & Literature Retrieval, In Book 5, *Pharmacotherapy Self-Assessment Program (PSAP) IV Science and Practice of Pharmacotherapy*, American College of Clinical Pharmacy, 2002, pgs. 1-34.

Abate MA. Drug Information Resources & Literature Retrieval - Answers to Self-Assessment Questions, In Answer Book, *Pharmacotherapy Self-Assessment Program (PSAP)*, 4th edition, American College of Clinical Pharmacy, 2002, pgs. 1-6

Abate MA, Hildebrand JR. Clinical Drug Literature and Evaluation of the Literature (Chapter 9), In "Remington: The Principles and Practice of Pharmacy; Gennaro A, Popovich N, eds.; Mack Publishing Company: Easton, pp. 70-80, 2000.

Abate MA. Reactions to the Study, In: *Study Commission on Pharmacy: A Road Map to a Profession's Future*. Worthen DB, Ed., Gordon & Breach: Amsterdam, 1999, pp. 87-104.

Abate MA, Ponte CD. Diarrhea case study, In: *Pharmacotherapy: A Patient-Focused Approach*. 2nd ed. Schwinghammer TL, Ed., Appleton & Lange: Connecticut, 1999.

Abate M.A. Diarrhea, In: *Pharmacotherapy: A Patient-Focused Approach*. Schwinghammer TL, Ed., Appleton & Lange: Connecticut, 1996, pp. 151-154.

Abate M.A. Diarrhea, In: *Instructor's Guide to Accompany Pharmacotherapy: A Patient-Focused Approach*. Schwinghammer TL, Ed. Appleton & Lange: Connecticut, 1996, pp. 77-79.

Abate MA. Syphilis, In: *Sex Care*. Covington TR, McClendon JF, eds. Simon and Schuster: New York, 1987

Abate MA. Ten drug interaction monographs (Quinidine-Aluminum Hydroxide, Warfarin-Glutethimide, Warfarin-Indomethacin, Vitamin D-Phenytoin, Isoniazid-Disulfiram, Tubocurarine-Propranolol, Warfarin-Griseofulvin, Warfarin-Vitamin K, Warfarin-Meprobamate, Tubocurarine-Propranolol, Warfarin-Griseofulvin, Warfarin-Vitamin K, Warfarin-Meprobamate, Tubocurarine-Quinidine), in *Evaluations of Drug Interactions, Third Edition*, Professional Drug Systems, Inc. 1984

Abate MA. Peptic Ulcer Disease. Corresponding Continuing Education Library. Kansas: Pharmat, Inc., 1982:1-18

Abstracts/Letters

Abate MA, Casdorff DL, Gannett P, Madhavan S, Scharman E, Stamatakis MK. Development and Implementation of a Comprehensive Programmatic Assessment Plan. 2001 AACP Annual Meeting, Toronto, Canada, July 2001.

Abate MA, Stout PJ, Dunsworth TS, Nardi A, Gannett P, Griffith RK. Development of Computerized Multidisciplinary Problem Based Learning Cases with Concept Map Integration; Fund for the Improvement of Postsecondary Education (FIPSE) Project Directors Meeting, October 1997; Abstract pg. 194.

Abate MA, Stout PJ, Dunsworth TS, Nardi A, Gannett P, Griffith RK. Development of Computerized Multidisciplinary Problem Based Learning Cases with Concept Map Integration; Fund for the Improvement of Postsecondary Education (FIPSE) Project Directors Meeting, October 1996; Abstract pg.194.

Stout PJ, Griffith R, Sarkar M, Dunsworth T, Abate MA, Nardi A. A Problem-Based, Integrated Approach to Pharmacy Education in the Basic and Clinical Sciences; Fund for the Improvement of Postsecondary Education (FIPSE) Project Directors Meeting, October 1995; FIPSE: Washington, DC; Abstract pg. 188.

Crout RM, Abate MA, Crout RJ, Dunsworth TS, Jacknowitz AJ, Smith NP, Wearden S. Assessment of Dentists' Medication Information Seeking Behavior and Needs; American Association of Dental Research (AADR), Annual Meeting, March 1995; J Dent Res 1995;74:114(No. 818).

Stout, PJ, Griffith, R, Sarkar, M, Dunsworth, T, Abate, MA, Nardi, A. A Problem-Based, Integrated Approach to Pharmacy Education in the Basic and Clinical Sciences; Fund for the Improvement of Postsecondary Education (FIPSE) Project Directors Meeting, October 1994; FIPSE: Washington, DC; Abstract pg. 184.

Abate MA, Jacknowitz AI, Shumway JM. Characterization of Community Pharmacists' Use of Online Information Databases, 17th Annual Symposium on Computer Applications in Medical Care, Washington, D.C., November 1993; American Medical Informatics Association, McGraw-Hill, Inc., p. 857.

Shumway JM, Abate MA, Jacknowitz AI. Development of a Computer Program to Teach Critical Evaluation of Drug Studies, 17th Annual Symposium on Computer Applications in Medical Care, Washington, D.C., November 1993; American Medical Informatics Association, McGraw-Hill, Inc., p. 967.

Abate MA. Development of a Computer Program to Educate Students to Evaluate and Interpret Published Drug Studies, FIPSE Project Directors' Meeting, October 1993; Fund for the Improvement of Post-secondary Education, U.S. Dept. of Educ., Washington, D.C.

Hammond D, Abate MA. Theophylline toxicity, acute illness and cefaclor administration. Letter. DICP - Ann Pharmacotherapy 1989;23:339-340.

Abate MA, Layne R, Neely J, D'Alessandri R. Effect of naproxen and sulindac on the blood pressure response to atenolol. Abstract. Clinical Research, 1988.

Rosenbluth SA, Abate MA, Brister CC, et al. Development and evaluation of 'Advanced Therapeutics' for nontraditional Pharm.D. students. Abstract. Am J Pharm Ed, Fall 1984.

Abate MA. Magnesium content of antacids. Am J Hosp Pharm 1981;38:1662 (letter).

Journal Articles

Blommel M, Abate MA. A rubric to assess critical literature evaluation skills. *Am J Pharm Educ* 2007;71(4): Article 63.

Abate MA, Blommel M. Self-assessment tool for drug information advanced pharmacy practice experience. *Am J Pharm Educ* 2007;71(1):Article 02.

Slain D, Abate M, Hodges BM, Stamatakis MS, Wolak S. An interactive response system to promote active learning in the doctor of pharmacy curriculum. *Am J Pharm Educ* 2004;68(5): Article 117.

Abate MA, Stamatakis MS, Hagggett RR. Excellence in curriculum development and assessment (invited paper). *Am J Pharm Educ* 2003;67(3; Article 89):1-21.

Jackowitz AI, Abate MA. Basic Bibliography - Gastrointestinal Disorders. *Hosp Pharm* 2002;37(4):433-434

Abate MA, Meyer-Stout PJ, Stamatakis MK, Gannett PM, Dunsworth TS, Nardi AH. Development and evaluation of computerized problem-based learning cases emphasizing basic sciences concepts. *Am J Pharm Educ* 2000;64:74-82.

Vanderveen RP, Abate MA, Haxby D. A literature evaluation course delivered via computer assisted instruction, electronic mail, and teleconferences: a case description. *Am J Pharm Educ* 1999;63:178-182.

Farid P, Abate MA. Is bupirone effective for smoking cessation?, *Ann Pharmacother* 1998;32:1362-1364.

Centurelli M, Abate MA. The role of dehydroepiandrosterone in AIDS, *Ann. Pharmacother* 1997;31:639-642.

Shumway JM, Jackowitz AI, Abate MA. Attitudes of community pharmacists, university-based pharmacists, and students toward on-line information resources, *Meth Inform Med* 1996;35:142-147.

Lee M, Abate MA, Fjortoft N, Linn A, Maddux M. Report of the task force on the recruitment and retention of pharmacy practice faculty. *Am J Pharm Educ* 1995;59 (Winter Supplement):28s-33s.

Baker, DE, Smith, GH, Abate, MA. Selected topics in drug information access and practice: An update. *Ann Pharmacother* 1994;28:1389-1394.

Jackowitz, AJ, Abate, MA. GI disorders. Basic Bibliographies. *Hosp Pharm* 1994;29:83-84.

Narducci, WA, Abate, MA, Boucher, BA, Chalmers, RK, Lin, AYP, Nappi, JM. Report of the section of teachers of pharmacy practice task force on faculty resource development and renewal. *Am J Pharm Educ* 1994;58:228-235.

McCormick, P, Abate, MA. Drugs and vitamin deficiencies. Foundation Focus (National Magazine of the Crohn's & Colitis Foundation of America), July 1994.

Abate, MA. Careers in pharmacy interview - Drug information Specialist. *Pharmacy Student* 1994;24:S18.

Abate MA, Jacknowitz AI, Shumway JM, Nardi AH. Development and evaluation of a computer-assisted instructional program to teach critical evaluation of drug studies. *Am J Pharm Educ* 1993;57:416-424.

Abate MA, Jacknowitz AI, Shumway JM. Use of two online services as drug information sources for health professionals. *Meth Inform Med* 1992;31:153-158.

Hedrick C, Abate MA. Astemizole effects on skin testing. *Ann Pharmacother* 1992;26:1388-1389.

Neely JL, Abate MA, Swinker M, D'Angio R. The effect of doxycycline on serum levels of ethinyl estradiol, norethindrone and endogenous progesterone. *Obstet Gynecol* 1991;77:416-420.

Abate MA, Neely JL, Layne R, D'Alessandri. Effect of indomethacin and sulindac on the blood pressure response to labetalol. *Br J Clin Pharmacol* 1991;31:363-366.

Ross J, Abate MA. Topical vancomycin for the treatment of staphylococcus epidermidis and methicillin resistant staphylococcus aureus conjunctivitis. *Ann Pharmacother* 1990;24:1050,1053.

Jacknowitz AI, Abate MA. Gastroenterology: a basic bibliography. *Hosp Pharm* 1990;25:696-697.

Abate MA, Jacknowitz AI, Shumway JM. Characterization of end-user computer searching by private practice physicians, pharmacists, and nurses. SCAMC^R Proceedings, Fourteenth Annual Symposium on Computer Applications in Medical Care. Miller RA, ed. IEEE Computer Society Press, CA. 1990;375-379.

Abate MA, Layne R, Neely J, D'Alessandri R. Effect of naproxen and sulindac on the blood pressure response to atenolol. *DICP - Ann Pharmacotherapy* 1990;24:810-813.

Shumway JM, Jacknowitz AI, Abate MA. Analysis of physicians', pharmacists', and nurses' attitudes toward the use of computers to access drug information. *Meth Inform Med* 1990;29:99-103.

Abate MA, Jacknowitz AI, Shumway JM. Information sources utilized by private practice and university physicians. *Drug Information Journal* 1989;23:309-319.

Abate MA, Shumway JM, Jacknowitz AI, Sinclair G. A method for recording and evaluating end-user searches on a personal computer. *Bull Med Libr Assoc* 1989;77:381-383.

Abate MA. Peptic ulcer disease and its treatment. *NARD Journal* 1988; 110(10):25-27.

Jackowitz A, Abate MA. Gastroenterology: a basic bibliography. Hospital Pharmacy 1988;23:187-188.

Storm A, Abate MA. Doxepin use for the treatment of urticaria. Drug Intell Clin Pharm 1987;21:434-435.

Abate MA. Drug information resources for patient counseling. West Virginia Pharmacist 1987;11(2):7-9.

Abate MA. Medical management of cholesterol gallstones. Drug Intell Clin Pharm 1986;20:106-115.

Shaftic AA, Widdup LL, Abate MA, Jackowitz AI. Nifedipine-induced gingival hyperplasia. Drug Intell Clin Pharm 1986;20:602-605.

Abate MA, Moore TL. Monoctanoin use for gallstone dissolution. Drug Intell Clin Pharm 1985;19:708-713.

Abate MA. Calcium channel blocker use for the treatment of raynaud's phenomenon - drug information forum. WV Pharm 1984;8(1):21-22.

Peters ER, Abate MA. Vitamin A use for cancer prevention and treatment - drug information forum. WV Pharm 1983;7(3):3-4.

Abate MA. Pindolol and guanabenz - new antihypertensive agents. Clinical Practice 1983;18(4):27.

Abate MA. The hospital pharmacist: dealing with nosocomial infections. Tomorrow's Pharmacist 1983;5(4):9-13.

Abate MA, Cohen IA, Johnson CE, Shannon M. Development, implementation, and evaluation of a modular approach to a pharmacist oriented course in oncology. Am J Pharm Educ 1982;46:42-45.

Abate MA, Hyneck M, Cohen IA, Berardi R. Cimetidine pharmacokinetics. Clin Pharm 1982;1:225-233.

Abate MA. Acute myocardial infarction and beta-blocker use. WV Pharm 1982;6(2):7,10.

Abate MA. Beta-blocker use following acute myocardial infarction. Clinical Practice 1982;17(7):51.

Cohen IA, Keller JH, Abate MA. The management of breast cancer. Clin Pharm 1982;1:515-529.

Drugdex Consults

"Atropine-effect on biliary tract." In: Connor CS, Rumack BH, eds. Drugdex Information System, 1988.

"Intraamniotic infusion of hypertonic saline or urea for therapeutic abortion." In: Connor CS, Rumack BH, eds. Drugdex Information System, 1987.

Abate MA. "Pressor agents - use in septic shock." In: Connor CS, Rumack BH, eds. Drugdex Information System. Englewood, CO: Micromedex, Inc., 1986.

Abate MA. "Caprystatin^R - efficacy in candidiasis." In: Connor CS, Rumack BH, eds. Drugdex Information System. Englewood, CO: Micromedex, Inc., 1986.

Abate MA. "Hyperbaric O₂ therapy of multiple sclerosis." In: Connor CS, Rumack BH, eds. Drugdex Information System. Englewood, CO: Micromedex, Inc., 1985.

Book Reviews/Other

Abate MA. Book review of Basic Skills in Interpreting Laboratory Data, 3rd Edition, American Society of Health-System Pharmacists, July, 2006

Abate M.A. Window on the Pharmacist (definition of a Pharmacist), In: "The Miller-Keane Encyclopedia & Dictionary of Medicine, Nursing, & Allied Health." Eoyang T., Ed. W.B. Saunders Company: Philadelphia, 1996.

Abate MA. Book review of Remington: The Science and Practice of Pharmacy, 19th ed., Am J Pharm Educ, November 1995

Abate, MA. Book review of Handbook of Nonprescription Drugs and Case Studies Workbook. Am J Pharm Educ 1994;58:5.

Abate MA. Book review of "Applied Therapeutics: The Clinical Use of Drugs. Fifth Edition," edited by Koda-Kimble and Young, Applied Therapeutics, Inc. Ann Pharmacother 1992;26:1020.

Abate MA. Book review of "USAN and the USP Dictionary of Drug Names, 1992" edited by Fleeger, US Pharmacopeial Convention. J Pharm Technol 1992;8:4.

Abate MA. Book review of "Applied Therapeutics: The Clinical Use of Drugs" edited by Young, Koda-Kimble, Applied Therapeutics, Inc. DICP, Ann Pharmacotherapy 1989;23:262.

Abate MA. Book review of "Instructions for Patients" by H. Winter Griffith, W.B. Saunders Company. Am Pharm 1983;NS23(9):52.

Abate MA. Book review of "Side Effects of Drugs Annual 7" edited by Dukes, Excerpta Medica. Am J Pharm Ed 1983;47:468-469.

Abate MA. Book review of "Peptic Ulcer" by D.W. Piper, ADIS Press. Clin Pharm 1983;2:191-192.

Drug Information Bulletin/Newsletter Articles

Kane S., Abate M.A., "Precose[®] (Acarbose)," New Drug Update. 1996;II:1-2. (Drug newsletter)

Abate MA. Drug Information Bulletin, School of Pharmacy, West Virginia University, 1981-1993: (numerous articles)

Abate MA. Pharmacy and Therapeutics Committee Drug Reviews, WVU Hospitals, Inc.

Acebutolol, 1985

Amoxicillin/Potassium Clavulanate, 1985

Heparin/Dihydroergotamine, 1985

Levobunolol, 1986

Theophylline Products, 1986

Oral Potassium Supplements, 1986

EDITORIAL/CONSULTANT/REVIEWER/OTHER PROFESSIONAL SERVICE ACTIVITIES

Chair, Academic Affairs Committee, American Association of Colleges of Pharmacy, 2005-2006

Panel Chair, New Investigator Program for AACP (proposal review), 2005-2006

Member, NAPLEX Review Committee, 2004-present

Member, CAPE Outcomes Task Force, AACP, 2004-present

Member, Editorial Board, American Journal of Health-Systems Pharmacy, 2003-2006

Member, Advisory Board, PDR Monthly Prescribing Guide, 2001-2006

Member, Editorial Advisory Panel - Panel on Bioinformatics, The Annals of Pharmacotherapy, - 2003 - present

Member, AACP Ad Hoc Committee - Faculty Recruitment, Retention, and Development, 2002-2003

Member, Editorial Advisory Panel - Panel on Drug Information, The Annals of Pharmacotherapy, 1998-2003

Chair (1992-1997) Member (1998-2003), Editorial Advisory Panel - Panel on Drug Information, The Annals of Pharmacotherapy

Co-editor, Drug Information Rounds column, The Annals of Pharmacotherapy, 1995-present

Member, Therapeutic Information Management Advisory Panel, USP, Rockville, MD, term = 1995-2000

Member - Subcommittee on Evidence Based Off-Label Uses, USP, Rockville, MD, 1997-1998

Member, Academic Affairs Committee, AACP, 1996-1997

Member, New Investigators Program Proposal Review Committee, AACP Section of Teachers of Pharmacy Practice, 1996

Member, Computer Technologies Committee, AACP Council of Faculties, 1996

Item (Question) Writer, National Association of Boards of Pharmacy, 1995

Member, Task Force on the Recruitment and Retention of Pharmacy Practice Faculty, AACP Section of Teachers of Pharmacy Practice, 1994-present

Member, Panel on Drug Information Science, USP, Rockville, MD, term = 1990-1995

Member, Task Force on Faculty Resource Development and Renewal, AACP Section of Teachers of Pharmacy Practice, 1991-1993

Member, Standing Rules Committee, AACP Council of Faculties, 1992-1993

Member, Bylaws and Policy Development Committee, AACP, 1992-1993

Member, Panel of Drug Information Instructors to Develop a Consensus for Drug Information Instruction for a 6 Year Entry Level Degree Program, 1991

Member, Contributed Paper Review Committee, AACP, Section of Teachers of Pharmacy Practice, 1990-1991

Chair (1990-1991) and Past-Chair (1991-1993), Regional Advisory Council for Regional Medical Library, Baltimore, MD

Member, Regional Advisory Council for Regional Medical Library, Baltimore, MD, term = 1989-1992

Member - Editorial Advisory Panel, Panel on Drug Information, Drug Intelligence and Clinical Pharmacy, 1987-1992

Editor, Drug Information Bulletin, WVU School of Pharmacy Drug Information Center, 1981-1993

Assistant Editor, Drugdex Information System, 1985-present (although no longer active)

Consultant, Various Law Offices, 1986-present

Consultant, Mylan Pharmaceuticals, 1984

Consulting Contributor, Evaluations of Drug Interactions, 1984-1994

Consulting Contributor, Pharmacy Facts, 1983-1985

GAPS Grants/Student Projects

- 1987 GAPS Grant, \$26,917 - Collaborating investigator, "Guided Design in Teaching Problem Solving to Pharmacy Students"; developed the gastrointestinal drugs section of the course
- 1983-1985 GAPS Grant, \$28,509 - Collaborating investigator, "Development and Evaluation of Advanced Therapeutics for Nontraditional Pharm.D. Students"; preparation of modules for self-study use by Pharm.D. students, with possible adaptation for part-time degree students
- 1980-1981 "Skin Cancer Pathophysiology and Therapy" and "Breast Cancer Pathophysiology" slide-text modules, developed and evaluated for self-study use by Advanced Clinical Oncology Class, University of Michigan College of Pharmacy, Ann Arbor, Michigan

GRANTS/RESEARCH

Pending/Funded:

Pending

Lewis NJW, Abate MA, Ellis J. "A Comprehensive Medication and Health Management and Information Program for St. Clair County," St. Clair County (Michigan) Department of Human Resources, \$ 326,463, under review

Abate MA, Lewis NJW, Blommel M. "Integration/Analysis of a Multifaceted Medication and Health Management Information System in a Community Setting," Community Pharmacy Foundation, \$34,049, under review

Funded

Abate MA, Kaplan J, Kraner J, Blommel M, Jackowitz A. "Development of a Forensic Drug Information Web Site and Concentrations Database," National Institute of Justice, \$231,051, January 2005 - ongoing

Bowen E, Abate MA, Blommel M, Siebert J. "Internet Health-Related Information for Seniors," West Virginia University Public Service Grant, \$5,303, July 2005-July 2006

Blommel M, Abate MA. "Information Prescriptions to Provide Reliable Internet Medical Information," WVU Public Service Grant, \$ 6,800, July 2004 – ongoing

Lewis NJ, Abate MA, Blommel M. "Establishment of a pharmacist service for planning affordable therapies," Michigan Pharmacists Association & other sources in Michigan, administered through Wayne State University, \$3,600, 2005-2007

Abate MA, Slain D, Hodges B, Stamatakis MK, "Evaluation of an Interactive Response System to Promote Active Learning and Skills Development," WVU Research Corporation Investment in Research Stimulation, \$ 19,200, 2002-2003.

Abate MA, Slain D. (Co-investigators). "Enhancing Education Through the Use of Instructional Technology," Ortho-McNeil Laboratories, Unrestricted educational grant, \$24,000, January 1, 2001.

Abate MA. (principal investigator), Shafer R, Casdorff D, Cupp M. "The Quality of Information in Pharmaceutical Manufacturers' Web Sites," West Virginia University Public Service Grant, \$ 4,235, January 1 - June 30, 2000

Abate MA. (principal investigator), Stout PJ, Dunsworth T, Gannett P, Griffith R. "Computerization of Problem-Based Learning (PBL) Cases with Concept Map Integration," Fund for the Improvement of Postsecondary Education, U.S. Department of Education, \$182,538, September 1996 - March 2000

Abate MA, Leader WG (co-principal investigators). "Development of an Interactive Instructional Program to Teach Critical Appraisal of the Pharmacokinetic Literature," Drug Information Association, \$21,905, July 1995 - present

Abate MA. Beta Testing - "Evaluation of Clinical Drug Studies" Program, Astra Merck Inc., \$397.50, January - April 1995.

Abate MA (principal investigator), Jackowitz AI, Shumway, JM. Further Development of "Evaluation of Clinical Drug Studies" Computer Program, Astra/Merck Group of Merck & Co, Inc., Unrestricted educational grant, \$5,000, October 1994 - September 1995.

Crout R, Smith N, Abate MA (co-investigator), Jackowitz AI, Dunsworth TS. "Enhanced Drug Information Provision to West Virginia Dentists Through Pharmacy-Dentistry Collaboration," WVU Health Sciences Center, Strategic Planning Initiative, \$5,818, March 1994 - March 1995.

Stout PJ, Griffith R, Sarkar M, Abate MA (co-investigator), Dunsworth T, Nardi A. "A Problem-Based, Integrated Approach to Pharmacy Education in the Basic and Clinical Sciences," Fund for the Improvement of Postsecondary Education, U.S. Department of Education, \$194,647, September 1993 - August 1996.

Abate MA (principal investigator), Jackowitz AI, Shumway JM. "Development of a Computer Program for the Evaluation and Interpretation of Published Drug Studies," Fund for the Improvement of Post Secondary Education, U.S. Department of Education, \$125,884, September 1991 - August 1994.

Abate MA (principal investigator), Jackowitz AI, Shumway JM. "Pharmacist Use of Online Information Services," National Library of Medicine, \$227,433 September 1990 - August 1994.

Jackowitz L (project director). "West Virginia Consult," National Library of Medicine, \$680,000, (Abate MA, one of several key project participants), September 1989 - December 1995

Abate MA (principal investigator), Shumway JM, Jackowitz AI. "Utility of Computerized Systems for Drug Information," National Library of Medicine, \$226,178 (three year study). September 1987 - August 1990.

Neely JL, Swinker M, Abate MA, D'Angio R. "The Effect of Doxycycline on Oral Contraceptive Absorption and Efficacy," \$14,800, Senate Grant, West Virginia University and Ortho Pharmaceutical, August 1987.

Abate MA, Jacknowitz AI. "The West Virginia University Drug Information Center - Its Purpose and Potential for Physicians," WVU Faculty Development Grant, \$200, January 1986.

Abate MA (principal investigator), Neely J, D'Alessandri R. "Assessment of the Effects of Naproxen and Sulindac on the Blood Pressure Response to Atenolol," Merck, Sharp and Dohme Research Labs, \$20,000, December 1985.

Abate MA (principal investigator), Stevenson JG, Neely J, D'Alessandri R. "Antiinflammatory Drug Effects on Labetalol Action," American Heart Association - West Virginia Affiliate, \$9,398, July 1985.

Stevenson JG, Abate MA. "Effect of Atenolol on Memory and Psychomotor Function," Lenard Gotlieb Pharmacy Award, \$400, April 1984.

Abate MA, Khakoo R, and Gwilt P. "Pharmacokinetics of Amphotericin B," Senate Grant, West Virginia University, \$4,750, March 1984.

Abate MA (principal investigator), Jacknowitz AI, Al-Kawas F, and Miller RP. "Effects of Probenecid on Cimetidine Kinetics", funded by Smith, Kline and French Laboratories, July 1983, \$16,135.

LICENSURE

Michigan, West Virginia

December, 2007