

William R. Sawyer, Ph.D.

Forensic Toxicologist

Curriculum Vitae

Introduction

Dr. William Sawyer is a professional toxicologist with a doctorate in toxicology from Indiana University School of Medicine. He is a diplomate of the American Board of Forensic Medicine with 31 years of experience in public health and forensic toxicology including five years of governmental service. His specialized areas of expertise include causation analyses (defendant, plaintiff or criminal), dioxins, solvents, heavy metals, petroleum, crude oil, radionuclides/NORM, alcohol toxicology, drugs-of-abuse, pharmaceuticals, herbal products and other substances.

Contact Information

Toxicology Consultants & Assessment Specialists, LLC (*TCAS, LLC*)
6450 Pine Avenue
Sanibel, Florida 33957

Toxicology Consultants & Assessment Specialists, LLC (*TCAS, LLC*)
29 Fennell Street
Skaneateles, New York 13152

Telephone: 800-308-0080
239-472-2436 (FL)
315-685-2345 (NY)

Education

Indiana University Graduate School 1983 - 1988
Bloomington, Indiana
Robert B. Forney, Ph.D., Committee Chairman
Ph.D. in Philosophy, Concentration in Toxicology, 1988

State University of New York at Geneseo 1979 -1982
Edward Ritter, Ph.D., Committee Chairman
Master of Arts degree, Cellular & Molecular Biology, 1982

State University of New York at Geneseo 1976 -1978
Bachelor of Science degree, Biology, 1978

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State University of New York Agricultural
and Technical College at Morrisville
Associate degree, 1976

1974 -1976

Experience

As a scientist and communicator in forensic toxicology, Dr. Sawyer provides services to governmental agencies, corporations, investigators and select defendants or plaintiffs. Dr. Sawyer currently serves as chief toxicologist for Toxicology Consulting and Assessment Specialists, LLC. He has served for 23 years as an assistant professor (adjunct) with the Department of Medicine, Upstate Medical University, Syracuse, New York. Dr. Sawyer also has approximately 14 years of experience as a licensed clinical and environmental laboratory director in several states.

Additionally, Dr. Sawyer has received extensive training in alcohol toxicology at Indiana University School of Medicine (IU) in the Department of Pharmacology and Toxicology. This department is known for its development of the "Drunkometer" which is now known as the breathalyzer. This device was invented by Rolla N. Harger, MD, at IU. Later blood to breath ratios and other original alcohol work was published by the late Dr. Robert. B. Forney (an internationally-respected expert in alcohol toxicology) whom Dr. Sawyer trained under. As part of his training requirements, Dr. Sawyer assisted in training Indiana State Police members who elected to be certified in breathalyzer testing, alcohol toxicology and sobriety screening.

Dr. Sawyer routinely provides impartial toxicological evaluations involving chemical exposures, alcohol ingestion, intentional poisonings, carcinogens, pharmaceuticals, pyrolysis products, heavy metals, organic chemicals and drugs-of-abuse in civil and criminal litigation. Toxic exposure investigations include analytical protocol, referral of autopsy material for analyses, environmental and occupational health risk assessments, site assessment and causation determination. Final work products that include scientific methods and validation, forensic documentation and written reports used in both forensic and routine (non-judicial) assessments are provided to multiple, nationwide clients.

Forensic Environmental and Laboratory Analyses

Through education, training and experience, Dr. Sawyer has gained extensive expertise in forensic petroleum analyses as well as environmental and clinical forensic analyses. With more than 23 years of laboratory experience, Dr. Sawyer has directed laboratory analyses, sampling protocol and chain-of-custody documentation in criminal and civil matters. He has also provided petroleum spill assessments to multiple clients including governmental environmental agencies (NYSDEC), various state attorney general offices (New York), defense and plaintiff law firms and industry. Petroleum spill and exposure assessment reports have provided objective evidence of characterization, age and source within reasonable scientific certainty.

Professional Experience

Toxicologist 1988-1993
Onondaga County Department of Health
Syracuse, New York

Responsible for municipal and civil risk assessment, evaluation of environmental exposures and design and execution of environmental monitoring studies. Advise and communicate with the Office of the Environment/County Executive and legislative subcommittees with respect to public health and environmental health issues. Established a clinical and environmental toxicology laboratory licensed under the NYS DOH and NYS ELAP agencies (NYSDOH #SAWYW1 and NY ELAP license #10183)

Assistant Professor (adjunct) 1988-2012
SUNY Upstate Medical University
Department of Medicine
Syracuse, New York

Chief Toxicologist 1990-Present
Toxicology Consultants & Assessment Specialists, LLC
Sanibel, Florida
Registered DBA, 1990
Incorporated, January, 1994 (New York)
Limited liability corporation, January 2009 (Florida)

Peer Reviewer 1998-2017
Editorial Advisory Board for the "The Forensic Examiner"

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Laboratory Director 1993-2002
EXPRESSLAB, Inc. (Lozier Laboratories)
Middlesex, New York

- NYSDOH Clinical License #SAWYW1 (1988-2000)
- NYS Environmental License (ELAP) #11369
- National Environmental Laboratory Accreditation Program (NELAP) #11369
- New Jersey DEPE License #73744
- South Carolina License #9101100
- California Environmental License

Associate Editor 1997-2000
Practical Reviews in Forensic Medicine & Sciences
Published by Oakstone Medical Publishing, Inc.
Jointly sponsored by Albert Einstein College of Medicine
and Montefiore Medical Center; CME
(continuing medical education) accredited

Licensed Laboratory Director 1988-1993
Onondaga County Department of Health
Syracuse, New York
Licensed clinical laboratory, chlorinated hydrocarbons (NYS CLEU)
NYS License #SAWYW1 Drug Analysis /Qualitative & Forensic Toxicology
(License expired 9-26-2000),
NYS ELAP License #10183

Analytical Toxicologist (part-time) 1983-1988
State Department of Toxicology
Indianapolis, Indiana

Laboratory Technician (part-time) 1979-1983
Clinical Research Center
(National Institute of Health)
Strong Memorial Hospital
Rochester, New York

Laboratory Technician (part-time) 1979-1983
Highland Hospital
Special Determinations Laboratory, Rochester, New York

Certifications

OSHA 29 CFR1910.120 Re-certified
Hazardous Waste Operations & Emergency Response December 2004
40 hour certified

Clinical Laboratory Director Inactive
New York State Department of Health
Certificate of Qualification
License Code #SAWYW1

Environmental Laboratory Director Inactive
New York State Department of Health
ELAP License #11369
ELAP License #10183

South Carolina Department of Health Inactive
Environmental Laboratory Director
ELAP License #9101100

New Jersey DEPE Laboratory Director Inactive
License #73744

Asbestos Inspector Inactive
EPA Certificate #10-111-50-1303

Societies and Honors

American Academy of Forensic Sciences 1985-Present
Member, promoted to member, 1990

Sigma Xi, The Scientific Research Society 1986- Present
Associate Member

National Myositis Association 1995-1997
Medical Advisory Board Member

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Society of Automotive Engineering Member	1986-Present
International Association of Forensic Toxicologists Member	1985-Present
Sigma Xi Research Competition Fifth place	1987
Sigma Pi Alpha Scholastic Honor Society Academic Award	1984

Professional Presentations

Sawyer, W.R. and Ragle, D.A., Featured continuing medical education credit workshop (2.00 credit hours) entitled, "Fundamentals of Medical Toxicology," Annual Scientific Meeting of The American College of Forensic Examiners, American Board of Forensic Medicine, Las Vegas, Nevada, October 24 – October 27, 2000.

Sawyer, W.R. and Ragle, D.A., Featured continuing medical education credit workshop (3.75 credit hours) entitled, "Forensic Medicine Toxicology," and "Reactive Airways Dysfunction Syndrome (RADS)," Annual Scientific Meeting of The American College of Forensic Examiners for the American Board of Forensic Medicine, New York, New York, October 29 - November 1, 1999.

Sawyer, W.R. and Ragle, D.A., "The Medical Aspects of Toxic Exposure Assessments," Annual Scientific Meeting of The American Board of Forensic Medicine and The American College of Forensic Examiners, Naples, Florida, October 12-14, 1998.

Sawyer, W.R. and Ragle, D.A., "Evaluating Toxic Exposures after Daubert," Featured presentation at the 4th Annual National Expert Witness & Litigation Seminar, Hyannis, Massachusetts, June 23, 1995.

Articles, Abstracts, Treatises and Editorial Publications

Sawyer, W.R. "*Alcohol Content of Beer and Malt Beverages: Forensic Considerations,*" (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 2., No. 6, February 2000, Oakstone Medical Publishing, Inc. from Logan, B.K., et al., Journal of Forensic Sciences, November 1999, Vol. 44, No. 6, pg. 1292-1295.

Sawyer, W.R. "*Fulminant Liver Failure in a Young Child Following Repeated Acetaminophen Overdosing,*" (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 2., No. 6, February 2000, Oakstone Medical Publishing, Inc. from Bauer, M, et al., Journal of Forensic Sciences, November 1999, Vol. 44, No. 6, pg. 1299-1303.

Sawyer, W.R. "*Exposure to Contaminated Milk Presents 'Difficult Case' for Application of Daubert Reliability Standard,*" (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 2., No. 4, December 1999, Oakstone Medical Publishing, Inc. published in Expert Testimony, Evidence, & Trial Consultants, October 1999, Vol. 7, Issue 10, pg. 3.

Sawyer, W.R. "*The Extent of Postmortem Drug Redistribution in a Rat Model,*" (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 2., No. 4, December 1999, Oakstone Medical Publishing, Inc. from Hilberg, M.D., et al., Journal of Forensic Sciences, September 1999, Vol. 44 No. 5, pg. 956-62.

Sawyer, W.R. "*Potassium Nitrite Reaction with 11-Nor-Delta9-Tetrahydrocannabinol-9-Carboxylic Acid in Urine in Relation to the Drug Screening Analysis,*" (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 2., No. 3, November 1999, Oakstone Medical Publishing, Inc. from Lewis, S.A., Journal of Forensic Sciences, September 1999, Vol. 44 No. 5, pg. 951-55.

Sawyer, W.R. "*GC/Mass Spectrometry Data from Fire Debris Samples: Interpretation and Application,*" (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 2., No. 3, November 1999, Oakstone Medical Publishing, Inc. from Wallace, J.R., Journal of Forensic Sciences, September 1999, Vol. 44, No. 5, pg. 996-1012.

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Sawyer, W.R. "*Toluene Diisocyanate Colocalizes with Tubulin on Cilia of Differentiated Human Airway Epithelial Cells*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1., No. 12, August 1999, Oakstone Medical Publishing, Inc. from Lange, R.W., et al., Toxicological Sciences, July 1999, Vol. 50, No. 1, pg. 64-71.

Sawyer, W.R. "*Differential Diagnosis Methodology Accepted by U.S. Circuit Court of Appeals*," Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 12, August 1999, Oakstone Medical Publishing, Inc. Referenced Literature: The Testifying Expert, July 1999, Vol. 7, Issue 7, pg. 9 and Vol. 7, Issue 6, pg. 2.

Sawyer, W.R. "*The Enigma of Arsenic Carcinogenesis: Role of Metabolism*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1., No. 11, July 1999, Oakstone Medical Publishing, Inc. from Goering, P.L., et al., Toxicological Sciences, May 1999, Vol. 49, No. 1, pg. 5-14.

Sawyer, W.R. "*Blood Alcohol Content Testimony*," Practical Reviews in Forensic Medicine and Sciences, Vol. 1., No. 11, July 1999, Oakstone Medical Publishing, Inc. Referenced Literature: The Testifying Expert, June 1999, Vol. 7, Issue 6, pg. 9 and Goldfrank's Toxicologic Emergencies.

Sawyer, W.R. "*Forensic Evaluation of Pulmonary Toxicity Attributed to Amiodarone*," (Special Presentation), Practical Reviews in Forensic Medicine and Sciences, Vol. 1., No. 10, June 1999, Oakstone Medical Publishing, Inc. Literature Review Backer, et al., American Heart, Vol. 123 (6), June, 1992, PDR, 1999, et al.

Sawyer, W. R. "*Fatal Ingestion of Paroxetine (Deroxatt TM)*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1., No. 10, June 1999, Oakstone Medical Publishing, Inc. from Tracqui, P., et al., Bulletin of The International Association of Forensic Toxicologists, January 1999, Vol. 27, No. 1, pg. 9-10.

Sawyer, W.R. "*A New Drug-of-Abuse 4-Methylthioamphetamine (Flatliners) & Toxic Related Fatality*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1., No. 10, June 1999, Oakstone Medical Publishing, Inc. from Groombridge, C., et al., Bulletin of The International Association of Forensic Toxicologists, April 1999, Vol. 24, No. 2, pg. 5-9.

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Sawyer, W.R. "*The Response of the Intoxilyzer 5000 to Five Potential Interfering Substances*," Practical Reviews in Forensic Medicine and Sciences, Vol. 1., No. 9, May 1999, Oakstone Medical Publishing, Inc. from Caldwell, J.P. and Kim, N.D., Journal of Forensic Science, 1997, Vol. 42, No. 6, pg. 1080-87.

Sawyer, W.R. "*Nitrites Adulteration in Urine Drug Testing*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1., No. 8, April 1999, Oakstone Medical Publishing, Inc. from Spiehler, V., Bulletin of The International Association of Forensic Toxicologists, Spring 1999, Vol. 24, No. 1, pg. 17-18.

Sawyer, W.R. "*A Case of Ballistic Toxicology*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1., No. 8, April 1999, Oakstone Medical Publishing, Inc. from Kerkoff, W., Bulletin of The International Association of Forensic Toxicologists, Spring 1999, Vol. 24, No. 1, pg. 4-5.

Sawyer, W.R. "*Postmortem Drug Redistribution - Human Cases Related to Results in Experimental Animals*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 7, March 1999, Oakstone Medical Publishing, Inc. from Hilberg, T., et al., Journal of Forensic Sciences, January 1999, Vol. 44, No. 1, pg. 3-9.

Sawyer, W.R. "*Special Publication – Forensic Source Identification of Lead*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 6, February 1999, Oakstone Medical Publishing, Inc.

Sawyer, W.R. and Ragle D.A. Original Article/Special Presentation, "*Toxicology of Aromatic Hydrocarbons*," Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 5, January 1999, Oakstone Medical Publishing, Inc.

Sawyer, W.R. "*Controlled Ethyl tert-Butyl Ether (ETBE) Exposure of Male Volunteers*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 6, February 1999, Oakstone Medical Publishing, Inc. from Nihlen, A, et al., Toxicological Sciences, Vol. 46, No. 1, pg. 143-150, November 1998.

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Sawyer, W.R. "*Vitamin B2 Interference with TDx Drugs-of-Abuse Assays*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 5, January 1999, Oakstone Medical Publishing, Inc. from Kunsman, SW., et al., Journal of Forensic Sciences, November 1998, Vol. 43, No.6, pg. 1225-27.

Sawyer, W.R., "*A Fatal Case of Benzene Poisoning & Special Discussion by Drs. Sawyer & Rigle*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 5, January 1999, Oakstone Medical Publishing, Inc. from Barbera, N, Bulla, G. & Romano, G. Journal of Forensic Sciences, November 1998, Vol. 43, No. 6, pg. 1250-1.

Sawyer, W.R., "*Biological and Chemical Hazards of Forensic Skeletal Analyses*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences , Vol. 1., No. 4, December 1998, Educational Reviews, LLC from Galloway, A. and Snodgrass, BA., Journal of Forensic Sciences, September 1998, Vol. 43, No. 5 pg. 940-48.

Rigle, D.A., Sawyer, W.R., Original Article/Special Presentation: "*Carbon Monoxide Toxicity versus Carbon Dioxide Toxicity and their Relationship in Attempted Suicide*," Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 3, November 1998, Educational Reviews, LLC.

Sawyer, W.R., "*2,3,7,8-tetrachlorodibenzo-p-dioxin in Pregnant Long Evans Rats: Disposition to Maternal and Embryo/Fetal Tissues*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 4, December 1998, Educational Reviews, LLC from Hurst, CH, et al., Toxicological Sciences, October 1998, Vol. 45, No. 2, pg. 129-36.

Sawyer, W.R., "*Burns from undisclosed acids in a liquid used by temporary workers. A recent problem in occupational medicine caused by lack of information*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, September 1998, Educational Reviews, LLC. Vol. 1, No. 3, November 1998, from Fischer, M., Hellmann, A., et al., Deutsche Medizinische Wochenschrift, February 6, 1998, Vol. 123, No. 6, pg. 151-54.

Sawyer, W.R., "*Automobile Exhaust as a means of Suicide: An Experimental Study with a Proposed Model*," (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 3,

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November, 1998, Educational Reviews, LLC from Morgen, C., Schramm, J., et al.,
Journal of Forensic Sciences, Vol. 43, No. 4, July 1998, pg. 827-36.

Sawyer, W.R. "*Beyond Rohypnol: Use of Gamma-Hydroxybutyrate and Burundanga in Rape,*" (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 3, November 1998, Educational Reviews, LLC from Hollinger, MA, The Forensic Examiner, Vol. 7, Nos. 3 & 4, March/April, 1998, pg. 5-27.

Sawyer, W. R., "*The Absorption, Blood Levels, and Excretion of Mercury after a Single Dose of Mercury Vapor in Humans,*" (Special Article Review Presentation, Critical Assessment and Original Abstract) Practical Reviews in Forensic Medicine and Sciences, Vol. 1, No. 1, September 1998, Educational Reviews, LLC from Sandborgh, G, et al., Toxicology and Applied Pharmacology, May 1997, Vol. 150, pg. 146-153.

Sawyer, W.R., "*The Effect of Glutaraldehyde Adulteration of Urine Specimens on Behring Syva Emit II Drugs of Abuse Assays,*" (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol.1, No. 2 October 1998, Educational Reviews, LLC. from George, Bulletin of The International Association of Forensic Toxicologists, Vol. 27, No. 2, January 1997, pg. 10-11.

Sawyer, W.R., "*Identification of Unique Cocaine Metabolites and Smoking By-Products in Postmortem Blood and Urine Specimens,*" (Special Article Review Presentation, Critical Assessment and Original Abstract), Practical Reviews in Forensic Medicine and Sciences, Vol.1, No. 1, September 1998, Educational Reviews, LLC. from Jenkins, AJ and Goldberger, BA, Journal of Forensic Science, 1997, Vol. 42, No. 5, September, pg. 824-827.

Miller, F.W., Sawyer, W.R., "*What Causes Myositis,*" National Myositis Association Newsletter, No. 16, pg. 2, December, 1995.

Rigle, D.A., Sawyer, W.R., "*Evaluation of Toxic Exposures After Daubert,*" S.E.A.K. Expert Witness Handbook, S.E.A.K., 1995 edition.

Sawyer, W.R. and Rigle, D.A., "*Toxic Etiology of Multiple Chemical Sensitivities: Review of Case Histories with Documented Toxic Exposure,*" Published in the Society of Toxicology, The Toxicologist, Volume 15, No. 1, 1995, pg. 228 - 229.

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Sawyer, W.R., "*Analysis of Volatile Organic Contaminants from Biological Matrices by Purge and Trap Gas Chromatography and Mass Spectrometry*," Presented at the 44th Annual American Academy of Forensic Sciences Meeting, February 20, 1992, Abstract No. K45, pg. 197.

Sawyer, W.R., Doedens, D.J., Authors Response to Discussion of "*Heroin, Morphine and Hydromorphone Determination in Postmortem Material by High Performance Liquid Chromatography*," Journal of Forensic Sciences, Vol. 35, No. 3, May, 1990, pg. 522-523.

Sawyer, W.R., Steup, D.R., Martin, B.S. and Forney, R.B., "*Cardiac Blood pH as a Possible Indicator of Postmortem Interval*," Presented at the 40th Annual American Academy of Forensic Sciences Meeting, February 19, 1988, Abstract No. K65, pg. 141.

Carfagna, M.A., Sawyer, W.R. and Forney, R.B., "*Postmortem Distribution of Ethanol in Rats*," The International Association of Forensic Toxicologists, Abstracts, 1987, pg. 13.

Sawyer, W.R., Forney, R.B., "*Postmortem Disposition of Morphine in the Rat*," Presented at the 24th International Meeting, Banff, Canada, The International Association of Forensic Toxicologists, Abstracts, 1987, pg. 12.

Sawyer, W.R., Doedens, D.J. and Forney, R.B., "*Heroin, Morphine, and Hydromorphone Determination in Postmortem Material by High Performance Liquid Chromatography*," American Academy of Forensic Sciences 38th annual meeting, Abstract K13, 1986, pg. 114.

Sawyer, W.R., Steup, D.R., Martin, B.S. and Forney, R.B., "*Cardiac Blood pH as a Possible Indicator of Postmortem Interval*," Journal of Forensic Sciences, Vol. 33, No. 6, Nov. 1988, pg. 1439-1444.

Sawyer, W.R., Forney, R.B., "*Postmortem Disposition of Morphine in Rats*," Forensic Science International, Vol. 38, Oct. 1988, pg. 259-273.

Sawyer, W.R., Waterhouse, G.A.W., Doedens, D.J. and Forney, R.B., "*Heroin, Morphine and Hydromorphone Determination in Postmortem Material by High Performance Liquid Chromatography*," Journal of Forensic Sciences, Vol. 33, No. 5, Sept. 1988, pg. 1146-1155.

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Carfagna, M.A., Sawyer, W.R. and Forney, R.B., "*Postmortem Distribution of Ethanol in Rats*," The International Association of Forensic Toxicologists, Proceedings of the 24th International Meeting, July 28-31, 1987, pg. 87-93.

Sawyer, W.R., Ritter, E. and Faloon, W.W., "*The Morphological Effects of Chenodeoxycholic Acid on Human Gastric Mucosa*," The American Journal of Gastroenterology, Vol. 79, No. 5, 1984, pg. 348-353.

Personal Information

Dr. Sawyer is a member of the Gulf Coast Swim Team as a distance swimmer and completed several "*Swim Around Key West*" 12.5 mile ocean swim races in under six hours. He is also a triathlete with the distinction of being a four-time Ironman. He loves to fish and SCUBA dive in northern New York State and the Gulf of Mexico.

Place of Birth: Webster, New York
Citizenship: United States
Marital Status: Married, 1989