



1999

## Dr. Michael Sobel CV

Michael N. Sobel

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### Recommended Citation

Sobel, Michael N., "Dr. Michael Sobel CV" (1999). *Forensic Medicine*. 4.  
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*Curriculum Vitae* (Abridged)

Michael N. Sobel, D.M.D.

Date of Birth: 25 June 1937

5873 Forbes Avenue  
Pittsburgh, PA 15217-1601

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Fax: (412) 681-7878

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*Current Positions*

<p><b>Orthodontist, private practice</b> Pittsburgh, PA</p>	<p>1969-Present</p>
<p><b>Chief Forensic Odontologist</b> Allegheny County Coroner's Office Pittsburgh, PA</p>	<p>1970-Present</p>
<p><b>Special Investigations Advisor</b> Pittsburgh Bureau of Police Pittsburgh, PA</p>	<p>1973-Present</p>
<p><b>Crime Scene Consultant &amp; Forensic Advisor</b> Allegheny County Police Pittsburgh, PA</p>	<p>1974-Present</p>
<p><b>Forensic Consultant</b> Pennsylvania State Police Harrisburg, PA</p>	<p>1978-Present</p>
<p><b>Team Director</b> Western Pennsylvania Dental Identification Team Pittsburgh, PA</p>	<p>1988-Present</p>
<p><b>Forensic Lecturer</b> Allegheny County Police Academy Pittsburgh, PA</p>	<p>1982-Present</p>
<p><b>Chairman of Odontology Subcommittee (E30.06)</b> American Society for Testing &amp; Materials (ASTM) (Sets standards &amp; guidelines for forensic odontology) Philadelphia, PA</p>	<p>1990-Present</p>

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## *Academic Positions*

**Clinical Associate Professor of Dental Public Health  
Director, Forensic Odontology Education**  
University of Pittsburgh School of Dental Medicine  
Pittsburgh, PA 1974-Present

*Previous Appointments:*

Assistant Professor of Oral Pathology 1970-74  
Instructor of Orthodontics 1965-67  
Instructor of Oral Pathology 1962-67

**Clinical Associate Professor of Pediatrics**  
University of Pittsburgh School of Medicine  
Pittsburgh, PA 1993-Present

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## *Hospital Affiliations*

**Consulting Staff, Clinical Teaching Faculty** 1993-Present  
**Active Staff, Clinical Teaching Faculty** 1990-1993  
Department of Surgery, Dental Medicine Section  
Department of Pediatrics (Secondary Appointment)

**Member, Suspected Child Abuse & Neglect (SCAN) Committee**  
**Consultant in Child Abuse, Family Intervention Center**  
Children's Hospital of Pittsburgh  
Pittsburgh, PA 1990-Present

**Active Staff** 1970-1994  
**Consulting Staff** 1994-Present  
Department of Surgery, Dental Medicine Section  
University of Pittsburgh Medical Center  
Pittsburgh, PA

## *Previous Affiliations*

**Active Staff, Clinical Teaching Faculty**  
**Director, Division of Orthodontics**  
Department of Dental Medicine  
Allegheny General Hospital  
Pittsburgh, PA 1976-80

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## *Selected Professional Associations*

American Society of Forensic Odontology.  
American Academy of Forensic Sciences  
-Odontology Section.  
American Society for Testing and Materials (ASTM)

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*Education*

Washington and Jefferson College Washington, PA	1955-57
<b>Bachelor of Science, Pre-Dental</b> University of Pittsburgh Pittsburgh, PA	1957-59
<b>Doctor of Dental Medicine</b> University of Pittsburgh School of Dental Medicine Pittsburgh, PA	1958-62
<b>N.I.H. Traineeship in Oral Pathology</b> University of Pittsburgh School of Dental Medicine Pittsburgh, PA	1962-65
<b>Residency in Orthodontics</b> University of Pittsburgh School of Dental Medicine Pittsburgh, PA	1965-67
<b>Forensic Dentistry Course</b> Armed Forces Institute of Pathology Washington, DC	1972
<b>Advanced Orthodontic Techniques Course</b> Tweed Foundation for Orthodontic Research Tucson, AZ	1983
<b>Forensic Anthropology Course</b> Smithsonian Institution, National Museum of Natural History Washington, DC	1987

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*Certifications*

**Diplomate, American Board of Forensic Odontology**  
**Fellow, American Academy of Forensic Sciences**  
**Board Eligible, American Board of Orthodontics**  
**Diplomate, National Dental Boards**  
**Diplomate, Pennsylvania Dental Boards**

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*Military Service*

Lieutenant, U.S. Army Reserve	1960-67
Captain, U.S. Army Dental Corps, Active Duty	1967-69
U.S. Army Commendation Medal	1969

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## *Selected Publications*

Sobel, M.N., Chapter 28: Forensic Odontology, in *Forensic Sciences* (Wecht, C.H., ed.), New York, Matthew Bender Co., 1981, rev. 1983, revision in preparation 1999.

Perper, J.A. & Sobel, M.N., Identification of fingernail markings in manual strangulation, *Am. J. For. Med. & Path.* 2:45-48, 1981.

Sobel, M.N., Odontology – The dentist's role in the forensic sciences, *Trial* 19:63-65, Jan. 1983.

Rapp, R. & Sobel, M.N., "Orthodontics", *Encyclopedia Americana*, 1984 ed.

Sobel, M.N. & Perper, J.A., Self-inflicted bite mark on the breast of a suicide victim, *Am. J. For. Med. & Path.* 6:336-339, 1985.

Sobel, M.N., What the teeth can tell us!, *Forensic Horizons*, 2(1):8-13, Oct. 1989.

David, T.J. & Sobel, M.N., Recapturing a 5-month-old bite mark by means of reflective ultraviolet photography, *J. Forensic Sciences*, 39(6):1560-1567, Nov. 1994.

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## *Recent Papers Presented*

Sobel, J.B. & Sobel, M.N., The use of standard forms to achieve consistency in forensic odontology investigations, 43rd Annual Meeting of the American Academy of Forensic Sciences, Anaheim, CA, 18-23 Feb. 1991.

Boland, R.T., Sobel, M.N. & Sobel, J.B., Critical incident stress debriefing of mass disaster dental identification teams, 43rd Annual Meeting of the American Academy of Forensic Sciences, Anaheim, CA, 18-23 Feb. 1991.

David, T.J. & Sobel, M.N., Recapturing a 5-month-old bite mark by means of reflective ultraviolet photography, 44th Annual Meeting of the American Academy of Forensic Sciences, New Orleans, LA, 17-22 Feb. 1992.

(continued)

Sobel, M.N. & Sobel, J.B., Analysis and presentation of computer digitized bite mark evidence, 44th Annual Meeting of the American Academy of Forensic Sciences, New Orleans, LA, 17-22 Feb. 1992.

Sobel, M.N., Wurzel, J., Yelcick, J., & Sobel, J.B., PathMAC: The use of computer aided learning in forensic odontology, 44th Annual Meeting of the American Academy of Forensic Sciences, New Orleans, LA, 17-22 Feb. 1992.

Sobel, M.N. & Sobel, J.B., The challenges of the crash of USAir 427: Recovery and identification of fragmented and co-mingled human remains. 47th Annual Meeting of the American Academy of Forensic Sciences, Seattle, WA, 13-18 Feb. 1995.

Sobel, M.N., Development of an instructional system for bite mark analysis. 49th Annual Meeting of the American Academy of Forensic Sciences, New York, NY, 16-21 Feb. 1997.

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### *Civic & Professional*

**Western Pennsylvania Dental Identification Team**  
Team Director for Dental Identification Operations  
following the crash of USAir Flight 427  
near Pittsburgh International Airport September-October, 1994

**PBS/Nova Television Production: "The Science of Murder"**  
Participant in TV production re-evaluating the evidence in the  
Shepherd Murder Case, to be presented in Fall 1999 on PBS.  
August-September, 1998

**American Board of Forensic Odontology**  
Chairman, Continuing Education Committee 1992-93  
Member, Continuing Education Committee 1990-1994

**American Society for Testing and Materials (ASTM)**  
Chairman, Forensic Sciences-Sub-Committee for Odontology  
1992-Present

**University of Pittsburgh General Alumni Association**  
Member, Alumni Council 1985-90

**University of Pittsburgh Dental Alumni Association**  
President 1986-88  
Member, Executive Board 1985-1997

*(continued)*

<b>Pennsylvania Dental Association</b>	
Member, Forensic Odontology Committee	1988-89
Director, PDA Dental Identification Team	1988-89
<b>Dental Society of Western Pennsylvania</b>	
Chairman, Forensic Odontology Committee	1985-91
Member, Public Relations Committee	1984-88
<b>Great Lakes Society of Orthodontists</b>	
Chairman, Local Arrangements 1987 Annual Meeting	1987
Member, Communications Committee	1986-91
<b>Kiwanis Club of Squirrel Hill</b>	
President	1988-89

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*Revised 1/99aa*