CURRICULUM VITAE

Ralph J. Frascone, MD, FACEP

ADDRESS

Department of Emergency Medicine
Regions Hospital
640 Jackson Street
St. Paul, MN 55101

EDUCATION

1966 – 1970	BA	St. John's University Collegeville, Minnesota
1970 – 1974	MD	University of Minnesota Medical School Minneapolis, Minnesota
1974 – 1975	Internship	St. Paul-Ramsey Medical Center St. Paul, Minnesota
1975 – 1977		Family Practice Residency St. Paul-Ramsey Medical Center St. Paul, Minnesota

ACADEMIC APPOINTMENTS

December 1977 Recertified - September, 1983	Diplomat, American Board of Family Practice
July 1982 - June 1989	Clinical Assistant Professor Department of Family Practice and Community Health University of Minnesota Medical School
July 1989 - November 1994	Clinical Associate Professor Department of Family Practice and Community Health University of Minnesota Medical School
November 1994 – April 2007	Assistant Professor of Emergency Medicine University of Minnesota Medical School
May 2007 – Present	Associate Professor of Emergency Medicine University of Minnesota Medical School
November 1982 - Cert. # 810831 Recertified – December, 2001	Diplomat, American Board of Emergency Medicine

ACADEMIC ADMINISTRATIVE APPOINTMENTS

2001	Head, Department of Emergency Medicine St. Croix Regional Medical Center St. Croix Falls, WI

CLINICAL/HOSPITAL APPOINTMENTS

1975 – 1977	Associate Staff Physician Department of Emergency Medicine St. Paul-Ramsey Medical Center
July 1977 – Present	Senior Staff Physician Department of Emergency Medicine Regions Hospital
January 1980 - December 1989	Associate Medical Director Life Link III St. Paul, Minnesota
February 1985 - February 1992	Co-Medical Director Emergency Medical Services St. Paul-Ramsey Medical Center St. Paul, Minnesota
January 1990 – Present	Medical Director Life Link III St. Paul, Minnesota
March 1992 – Present	Medical Director Emergency Medical Services Regions Hospital

Minnesota services under Medical Direction:
Afton Alps Ski Patrol, American Red Cross, Cottage Grove Public Safety, Hugo Fire Department, Lakeview EMS, Life Link III, Lower St. Croix Fire, Mahtomedi Fire, Maplewood Fire & Police Department, Marine on St. Croix Ambulance, Oakdale Fire Department, St. Paul Fire Department, White Bear Lake Fire Department, Woodbury Public Safety.

Western Wisconsin services under Medical Direction:
North Land Ambulance, St. Croix EMS-Hudson, Unity Ambulance

CONSULTING POSITIONS

Western Wisconsin services under Medical Direction Consultation:

Baldwin Ambulance Service, Clear Lake Ambulance, Ellsworth Ambulance, Elmwood Ambulance, Glenwood City Ambulance, New Richmond Ambulance, Osceola Ambulance, Prescott Fire Association, River Falls Ambulance, St. Croix Valley EMS, Spring Valley Ambulance, Trollhaugen Ski Patrol, Woodville Area Ambulance.

SCIENTIFIC ACTIVITIES

1993 to Present	Reviewer, Chest
1994	Book Reviewer, Annals of Emergency Medicine

GRANT SUPPORT

Current Research Support

9/30/2009-9/29/2011 (Under Review)	NIH Challenge Grant in Health and Science Research, Challenge Topic 04-HD-102: Development of Pediatric Medical Devices: "Pediatric Advanced Airway Trial (PART)." $1,000,000, Principal Investigator
9/1/2009-8/31/2010	IAFF Burn Foundation: "Effect of Firefighter SCBA Use on Carboxyhemoglobin Values During the Overhaul Phase of Fire Fighting." $25, 108, Principal Investigator
4/01/08-7/01/09	Metropolitan Emergency Services Board: "Advanced Airway Research Trial." $49,912, Principal Investigator
4/01/08-7/01/09	HealthPartners Research Foundation Discovery Grant: "Advanced Airway Research Trial." $25,000, Co-Principal Investigator
6/01/08-5/31/09	Foundation for Air Medical Research & Education: "HEMS Provider Use of the King LTS-D Airway in RSI Patients." $20,000, Principal Investigator
9/05 to 9/09:	National Institute of Health (NIH) No. 2-R44-HL65851-03: "Impedance Threshold Valve for Improving Standard CPR." The ResQ Trial. $543,408. Co-principal investigator

Previous Research Support

5/05 to 9/06:	U.S. Department of Defense Research Grant No. W81XWH-04-C-0022: Evaluation of an Impedance Threshold Device (ITD) in the Emergency Department for Treatment of Hypotension. $30,000. Co-Principal Investigator.
2004 – 2006	Metropolitan Emergency Services Board. The ResQ Trial. Two years, $38,000. Principal investigator.
1/04 – 6/06	HealthPartners Research Foundation. The ResQ Trial. One year, $25,000. Principal investigator.
9/04 – 9/05	Guidant Foundation. The ResQ Trial. One year, $20,000. Principal investigator.
2002 - 2005	St. Paul Firefighters Local 21. The ResQ Trial. Three years, $20,000. Principal investigator.

CERTIFICATION AND LICENSURE

2001	Board Certified, Emergency Medicine
2001	Wisconsin Medical License
2004	DEA registered, Minnesota
2005	Advanced Trauma Life Support (ATLS), Instructor
2005	Advanced Cardiac Life Support (ACLS), Provider
2005	Pediatric Advanced Life Support (PALS), Provider
2006	Minnesota Medical License
2009	Advanced Cardiac Life Support (ACLS), Provider recertification

HONORS AND AWARDS

2005	Profile of **R.J. Frascone MD**. Instrument for Change. *Journal of Emergency Services*. Published in October, 2005. Pages 31-32
2000	"**Dr. RJ Frascone** Day" Proclamation for Dedication to EMS. Ramsey County Board of Commissioners (Leaders in EMS Article)
1999	Medical Director of the Year Minnesota Ambulance Association
1992	Pro of the Month Regions Hospital Employee of the Month
1986	Honorary St. Paul Firefighter

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

1985-present	National EMS Section for ACEP
1986-present	Air Medical Section of ACEP
1990-present	Member, LifeLink III Board
1990-present	MN State Fire Chiefs Association – EMS Committee
1990-present	Chair, East Metro Prehospital Advisory Committee
1992-present	Metro Region EMS Committee
1994-2002	Chair, Legislative Affairs Committee, ACEP
1997-2000	Chair, EMS Regulatory Board
1999-present	MN Chapter of American College of Emergency Physicians (ACEP)
2000-2003	Chair, AHA, Operation Heartbeat Committee
2003-present	Steering Committee member, Metropolitan Medical Response System
2004-present	AHA Legislative Committee
2005-2006	American Heart Association (AHA), Governance Committee
2006-2007	NAEMSP Research Committee
2008	Chief Medical Officer, Republican National Convention, St. Paul, MN
2008-present	National EMS Committee for ACEP
2008-present	National Association of Emergency Medical Service Physicians (NAEMSP) Disaster Committee

TEACHING AND MENTORING ACTIVITIES

Research Project Advisor - Lectures & Presentations

March 3, 2006 – Regions Resident Conference at Regions Hospital – Presentation: EMTALA.

August 24, 2005 - Regions Resident Conference at Regions Hospital - Presentation: The ResQ Trial.

January 1, 2003 – Regions Hospital Conference at Regions Hospital – Presentation: EMS – Mass Casualty.

October 22, 2003 - Perry Conference, at Regions Hospital. Lecture on "Trauma Systems: Where Does Minnesota Fit."

August 27, 1996 - Educator for Emergency Department Eye Workshop Series.

July 11, 1996 - Presented *EMS Medical Command* for Ramsey Emergency Department conference series.

Research Project Advisor

Cynthia Kelmenson, MD-Resident, Regions Hospital, Department of Emergency Medicine

Christopher Russi, MD-Resident Regions Hospital Department of Emergency Medicine

Peter Tanghe, MD-Resident Regions Hospital Department of Emergency Medicine

Martin Richards, MD-Resident Regions Hospital Department of Emergency Medicine

Josh Salzman, MA-Research Coordinator, Regions Hospital Emergency Medical Services

Terry Provo, BA EMT-P- Coordinator, Regions Hospital Emergency Medical Services, now of Advanced Circulatory System Incorporated

Dawn Bitz, BA EMT-P- Coordinator, Regions Hospital Emergency Medical Services, now of Boston Scientific Corporation

Joseph Jensen, RN EMT-P- Coordinator, Regions Hospital Emergency Medical Services

Kent Griffith, BA RN EMT-P- Coordinator Regions Hospital Emergency Medical Services

EXTRAMURAL INVITED PRESENTATIONS

February 2009 – Medical Directors Eagles Conference: Invited Speaker, "The Medical Management of the 39th Republican National Convention: Lessons Learned", Dallas, TX.

June 27 & July 11, 2006 - "Avian Flu Awareness Training" RiverCentre in St. Paul, MN.

October 16, 2003 - MSFCA (Fire Chief's Convention), in Duluth, Minnesota. Lecture on "New Diseases We Can All Worry About".

March 8, 2003 - Homeland Security Public Forum: Is Minnesota Prepared. Moderated by Senator Mark Dayton. Held on at Fort Snelling, Minnesota.

October 18, 2002 - "Bioterrorism/MCI with an Attitude". A Ramsey celebration honoring Dr. John F. Perry, Jr. Held on at Embassy Suites Hotel, St. Paul, Minnesota.

February 28, 2002 - "Domestic Preparedness for Terrorism". 14th Annual Burn and Wound Care Conference on at the Holiday Inn in St. Paul, MN.

May 17, 2001 - Presented *Near Drowning and the EMT* Southeast EMS Region Award Meeting.

May 12, 2000 - Presented "Initial Assessment and Management of the Burn Patient" at the 12th Annual Burn Care Today in St. Paul, MN.

January 9, 1998 - Presented "EMS Legislation: Politics & Policies" as part of a panel discussion with Senator Rod Grams (Rep-MN) at NAEMSP Winter Assembly in Fort Lauderdale, Florida.

OTHER PRESENTATIONS

Frascone, RJ., Wewerka, SS., Griffith, K., Salzman, J., EMS Provider Use of the King LTS-D As a Primary Airway in RSI Patients: A Pilot Study. Poster presented at the 2009 *National Association of Emergency Medical Services Physicians Annual Conference*, January 22-25, 2009, Jacksonville, FL.

Pippert G., Wewerka SS., **Frascone RJ**, Heegaard W., Salzman JG. Neonatal patient sound exposure during critical care transport. Poster presented at the 2008 *Air Medical Transport Fall Conference of the Association of Air Medical Services*, October 21, 2008, Minneapolis, MN.

Frascone RJ., Jensen JP., Wewerka SS., Salzman JG. EMS Provider Use of the Pediatric EZ-IO Needle in Pediatric Patients: A Pilot Study. Poster presented at the 2008 *National Association of Emergency Medical Services Physicians Annual Conference*, January 10-12, 2008, Phoenix, AZ.

Salzman JG**.**, Aufderheide T., Swor R, Wayne M., Mahoney B., Stahl K., Medado P., Lapsansky J., Vasquez G., **Frascone RJ.** Community consultation and public disclosure: the ResQ Trial experience. Poster presented at the 2007 *National Association of Emergency Medical Services Physicians Annual Conference*, January 8-11, Naples, FL.

Frascone RJ, Heegaard W, Pippert G, Dries D, Molinari P, Salzman JG. The use of the intubating laryngeal mask airway (ILMA) in helicopter EMS: a case series. Poster presented at the 2006 *Air Medical Transport Fall Conference of the Association of Air Medical Services*, September 25-27, Phoenix, AZ.

Frascone RJ, Jensen J, Salzman JG, Heegaard W, Pippert G. The use of the EZ-IO® intraosseous device in the helicopter: a case series. Poster presented at the 2006 *Air Medical Transport Fall Conference of the Association of Air Medical Services*, September 25-27, Phoenix, AZ.

Salzman JG, **Frascone RJ**, Godding BK, Provo TA, Gertner E. Implementing Emergency Research Requiring Waiver of Informed Consent, Community Consultation, and Public Disclosure: Guidance Based on Experience. Poster presented at the 2006 *HealthPartners Research Foundation Celebration of Research*, September 8, St. Paul, MN.

October 25, 2005 – St. Paul BOMA "Life Saving Techniques – ResQTrial" presentation.

September 22, 2005 - *HealthPartners Research Foundation Celebration of Research* - Poster Presentation: EZ-IO - A Field Trial.

September 22, 2005 - *HealthPartners Research Foundation Celebration of Research* - Poster Presentation: The ResQ Trial.

September 21, 2005 - Regions ED Senior Staff Meeting at Regions Hospital – In-service on the ResQ Trial.

September 11, 2005 - 2005 *Minnesota Medical Directors Retreat* at Arrowwood Conference Center, Alexandria, MN - Abstract presentation: The ResQ Trial.

September 11, 2005 - 2005 *Minnesota Medical Directors Retreat* at Arrowwood Conference Center, Alexandria, MN - Abstract presentation: The EZ-IO.

September 10, 2005 - 2005 *Minnesota Medical Directors Retreat* at Arrowwood Conference Center, Alexandria, MN - Talk: EZ-IO: A Black and Decker Approach to IO.

August 10, 2005 - St. Paul City Council Meeting, City Hall in St. Paul, MN - Presentation: The ResQ Trial.

August 4, 2005 - Community Consultation Meetings (9am and 6 pm) held at the Kelly Inn, St. Paul, MN - Presentation: The ResQ Trial.

July 26, 2005 - Ramsey County Board of Commissioners, City Hall in St. Paul, MN - Presentation: The ResQ Trial.

June 20-22, 2005 – *Air Medical Conference* in Barcelona, Spain. Poster presentation on Bispectral Index as a Measure of Adequate Sedation During Aeromedical Transport".

June 20-22, 2005 - *Air Medical Confer*ence in Barcelona, Spain. Lecture on "CPR: State of the Art".

March 11-12, 2005 - WITC Emergency Services Conference, at Telemark Lodge, Cable, Wisconsin. "Critical Interventions: New Research Changes Everything."

September 10-12, 2004 - *EMS Medical Directors' Conference*, at Arrowwood Conference Center, Alexandria, MN. Panel on "Big Bang EMS".

September 5-7, 2003 - *Ambulance Medical Director Retreat*, at Breezy Point, MN. Point-Counterpoint discussion on CPAP/Bipap, Non-invasive ventilation in the pre-hospital setting; use of pre-hospital thrombolytics; pelvic stabilization and exam; approach to disaster management-START-Israeli; scene safety- What is the Reality? Why RSI in the City? An Interesting Case of Penetrating Chest Trauma.

January 17, 2003 - "Field Trial of the F.A.S.T.1 Adult Intraosseous Infusion System by EMT-Paramedics and EMT-Intermediate Personnel". Abstract presented at NAEMSP Conference on in Panama City Beach, Florida.

November 5, 2002. - What is the Appropriate Training Program for Introduction of Ultrasound

in a Helicopter Program". Abstract presented at *Air Medical Transport Conference*

September 28, 2002 - "Point-Counterpoint". *Ambulance Medical Director Retreat* in Alexandria, Minnesota held on.

September 7-9,2001 - Arrowhead EMS Conference.
Duluth, Minnesota
Presentations conducted at conference:
9/8: "No More Room at the Inn", How to deal with crisis situations.
9/8: Moderator: Hospital diversions from Rural and Urban perspectives.
9/8: Intraosseous (IO) Abstract
9/8: ACD Update
9/9: IO Case Study
9/9: Marathon Runner

September 13, 2000 - Poster Presentation on "The Effects of a Hospital Diversion Policy in an Urban Setting" at the *HealthPartners Research Foundation's Celebration of Research* 2000.

September 10, 2000 - Case Presentation "Lightning Strike: An Unusual Case of Third Degree Burns" at the Tenth Annual Director's Retreat in Alexandria, Minnesota.

February 1999 - Poster Presentation on "RSI: A Pilot Training Project" Frascone RJ, Kaye KL, Gisch TM at *NAEMSP Winter Meeting*, in Marco Island, Florida.

February 2, 1998 - Presented "Plain Talk about OBRA/COBRA" at the 18th Annual Arrowhead EMS Conference in Duluth, Minnesota.

February 7, 1998 - Presented "Legislative Update" as part of a panel discussion at the 18th Annual Arrowhead EMS Conference in Duluth, Minnesota.

January, 1997 - Presented "It was a Miracle, But No Accident – 1996/Fascinoma Train Derailment" at NAEMSP Winter Assembly. Won second place in the national competition (multi-media presentation).

April 24, 1996 - Presented *OBRA/COBRA* for Polk County Community Grand Rounds.

April 10, 1996 - Presented *State of Minnesota EMS Regulatory Board* for Southeast EMS Region.

February 7, 1996 - Presented "N*ear Drowning* for Ramsey Emergency Department conference series on.

September 28, 1995 - Presented *State of Minnesota, EMS Regulatory Board* and *Train Derailment Incident* for Medical Directors Retreat.

COMMITTEE AND ADMINISTRATIVE SERVICE

Regions Hospital:

1/82 – 1/83	Medical Practices Committee
12/90 – Present	Trauma Committee
12/90 – Present	Trauma QI Committee
1/95 – Present	Disaster Committee

	Medical Director
1/95 – 1/97	Medical Executive Committee
2002 – 2005	Clinical Research Subcommittee Regions Hospital

Ramsey Clinic:

1/86 – 5/92	Nominating & Review Committee
1/86 – 1/98	Fringe Benefit Committee
1/92 – 1/93	Search Committee for Director of Trauma Services Department of Surgery

Emergency Medicine Department:

1982 – 2002	Emergency Department Equipment Committee
1/83 – 1/94	Billing/Reimbursement Committee
2/84 – 1/94	Physician Staffing Committee
3/92 – 6/95	Emergency Department Design Team

American College of Emergency Physicians

4/94 – 4/2002	Legislative Affairs Committee Chair
4/94 – 5/96; 7/04 – Present	Minnesota Chapter Board of Directors
10/99 - Present	Minnesota Chapter EMS Committee
2002 – 2005	Legislative Affairs Committee Co-Chair
3/05 – Present	Disaster Medical Assistance Team (DMAT) Board Member

State of Minnesota:

1992 – 1995	EMS Regulatory Board MDSAC Member
11/93 – 12/95	Metro Regions EMS Committee Metro Physician Delegate Vice Chair
2/94 – 6/94	Department of Health Medical Directors Work Group for Infectious Disease
1/96 – 8/97	EMS Regulatory Board Member
7/96 – 8/97	EMS Regulatory Board Chair, Legislative Affairs Committee
12/96 – 12/97	EMS Regulatory Board Vice Chair, Medical Direction Committee

1997	Medical Director's Retreat – Program Committee
8/97 – 4/00	EMS Regulatory Board Chair
1/01 – 1/05	Trauma System Core Workgroup State of Minnesota

City of St. Paul

1/89 to 1/90	St. Paul Fire Department Ten Year Master Plan Implementation Committee
4/89 – Present	St. Paul Fire Department Emergency Medical Dispatch Committee
12/91 - 5/03	Fire Chief Selection Committee
1/95 to Present	St. Paul Fire Department Labor Management Committee Member

Metro EMS:

1/93 – Present	Metro EMS Region Committee Member
2/94 – 12/98	Metro EMS Region Committee Vice Chair
2003 - Present	Metropolitan Medical Response System (MMRS) Steering Committee Member

East Metro Emergency Medical Services System

2/85 to Present	East Metro Pre-Hospital Advisory Committee Chair
8/85 to Present	Radio Operations Committee

Ski Patrol:

1984 to Present	Afton Alps Ski Patrol Medical Advisor Afton, MN
11/89 to Present	Western Region/Central Division Nat'1 Ski Patrol Medical Advisor
11/95 to Present	Trollhaugen Ski Patrol Medical Director Dresser, Wisconsin

American Red Cross - St. Paul Chapter:

6/87 to Present	Medical Director for EMS Section

Epilepsy Foundation of Minnesota

1/98 - 2001	EMS Training Committee
1/98 - 2001	Steering Committee Member
1/98 - 2001	Education Committee Member

Others

6/87 to 6/88	Friendship Ambulance Board of Directors and Medical Director
6/87 – Present	Nat'l Red Cross First Aid Advisory Committee
1990	Medical Director for EMS (Athletes & Spectators) Olympic Festival - Medical Director
12/90 – Present	Life Link III Medical Advisory Committee Chair
1/90 – Present	Life Link III Board Member
2/90 to 2/93	City of Woodbury Woodbury Ambulance Council Task Force for ALS
4/92	Life Link III CEO Search Committee
1998 2001	Cottage Grove Police Chief Selection Committee Cottage Grove Police Chief Selection Committee
1991	International Special Olympics Medical Committee
1992 - 1993	Citizens for a Safer Minnesota Board Member
1990 - Present	Minnesota State Fair Medical Director
1/92 – Present	Minnesota State Fire Chiefs' Association EMS Committee Member
6/92 – 8/93	National Association of Emergency Medical Services Physicians Program Committee
1994 to Present	Washington County EMS Advisory Committee
4/95 – 4/97	Medical Director Inver Hills Community College Emergency Health Services.
1995 to Present	Metro Region EMS Committee East Metro Medical Director
7/97 – 2001	National Association of Emergency Medical Services Physicians Federal Legislation Committee Co-Chair

10/97 – Present	Health Law Committee William Mitchell College of Law Member
2002 – 2004	American Heart Operation Heartbeat Chair
2004 – Present	Washington County Public Health Emergency Preparedness Advisory Committee
2004 – Present	American Heart Legislative Committee

ANNOTATED BIBLIOGRAPHY

Peer-Reviewed Publications

Hick, J. **Frascone, RJ., ETC…..** Health and Medical Preparedness and Response: 2008 Republican National Convention. Disaster Medicine and Public Health Preparedness, 2009 (in press).

Frascone, RJ., Grimm, K., Hick, J., Hillman, M. Medical Preparedness and Impact of the 2008 Republican National Convention. *Disaster Medicine*, 2009 (in press).

Frascone RJ, Jensen JP, Wewerka SS, Salzman JG. Use of the Pediatric EZ-IO Needle by EMS Providers. *Pediatric Emerg Care*, June 2009 (in press).

Frascone, RJ., Salzman, J., Dries, D. 2008 RNC. *Trauma Society*. 2009 (under review).

Frascone, RJ., Jensen, JP., Wewerka, SS., Salzman, J. Use of the Pediatric EZ-IO Needle by EMS Providers. *Pediatric Emergency Care*, June 2009 (in press).

Frascone, RJ., Salzman, J., Griffith, K., Dunbar, D. How Donut Magnets can Suspend Inappropriate ICD Shocks. *Journal of Emergency Medical Services*, July 2008, 33(7).

Heegaard, W., Fringer, Ryan C., **Frascone, R.J**., Pippert, G., Miner, J. Bispectral Index Monitoring in Helicopter Emergency medical Services Patients. *Prehosp. Emerg. Care*, 2009 April-June 13(2): 193-202.

Pippert G, Wewerka SS, **Frascone RJ**, Heegaard W, Salzman JG. Neonatal patient sound exposure during critical care transport [Abstract]. *Air Med J*. 2008 Sept-Oct;27(5):234-235.

Frascone RJ, Heegaard W, Pippert G, Dries D, Molinari P, Salzman J. Use of the Intubating Laryngeal Airway in HEMS. *Air Med J*. July-Aug 2008; 27(4):182-4.

Frascone RJ, Jensen JP, Wewerka SS, Salzman JG. EMS Provider Use of the Pediatric EZ-IO Needle in Pediatric Patients: A Pilot Study [Abstract]. *Prehosp Emerg Care*. 2008 Jan-March;12(1):138.

Salzman J, Aufderheide T, Swor R, Wayne M, Mahoney B, Stahl K, Medado P, Lapsansky J, Vasquez G, **Frascone RJ.** Community and Consultation and Public Disclosure: The ResQ Trial Experience [Abstract]. *Prehosp Emerg Care* . 2007 Jan-

Mar;11(1):118

Frascone RJ, Jensen J, Kaye KL, Salzman JG. Consecutive Field Trials Using Two Different Intraosseous Devices. *Prehospital Emergency Care*. Apr-June 2007;11(2):164.

Salzman JG**, Frascone RJ,** Godding BK, Provo TA, Gertner E. Implementing Emergency Research Requiring Exception from Informed Consent, Community Consultation, and Public Disclosure. *Annals Emerg Med*. ePub 2007 Jan 11.

Frascone RJ, Jensen J, Salzman JG, Kaye K. EZ-IO: A Field Trial [Abstract]. *Prehosp Emerg Care.* Jan-Mar 2006;10(1):123.

Aufderheide T, **Frascone RJ**, Pirrallo R. Resuscitation in 2005: New Ways to Optimize Manual CPR. *Emergency Medical Services*. Published in September, 2005. Pages 42-45.

Frascone R, Bitz D, Lurie K. Combination of active compression decompression cardiopulmonary resuscitation and the inspiratory impedance threshold device: state of the art. *Current Opinion in Critical Care*. Published in June, 2004, Vol 10, No 3.

Fringer F, Heegaard W, Dries D, **Frascone R**, Miner, J. Validation of Bispectral Index Monitoring in Aeromedical Transport. Abstract published in *Academic Emergency Medicine*. Presentation done at SAEM, Orlando, FL in May 2004.

Provo TA, **Frascone RJ**,: 12-Lead Electrocardiograms During Basic Life Support Care. *Prehospital Medical Care.* Published in April/June 2004 issue.

Heegaard W, Plummer D, Dries D, **Frascone RJ**, Pippert G, Steel D, Clinton J. Ultrasound for the Air Medical Clinician. *Air Medical Journal.* Published in March-April 2004 issue.

Lurie Keith, McKnite Scott, Nadkarni Vinay, Yannopoulos Demetris, Sigurdsson Gardar, Srinivasan Vijay, Marino Brad, **Frascone RJ**, Dries David, Idris Ahamed. Cardio-Cranial Interactions: Reduction of Elevated Intracranial Pressure with an Inspiratory Impedance Threshold Device in Spontaneously Breathing Pigs After Resuscitation from Cardiac Arrest. *Critical Care Medicine*. Abstract published December 2003, Supplement A10.

Kaye Koren, **Frascone RJ**, Held Tim: Prehospital Rapid Sequence Intubation: A Pilot Training Program. *Prehospital Emergency Care*. Published in April/June 2003 issue.

Plummer Dave, Heegaard William, Dries David, Reardon Rob, Pippert Greg, **Frascone RJ**: Ultrasound in HEMS: Its Role in Differentiating Shock States. *Air Medical Journal*. Published in March/April 2003 issue.

Frascone RJ, Dries David, Kaye Koren: ACD + ITV CPR: Where are we now. *The Scandinavian Journal of Trauma and Emergency Medicine*. Published in April, 2003 issue.

Frascone RJ, Kaye Koren, Dries David, Solem Lynn: A Successful Placement of a Sternal Intraosseous Line through Burned Skin, *Journal of Burn Care & Rehabilitation*. Published in September-Ocober 2003 issue.

Frascone RJ, Dries David, Gisch Terry, Kay Koren, Jensen Joe: Obtaining Vascular Access: Is There a Place for the Sternal IO? *Air Medical Journal.* Published in November/December 2001 issue.

Dries David, **Frascone RJ**, Molinari Paul, Heegaard William, Pippert Greg, Reardon Robert: Does the ILMA Make Sense in HEMS?, Submitted by Dr. Dries to *Air Medical Journal*, Published in September/October 2001 issue.

Frascone RJ, Gisch TM. Implementation of A Subregional Trauma System. *Minnesota Medicine*. June 1999; 82(6); 49-52

Lurie KG, Schultz JJ, Callaham ML, Schwab TM, Gisch T, Rector T, **Frascone RJ**, Long LA; Evaluation of Active Compression-Decompression CPR in Victims of Out-Of-Hospital Cardiac Arrest. *JAMA* 18(271):1405-1411, May, 1994.

Gisch TM, Schultz JJ, **Frascone RJ**, Long LA, Lurie KG; Selecting the Best Endpoint For a Cardiac Arrest Survival/Comparison Study: Lessons from the St. Paul, MN Prehospital Study. *Journal of Emergency Medical Services*. February 1994.

Hankins DG, Carruthers N, **Frascone RJ**, Long LA, Campion BC; Complication Rates for the Esophageal Obturator Airway and Endotracheal Tube in the Prehospital Setting. *Prehospital and Disaster Medicine* 8(2):117-121, April-June, 1993.

Hankins DG, **Frascone RJ**: The Helicopter and the EMS System; *Minnesota Medicine*, 71(11): 700-702, November, 1988.

Hankins DG, Ebert KD, Siebold CM, Fuller TK, **Frascone RJ**, Campion BC; Hepatitis B Vaccine and Hepatitis B Markers: Cost Effectiveness of Screening Prehospital Personnel. *American Journal of Emergency Med*icine 3:205-206, May, 1987.

Aufderheide TP, **Frascone RJ**, Cicero JJ; Simultaneous Bilateral Anterior and Posterior Shoulder dislocations. *American Journal of Emergency Med*icine 4:331-333, 1985.

Lamon RP, Cicero JJ, **Frascone RJ**, Hass WF; Open Treatment of Fingertip Amputations. *Annals of Emergency Med*icine12:358-360, June, 1983.

Frascone RJ, Cicero JJ, Sturm JT; Pneumopericardium Occurring During a High Speed Motorcycle Ride. *Journal of Trauma* 23:163-164, February, 1983.

Non-Peer-Reviewed Publications

"**Dr. RJ Frascone** Day" on May, 2000 Proclamation for Dedication to EMS. Ramsey County Board of Commissioners.

Holton D, Jacobson S, **Frascone, RJ**. Minnesota Department Highlighted for Its Role in Exciting new CPR Study. *Minnesota Fire Chief*, November/December 2005

Chapters in Books

Frascone, RJ, Patty, BD; Prehospital Orthopedic Treatment, *Emergency Management of Skeletal Injuries*, Ruiz E, Cicero J, Philadelphia, 1995 Mosby.

Abstracts, Preliminary Communications, Clinical Papers

Frascone RJ, Jensen J, Salzman J, Kaye K, Heegaard W, Pippert G. Abstract submitted: The Use of the EZ-IO™ Intraosseous Device in the Helicopter: A Case Series on March 15, 2006 to Air Medical Transport Conference to be held September 25, 2006 in Phoenix, Arizona. Abstract accepted April, 2006.

Frascone RJ, Heegaard W, Pippert G, Dries D, Molinari P, Salzman, J. Abstract

submitted: The Use of Intubating Laryngeal Mask Airway (ILMA) in Helicopter EMS: A Case Series on March 15, 2006 to Air Medical Transport Conference to be held September 25, 2006 in Phoenix, Arizona. Abstract accepted April, 2006. Won best clinical research award.

Frascone RJ, Jensen J, Salzman J, Kaye K. EZ-IO vs. F.A.S.T. 1: A Comparison of Two New Adult Intraosseous Devices. Poster presentation at the National Association of Emergency Medical Services Physicians Annual Meeting, January 19-23, Tuscon, AZ.

Editorials

Frascone, RJ; Quality? I'll know it when I see it. *Chest* 106 (5):1315-16, Nov, 1994