**Thomas Andreas Majcher, D.O., MHA, FAOCA**

Professor of Clinical Practice,

Vice Chair of Pediatric Anesthesiology

Department of Anesthesiology

University of Colorado School of Medicine

Division Chief,

Pediatric Anesthesiology

PARDI-in-Chief

Children’s Hospital Colorado

**PERSONAL DATA:**

Citizenship Status: United States of America

Veteran Status: United States Air Force

 Inactive Reserves

 Contact Information: 13123 East 16th Avenue

 Aurora, CO 80045

 720-777-5588

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**EDUCATION:**

 1979 BS, Biology Marietta College, Marietta, Ohio

 1984 D.O. Ohio University College Osteopathic Medicine, Athens, OH

 1984 - 1985 Internship, Transitional, Michigan State University College of

Osteopathic Medicine, Metropolitan Hospital, Grand Rapids, MI

 1985 - 1987 Residency, Anesthesiology, Michigan State University College

Osteopathic Medicine, Metropolitan Hospital, Grand Rapids, MI

 1987 - 1988 Fellowship, Pediatric Anesthesiology, Wayne State University

 School of Medicine, Children’s Hospital of Michigan,

 Detroit, MI

 Nov, 2010- Dec. 2010 Reserved Commissioned Officer Training

 AETC, Maxwell Air Force Base

 Montgomery, AL

 March 2011 Aerospace Medicine Primary Course 101

 USAF School of Aerospace Medicine

 Wright Patterson Air Force Base

 Dayton, OH

 April 2011 Aerospace Medicine Primary Course 102

 USAF School of Aerospace Medicine

 Wright Patterson Air Force Base

 Dayton, OH

 May 2011 Aerospace Medicine Primary Course 201

 USAF School of Aerospace Medicine

 Wright Patterson Air Force Base

 Dayton, OH

 September 2013 Aerospace Medicine Replacement Training Unit

 USAF School of Aerospace Medicine

 Wright Patterson Air Force Base

 Dayton, OH

 May 2018 Certificates in Conflict Resolution and Strategic Planning

 Dr. Tom Collins

 USC Price School of Public Policy

 University of Southern California

 Los Angeles, CA

 August 2018 Master of Health Administration

 USC Price School of Public Policy

 University of Southern California

 Los Angeles, CA

**SCHOOL OF MEDICINE APPOINTMENTS:**

July 1, 2020 – Present Vice Chair of Pediatric Anesthesiology

 Department of Anesthesiology,

 University of Colorado Denver School of Medicine

 Aurora, CO

 August 1, 2017 – Present Division Chief of Pediatric Anesthesiology

 Department of Anesthesiology,

 University of Colorado Denver School of Medicine

 Aurora, CO

July 1, 2017 – Present Professor of Clinical Practice, Dept. of Anesthesiology

 University of Colorado Denver School of Medicine

 Aurora, CO

July 1, 2010 – Present Associate Professor, Department of Anesthesiology,

 University of Colorado Denver School of Medicine

 Aurora, CO

 August, 2008 – June 2009 Visiting Associate Professor, Department of Anesthesiology,

 University of Colorado Health Sciences Center, Aurora, CO

 Sept., 2001 - Aug. 2008 Volunteer Faculty, Department of Anesthesiology,

 University of Colorado Health Sciences Center, Aurora, CO

 July, 1994 - August, 2001 Associate Clinical Professor, Department of Anesthesia, Indiana University School of Medicine, Indianapolis, IN

 August, 1988 - June, 1994 Assistant Clinical Professor, Department of Anesthesia,

 Indiana University School of Medicine, Indianapolis, IN

**MILITARY APPOINTMENTS:**

2010 – present Commissioned: Lieutenant Colonel, Unites States Air Force Reserve Medical Corps

2010 - 2016 Flight Surgeon, Combat Search and Rescue Medical Element

 308th Rescue Squadron

 Patrick Air Force Base, Cocoa Beach, FL

**HOSPITAL APPOINTMENTS:**

 January 2020 – Present PARDI-in-Chief (pathology, anesthesiology, rehabilitation medicine and diagnostic imaging)

 The Children’s Hospital, Aurora, Colorado

Sept. 2001 - Present Attending Anesthesiologist, Department of Anesthesiology,

 The Children’s Hospital, Aurora, Colorado

 March 2003 - Present Attending Anesthesiologist, Department of Anesthesiology, University of Colorado Hospital, Aurora, Colorado

 June 2005 - Present Attending Anesthesiologist, Department of Anesthesia, Exempla St. Joseph’s Hospital Denver, Colorado

Aug. 1988 - Aug. 2001 Attending Anesthesiologist, Department of Anesthesia, Pediatric Section, Riley Hospital for Children, Indianapolis, IN

 Aug. 1988 - Aug. 2001 Attending Anesthesiologist, Department of Anesthesia,

 The Wishard Hospital, Indianapolis, IN

May 1998 – Aug. 2001 Attending Anesthesiologist, Department of Anesthesia, William Roudebush Veterans Hospital, Indianapolis, IN

Sept. 2000 - Aug. 2001 Attending Anesthesiologist, Department of Anesthesia,

 St. Vincent’s Community Hospital, Indianapolis, Indiana

**HONORS, SPECIAL RECOGNITION AND AWARDS:**

Phi Kappa Phi Honor Society, USC Chapter

*Awarded for top academic performance in the Executive Master’s in Health Administration Program, Price School of Public Policy, University of Southern California.*

University of Southern California

Los Angeles, CA

 Global War on Terrorism Service Medal

*This medal is awarded individuals who either directly or indirectly supported or served in support of the Global War on Terrorism specified operations on or after Sept. 11, 2001.* March 2010

Air Force Training Ribbon

*It is awarded to U.S. Air Force service members on completion of initial accession training.* December 2010

Air Force Longevity Service Award

*It is awarded to all service members of the U.S. Air Force who complete four years of honorable active or reserve military service.* March 2014

Meritorious Service Medal

*The Meritorious Service Medal may be awarded to any member of the Armed Forces of the United States who distinguishes themselves by either outstanding achievement or meritorious service to the United States.* September 2014

National Defense Service Medal

*Awarded for honorable active military service as a member of the armed forces of the United States from Sept. 11, 2001 (terrorism attacks on the United States).* March 2010

Children’s Hospital Colorado Pillar Award

*Epic Anesthesia Hospital award for my work as the executive sponsor, leading our design and implementation of Epic’s anesthesia system at Children’s Hospital Colorado. December 2011*

Outstanding Teacher of the Year, Department of Anesthesiology, University of CO School of Medicine

*3-time winner of this award given to the most outstanding of the 50 Anesthesiology pediatric anesthesiology faculty as voted by the resident house staff.* June 2003, 2005, 2008

Fellow Conferred, American Osteopathic College of Anesthesiologists

*Fellow status is earned through active and exemplary participation in both the profession of anesthesiology and the organization of the AOCA.* October 2002

Faculty of the Year, Department of Anesthesia, Indiana University School of Medicine

*7-time winner of this award given to the single most outstanding of the 50 Anesthesiology faculty as voted by the resident house staff.* June 1989, 1990, 1991, 1992, 1994, 1996, 1998

Chief Fellow, Children’s Hospital of Michigan

*Administrative position awarded to the most outstanding Anesthesiology resident at Metropolitan Hospital.* July 1986

Chief Resident, Metropolitan Hospital

*Administrative position awarded to the most outstanding Anesthesiology resident at Metropolitan Hospital.* July 1986

Intern of the Year, Metropolitan Hospital

*Awarded to the most outstanding intern at Metropolitan Hospital.* June 1985

Doctor’s Hospital, Medical Student of the Year

*Awarded to the most outstanding senior medical student from the central Ohio region.* May 1984

BBB, Biological Honor Society, Marietta College

*National honor society of undergraduates interested in the biological sciences.* January 1979

**PROFESSIONAL SOCIETIES:**

Current Professional and Scientific Organizations and Societies:

1981 - Present American Osteopathic Association

 1985 - Present International Anesthesia Research Society

 1985 - Present American Society of Anesthesiologists

 1985 - Present American Osteopathic College of Anesthesiologists

 2001 - Present Society of Pediatric Anesthesia

 2007 - Present American Association of Clinical Directors

2009 - Present Colorado Medical Society

2009 - Present Colorado Society of Anesthesiologists

Past and Current Positions and/or Offices Held in Professional Organizations:

1993 - 2001 Oral Board Examiner, American Osteopathic Board of Anesthesiologists

1999 Chairman and Director, Mid-Year Seminar, American Osteopathic College of Anesthesiologists

2007 - 2010 Board of Governors, American Osteopathic College of Anesthesiologists

2007 - 2010 Rules and Regulations Committee, American Osteopathic College of Anesthesiologists

**CLINICAL WORK:**

1988 - 2001 Riley Hospital for Children, 60 hours/week x 46 weeks/year

 Pediatric Anesthesiologist

 Pediatric Cardiac Anesthesia

 Pediatric Intensive Care

 Pediatric Acute and Chronic Pain Management

2001 - 2017 Children’s Hospital Colorado, Aurora, CO,

 60 hours/week x 46 weeks/year

 Pediatric Anesthesiologist

 Pediatric Acute Pain Management

 2017- present Children’s Hospital Colorado, Aurora, CO,

 10 hours/week x 46 weeks/year

Pediatric Anesthesiologist

 Pediatric Acute Pain Management

**MAJOR COMMITTEES:**

Children’s Hospital Colorado

2002 – Present Perioperative Surgical Operations Team

2004 - 2011 Spine Infection Task Force

2004 - 2010 Fitzsimmons Design and Build Committee

2005 - Present Perioperative Services Operation (O.R.) Committee

2006 - 2010 Board of Managers: Memorial Hospital for

 Children/TCH affiliation

2010- 2012 EPIC anesthesia implementation team

2010 - Present Epic Leadership Group

2010 – 2012 On Time Starts Committee

2011 – 2014 Radiology/Procedure Center reconstruction redesign team

2011 – 2014 South Satellite Hospital Design and Build Committee

2012 – Present Children’s Hospital Clinical Operations Group, Exec. Sponsor

2012 – Present Perioperative Quality Committee

2015 – Present Colorado Springs Hospital Design and Build Committee

2015 – Present Section Quality Committee

2017 – Present Executive Preoperative Operations Council, Co-Directo

 2017 – Present Children’s Hospital Affiliation Group Committee

2017 – Present Surgical Chairs Committee

2017 – Present Children’s Hospital Medical Board

2017 – Present Children’s Hospital Medical Executive Board

2017 – Present Children’s Hospital Board of Directors

2017 – Present Children’s Hospital Executive Team

University of Colorado Department of Anesthesiology

2005 - Present Pediatric Anesthesia Executive Committee

2016 – Present Departmental Organizational Chart Committee

2017 – Present Departmental Executive Committee

National

2006 - 2007 Member, Collaborative National Expert Panel on Surgical

 Infection Prevention, CHCA

2010-2016 Member, Pararescue Medical Operations Oversight Board

Past Committees: Indianapolis, Indiana

Riley Hospital for Children

1995 - 1996 Chair, Conscious Sedation Committee

1993 - 1994 M.R.I. Design Committee

1990 - 1992 Committee for Outpatient Sedation

1990 - 1995 Ad Hoc Code 99 Committee

Department of Anesthesia

1989 - 2001 Quality Management Committee

1988 - 1999 Resident Selection Committee

1988 - 1999 Morbidity and Mortality Committee

Indiana University School of Medicine

1994 - 1996 Indiana University Professional Standards Committee

1993 - 2001 Chair, Indiana University Physicians Assistance Committee

1992 - Present Indiana University Physicians Assistance Committee

1991 - 1995 Indiana University Bioethics Committee

 State of Indiana

1993 - 1996 Commission on Physician Assistance Indiana State Medical Association

1993 - 1996 Executive Committee: Commission on Physician Assistance, Indiana State Medical Association

1990 - 1996 Sub-commission on Hospital Accreditation, Indiana State Medical Association

**SERVICE RESPONSIBILITIES:**

2017 – Present Section Chief, Pediatric Anesthesiology, Children’s Hopsital Colorado

2013 – Present Perioperative Medical Director, Children’s Hospital Colorado South Campus

2006 - Present Clinical Director, Anesthesiology, Children’s Hospital Colorado

2005 - Present Medical Director, American Association of Anesthesia Technicians and Technologists, Denver Chapter

2006 - 2011 Director, Off-site Neonatal Anesthesia Services, Department of Anesthesiology, University of Colorado Hospitals

2002 - Present Medical Director, Perioperative Service Technicians, Children’s Hospital Colorado

1989 - 2000 Founder and Director, Riley Hospital for Children Pediatric Chronic Pain Clinic Department of Anesthesia, Indiana University School of Medicine

**LICENSURE AND BOARD CERTIFICATIONS:**

 Certification

 1985 Diplomate, National Board of Osteopathic Medical Examiners

1. American Osteopathic Board of Anesthesiology (no expiration)

2017 Pediatric Anesthesiology Certification - AOBA (expires 2027)

 Licensure

 *Active:* Colorado Permanent Unrestricted Medical License

 Issued: 2001

 Indiana Permanent Unrestricted Medical License Issued: 1988

 Texas Permanent Unrestricted Medical License Issued: 2004

 *Inactive:* Nevada Voluntarily surrendered

 Michigan Voluntarily surrendered

**OTHER PROFESSIONAL ACTIVITIES:**

2005 - Present Children’s CO Procedure Center Development Team

2002 - Present JCAHO Team Leader, Children’s CO Perioperative Services

2006 - 2007 Graduate, Children’s CO Leadership Breakthrough Program

1996 - 1999 Commission on Accreditation, Indiana State Medical

 Association

1995 - 1997 Methodist Merger Task Force, Department of Anesthesia,

 Indiana University School of Medicine

1993 - 2001 Oral Board Examiner, American Osteopathic Board of

 Anesthesiologists

1993 - 1995 Indiana University Medical School Visiting Professor Program

 Indiana University School of Medicine

1993 - 1995 Continuing Medical Education Representative, Department

 of Anesthesia, Indiana University School of Medicine

1993 - 1995 Riley Hospital for Children Parent-House Staff Seminar

 Program, Indiana University School of Medicine

1992 - 1994 Preventive Health Care Task Force, Indiana State Medical

 Association

1992 - 1994 Pediatric Anesthesia/Pediatric Radiology Liaison, Riley

 Children’s Hospital

1991 - 1998 Director: CA-1 Clinical base core lecture series, Department

of Anesthesia, Indiana University School of Medicine

**COMMUNITY SERVICE:**

1996 - 1997 Vice President Special Events, Parent Teacher Fellowship

 Board of Directors, Heritage Christian School Indianapolis, Indiana

1997 - 1999 President, Board of Directors, Heritage Christian School

 Parent Teacher Fellowship, Indianapolis, Indiana

2004 - 2007 President, Chatfield Senior High School Softball Booster Club

**INVITED LECTURES, PRESENTATIONS, PROFESSORSHIPS:**

5/14/2014 Aerospace Medical Society (ASMA) Annual Conference

 San Diego, CA

 Helicopter Medical Operations, Operation Enduring Freedom

2/21/2013 CRASH 2013

 Vail, Colorado

 Drug Shortages, Practical Considerations

1/17/2009 AOCA Mid-Winter Conference

 Kansas City, MO

 “Neonatal Anesthesia”

10/27/2006 2006 Pain Conference, The Children’s Hospital

 Denver, Colorado

 “Management of Chronic Pain”

4/25/2004 American College of Osteopathic Pediatricians

 Annual spring seminar

 Boston, Massachusetts

 “Pediatric Pain Management and Sedation”

 3/21/99 American Osteopathic College of Anesthesiologists

 Mid-year seminar

 Chicago, Illinois

 “Management of Acute Pediatric Pain”

 1/15/99 Union Hospital

 Grand Rounds

 Terre Haute, Indiana

 “Management of Acute Pediatric Pain”

 10/06/98 American Osteopathic College of Anesthesiologists

 Annual National Conference

 Dana Point, California

 “Pediatric Conscious Sedation”

 03/22/97 American Osteopathic College of Anesthesiologists

 Mid-year seminar

 Chicago, Illinois

 “Pediatric Recovery Room Problems””

03/05/97 11th Annual Review Course in Anesthesiology

 Miami Beach, Florida

 “Pediatric chronic pain”

 “Management of pediatric postoperative pain”

 “Sedation and analgesia”

 05/02/96 Methodist Hospital Department of Family Medicine

 Indianapolis, Indiana

 “The Impaired Physician”

 06/17/96 Parkview Hospital Grand Rounds

 Fort Wayne, Indiana

 “Pediatric Conscious Sedation”

 03/02/96 Indiana Association of Recovery Room Nurses

 Indianapolis, Indiana

 “Pediatric Recovery Room Problems”

 02/22/95 United Mission Hospital

 Katmandu, Nepal

 “Pediatric Pain”

 02/15/95 Department of Anesthesiology

 Cuttack School of Medicine

 Cuttack, India

 “Caudal Analgesia”

 09/27/94 American Osteopathic College of Anesthesiologists

 Annual National Conference

 Rancho Mirage, California

 “The Impaired Physician”

 06/23/94 Ohio Osteopathic Association Annual Meeting

 Cleveland, Ohio

 “The Impaired Physician”

 04/06/94 Butterworth Hospital

 Grand Rapids, Michigan

 “Caudal Analgesia”

 04/05/94 Blodgett Hospital

 Grand Rapids, Michigan

 “Co-Existing Pediatric Disease”

 02/13/94 Indiana Society of Anesthesiologists Anesthesia Update

 Indianapolis, Indiana

 “The Impaired Physician”

 11/01/93 American Osteopathic College of Anesthesiologists

 Annual National Conference

 Orlando, Florida

 “Chronic Pain in Pediatrics”

 03/02/93 Memorial Hospital

 South Bend, Indiana

 “Pediatric Anesthesia and Co-existing Disease”

 01/01/93 Richmond Hospital

 Richmond, Indiana

 “Treatment of Acute Pediatric Pain”

 12/05/92 Indiana University School of Medicine

 Conference on Acute Pain Management in Pediatrics

 Indianapolis, Indiana

 “Monitoring and Conscious Sedation Update”

 10/03/92 American Osteopathic College of Anesthesiologists

 Annual National Conference

 Tucson, Arizona

 “Pediatric Anesthesia and Co-existing Disease”

 03/17/92 Toledo Hospital

 Toledo, Ohio

 “Caudal Analgesia”

 03/10/92 Ball Memorial Hospital

 Muncie, Indiana

 “Pediatric Sedation”

 02/02/92 Indiana Society of Anesthesiologists Anesthesia Update

 Indianapolis, Indiana

 “Pediatric Chronic Pain”

 09/30/91 American Osteopathic College of Anesthesiologists

 Annual National Conference

 Williamsburg, Virginia

 “Caudal Analgesia”

03/18/89 Indiana Society of Anesthesiologists Annual Meeting

 Indianapolis, Indiana

 “Neonatal Surgical Emergencies”

**TEACHING:**

**TEACHING ASSIGNMENTS: CHILDREN’S HOSPITAL COLORADO**

Section on Pediatric Anesthesia - Residents/Fellows/MS 30 min. Lecturer

1/4/02 Anesthesia for the Premature Infant

2/20/02 Monitoring Systems

3/21/02 The PACU

6/27/02 Metabolic and Endocrine Effects of Surgery and Critical Illness

7/9/02 Anesthesia for the Premature Infant

8/13/02 Metabolic and Endocrine Effects of Surgery and Critical Illness

10/3/02 Monitoring Systems

12/17/02 Anesthesia for the Premature Infant

1/8/03 Anesthesia for the Premature Infant

2/24/03 Monitoring Systems

4/9/03 Anesthesia for the Premature Infant

6/12/03 The PACU

8/18/03 Metabolic and Endocrine Effects of Surgery and Critical Illness

10/6/03 The PACU

1/14/04 Anesthesia for the Premature Infant

2/27/04 Monitoring Systems

4/9/04 Anesthesia for the Premature Infant

6/24/04 Monitoring Systems

7/13/04 Metabolic and Endocrine Effects of Surgery and Critical Illness

8/6/04 Metabolic and Endocrine Effects of Surgery and Critical Illness

 10/11/04 Anesthesia for the Premature Infant

11/16/04 Monitoring Systems

1/27/05 Metabolic and Endocrine Effects of Surgery and Critical Illness

3/30/05 Metabolic and Endocrine Effects of Surgery and Critical Illness

5/18/05 Anesthesia for the Premature Infant

6/30/05 The PACU

7/8/05 JCAHO Presentation

7/14/05 Anesthesia for the Premature Infant

8/10/05 Metabolic and Endocrine Effects of Surgery and Critical Illness 9/27/05 Monitoring Systems

10/11/05 Monitoring Systems

11/11/05 Anesthesia for the Premature Infant

12/8/05 Monitoring Systems

1/17/06 Anesthesia for the Premature Infant

2/8/06 Monitoring Systems

4/5/06 Anesthesia for the Premature Infant

6/16/06 The PACU

7/11/06 Metabolic and Endocrine Effects of Surgery and Critical Illness

8/10/06 Metabolic and Endocrine Effects of Surgery and Critical Illness

10/4/06 Monitoring System

12/19/06 Anesthesia for the Premature Infant

1/26/07 Journal Club

3/21/07 Metabolic and Endocrine Effects of Surgery and Critical Illness

6/5/07 Monitoring Systems

10/18/07 Metabolic and Endocrine Effects of Surgery and Critical Illness

11/8/07 Anesthesia for the Premature Infant

12/12/07 Metabolic and Endocrine Effects of Surgery and Critical Illness

5/13/08 Anesthesia Monitoring Systems

6/6/08 Metabolic and Endocrine Effects of Surgery and Critical Illness

8/15/08 Anesthesia for the Premature Infant

10/2/08 Anesthesia for the Premature Infant

11/12/08 Monitoring Systems

7/10/09 The GE LOGIQe Ultrasound Machine

8/5/09 Anesthesia for the Premature Infant

3/1/10 Metabolic and Endocrine Effects of Surgery and Critical Illness

6/16/10 Monitoring Systems

10/28/10 Metabolic and Endocrine Effects of Surgery and Critical Illness

11/15/10 Anesthesia for the Premature Infant

12/9/10 Metabolic and Endocrine Effects of Surgery and Critical Illness

5/5/11 Anesthesia Monitoring Systems

6/16/11 Metabolic and Endocrine Effects of Surgery and Critical Illness

8/4/11 Anesthesia for the Premature Infant

10/13/11 Anesthesia for the Premature Infant

11/12/11 Monitoring Systems

3/22/12 Metabolic and Endocrine Effects of Surgery and Critical Illness

6/8/12 Monitoring Systems

10/25/12 Metabolic and Endocrine Effects of Surgery and Critical Illness

11/15/12 Anesthesia for the Premature Infant

12/20/12 Metabolic and Endocrine Effects of Surgery and Critical Illness

3/21/13 Metabolic and Endocrine Effects of Surgery and Critical Illness

6/6/13 Monitoring Systems

10/24/13 Metabolic and Endocrine Effects of Surgery and Critical Illness

11/14/13 Anesthesia for the Premature Infant

12/19/13 Metabolic and Endocrine Effects of Surgery and Critical Illness

05/08/14 Drug Diversion

07/23/14 Anesthesia and Asthma

12/31/14 Anesthetic Implications of Chronic Lung Disease

04/16/15 Air Force Medicine

07/24/15 Anesthesia and Asthma

12/10/15 Anesthetic Implications of Chronic Lung Disease

07/29/16 Air Force Medicine

**TEACHING ASSIGNMENTS: INDIANA UNIVERSITY**

 Course # Short Title Term Enrollment

 L804 Junior Medical Students 88-92 280

 L804 Junior Anesthesia Clerkship 88-92 280

93AN690 Senior Anesthesia Clerkship 92-2001 280

 93AK740 Anesthesia Senior Elective 88-2001 10

Lectures given as part of L804, 93AN690 45 minutes duration Lecturer

 12/07/89 Acid-Base balance in Advanced Cardiac Life Support

 12/06/90 Venous access in Advanced Cardiac Life Support

 03/07/91 Management of the Airway in Advanced Cardiac Life Support

 6/93 - 6/97 Conscious Sedation for Pediatric Patients

The lecture on Conscious Sedation was given every other month throughout the academic year dealing with issues on conscious sedation as they relate to primary care. Junior Medical Student teaching also occurs at the bedside during the student’s rotation through the operating room.

Lectures given as part of 93AK740

Students rotating through the operating room during their Senior Elective attend the Pediatric Section Lectures listed below. In addition, they receive extensive teaching at the bedside in the operating room.

Section on Pediatric Anesthesia - Residents/Fellows/MS 30 min. Lecturer

09/27/88 Pediatric breathing circuits

11/10/88 Neonatal surgical emergencies I

11/25/88 Pediatric emergencies I

11/29/88 Pediatric emergencies II

01/26/89 Neonatal surgical emergencies II

02/17/89 Neonatal anesthesia

03/21/89 Pediatric ophthalmological anesthesia

04/20/89 Cardiac anesthesia I

04/27/89 Cardiac anesthesia II

07/29/89 Cardiac catheterization

08/18/89 Scoliosis

11/21/89 Craniectomy

01/11/90 Pediatric induction techniques

02/27/90 Bronchopulmonary dysplasia

08/28/90 Preoperative evaluation

09/27/90 Postoperative analgesia

12/11/90 Pain management

01/15/91 The premature/ex-premature infant

02/14/91 Muscle relaxants

09/12/91 Pain management

01/14/92 Cranial reconstruction

09/01/92 Regional anesthesia

09/29/92 Chronic pediatric pain

10/27/92 Cardiac catheterization

02/04/93 Cardiac catheterization

04/06/93 Acute pediatric pain

08/26/93 Cardiac catheterization

11/18/93 Cardiac catheterization

02/10/93 Cardiac catheterization

Anesthesia Residency Teaching Assignments

1st Year Core Curriculum - Anesthesia Residents 45 min. Lecturer

08/24/89 Recovery room problems

11/09/89 Toxicity of local anesthetics

07/11/90 Rapid problem solving, anesthetic records

07/12/90 Preoperative evaluation, medication

08/29/90 Recovery room problems

11/15/90 Toxicity of local anesthetics

07/10/91 Rapid problem solving, anesthetic records

07/11/91 Preoperative evaluation, medication

08/15/91 Recovery room problems

09/12/91 Pain management

12/05/91 Pediatric pain problems

07/15/92 Rapid problem solving, anesthetic records

07/23/92 Pharmacokinetics: Inhaled anesthetics

08/27/92 Recovery room problems

12/09/92 Pediatric pain problems

07/14/93 The impaired physician

07/15/93 Rapid problem solving, anesthetic records

07/21/93 Preoperative evaluation

08/08/93 Pharmacokinetics: Inhaled anesthetics

09/01/93 Recovery room problems

07/13/94 Rapid problem solving, anesthetic records

07/21/94 Preoperative evaluation

07/28/94 Pharmacokinetics: Inhaled anesthetics

08/08/94 The impaired physician

08/24/94 Recovery room problems

07/12/95 Rapid problem solving

07/26/95 Pharmacokinetics: Inhaled anesthetics

08/23/95 The impaired physician

08/30/95 Recovery room problems

05/14/96 Impaired physician resident/spouse seminar

07/17/96 Rapid problem solving

08/22/96 The impaired physician

08/29/96 Recovery room problems

07/16/97 Rapid problem solving

08/21/97 The impaired physician

08/28/97 Recovery room problems

07/09/98 Rapid problem solving

08/06/98 The impaired physician

08/27/98 Recovery room problems

07/15/99 Rapid problem solving

08/12/99 The impaired physician

09/02/99 Recovery room problems

 2nd Year Core Curriculum - Anesthesia Residents 45 min. Lecturer

05/15/91 Septic shock

12/09/91 Local anesthetic toxicity

04/08/92 Septic shock

12/08/92 Local anesthetic toxicity

12/08/93 Pediatric chronic Pain

04/20/94 Septic shock

11/23/94 Pediatric chronic Pain

03/15/95 Septic shock

12/13/95 Pediatric chronic Pain

3/13/96 Septic shock

12/11/96 Pediatric chronic Pain

12/11/97 Pediatric chronic Pain

03/18/98 Developing Hospital Policy

12/10/98 Pediatric chronic Pain

04/14/99 Developing Hospital Policy

 3rd Year Core Curriculum - Anesthesia Residents 45 min. Lecturer

10/14/95 Oral board practical review

02/14/96 Anesthesia for ENT procedures

04/10/96 Oral board practical review

09/25/96 Oral board practical review

02/19/97 Anesthesia for ENT procedures

02/26/97 Oral board practical review

02/18/98 Anesthesia for ENT procedures

09/16/98 Oral board practical review

02/17/99 Anesthesia for ENT procedures

10/21/98 Oral board practical review

12/09/98 Oral board practical review

09/15/99 Oral board practical review

Chronic Pain Curriculum - Anesthesia Residents, Pain Fellows 45 min. Lecturer

08/11/95 Literature review: Pediatric Pain

10/18/95 Literature review: Cancer Pain

Department of Anesthesia – Grand Rounds 1 hour Lecturer

02/08/89 Journal report

02/14/89 Case report: Omphalocele

08/09/89 Morbidity and mortality conference

01/03/90 Morbidity and mortality conference

05/02/90 Morbidity and mortality conference

10/03/90 Morbidity and mortality conference

02/11/91 Morbidity and mortality conference

02/08/92 Morbidity and mortality conference

01/06/93 Journal report

04/30/97 Morbidity and mortality conference

Indiana University - Inter-Departmental Grand Rounds 1 hour Lecturer

08/13/92 Sedative-hypnotic support for the terminally ill

 Dept. of Medicine Grand Rounds

09/09/92 Pediatric conscious sedation:

 Dept. of Radiology Grand Rounds

10/15/92 Human immune deficiency virus; is routine screening indicated?

 Ethics Committee Debate

11/25/92 Pediatric mechanical ventilation:

 Section of Pediatric Surgery Grand Rounds

06/10/94 The impaired physician:

 Department of Medicine Grand Rounds

03/21/96 The impaired physician:

 Department of Medicine Morning Rounds

Indiana University Hospitals - Nursing Staff 45 min. Lecturer

10/11/89 Malignant hyperthermia

07/07/90 Pediatric resuscitation

04/17/96 Pediatric pain management

04/09/90 Malignant hyperthermia

06/03/92 Pediatric chronic pain

04/17/96 Post-surgical pediatric pain management

08/21/97 Pediatric postoperative pain management

**SCHOLARSHIP:**

**SCHOLARSHIP OF APPLICATION:**

Pediatric Chronic Pain, Indiana University: In 1989, I established the first multidisciplinary chronic pain clinic in Indiana; combining the resources of physical therapy, psychology, and anesthesiology to evaluate and treat children suffering from various chronic pain syndromes.

Scholarly activity in role as Clinical Director, Section of Pediatric Anesthesiology:

1. *Leadership in Section Intranet Development:* I lead the development of, and have responsibility for the content within our SharePoint Section Intranet which allows faculty to have easy access to critical information.

2. *Writing and oversight of major Guidelines and Clinical Care Pathways:* Responsible for the content of each of our Pediatric Anesthesia Clinical Care Pathways, which are evidence based and represent our opinion of best practice. I am working toward using these Guidelines and Care Pathways as the nidus for the development of a concept called “Perioperative Surgical Home”.

* Protocol for Anesthesia for Deep Brain Stimulation (DBS)
* AERO
* Airway escalation algorithm
* Anesthesia Ventilators and Inhaled Agents in the PICU for Status Asthmatics
* Anesthesiology Guideline ACL repair
* Anesthesiology Guideline hip arthroscopy
* Anesthesiology Guidelines Pena Colorectal Surgeries
* Anesthetic Care of Diabetic Children at CHCO
* Cephalosporins for penicillin allergy
* Craniosynostosis Repair
* DISNE- Drug-induced Sleep Nasal Endoscopy
* Dorsal Rhizotomy
* EDAS
* Epilepsy Surgery
* ERAS Guidelines
* EXIT Procedure
* Guidelines for Anesthesia Management of Urgent Rad Studies
* Hip Disarticulation
* 1-131 Metaiodobenzylguanidine 1-MIBG Anxiolysis/Sedation CHCO Guidelines Jan 2016
* Laryngotracheal Reconstruction
* Liver Transplant Manual 4-16-16
* Major Ortho Oncology
* Muscular Sparing Thoracotomy
* Myelomeningocele Repair
* North Surgery Center Hip Guidelines
* Pectus Repair
* Posterior Spinal Fusion
* Protocol for ECoG
* Protocol for Stroke Management
* Renal Transplant Guidelines
* SBE Prophylaxis 2007 AHA Recs
* St. Joseph’s Hospital Scheduling Protocol
* Tethered Cord
* UCH Robot Checklist (Dr. Janosy)
* UCH Scheduling Protocol
* Visualase Laser Ablation
* VP Shunt

3. *Writing and maintenance of Perioperative Policies and Procedures:* Responsible for the creation and updates on all Children’s Hospital policies as they relate to anesthesiology and perioperative care.

* Admission Criteria for Perioperative Services at CHCO South Campus
* Admission for Former Premature Infants, Post-Anesthetic and Post-Sedation
* Anesthesia Awareness
* Anesthesia Sign-In
* Anesthesiology Infection Control Policy and Procedure
* Blood Transfusion: Court Orders for Parents Refusing Transfusions
* Care of Corneal Injuries
* Fluid/Blood Warmers and Rapid Infusors
* Malignant Hyperthermia
* Massive Transfusion Protocol
* NPO Guidelines
* Pregnancy Testing for Elective Surgery or Anesthesia
* Stroke: Management of Patients Requiring Anesthesia

Children’s Hospital Colorado Process and Building Design:

1. *Obstetric and Fetal Services, Children’s Hospital Colorado:* I had oversight in standing up obstetrical anesthesia services and anesthesiology support of fetal surgery at Children’s Hospital Colorado including input into the design and build of the new Maternal Fetal Center. The maternal-fetal center provides a service that draws patients from a national pool and provides multiple unique teaching and research opportunities.
2. *Omnicell Anesthesia Work Station (AWS) project:* I was responsible for the $1,000,000 budget Omnicell Anesthesia Workstation (AWS) project which provides a safe and reliable method for dispensing, charging, and securing anesthesia medications and is a major deterrent against drug diversion.
3. *Epic Anesthesiology Anesthesia Information Management System project:* I was the executive sponsor responsible for a $1,000,000 Epic Anesthesia Information Management System development and implementation project at Children’s Hospital Colorado. This successful implementation of Epic in our Section has become the cornerstone of patient safety, quality and research projects in anesthesiology. I was awarded the hospital’s prestigious “*Pillar Award”*, see attached, for my work in this area.
4. *Codonics Medication Management System project:* I am the executive sponsor of the $500,000 budgeted Codonics Medication Label system. This project dovetails with the Omnicell AWS system and will be responsible for a $384,000 per year savings in lost drug charges, increased patient safety, provider efficiency and future research opportunities.
5. *Radiology-Procedure Center re-design and construction project:* I was the anesthesiologist responsible for the Concept and design of a multi-million-dollar Radiology & Procedure Center re-construction project at Children’s Hospital Colorado resulting in the addition of a 4th MRI scanner and approximately 15 additional recovery room bed spaces for the Procedure Center on the first floor. The additional scanner has opened up appointments for fetal MRIs to support the Maternal and Fetal Center and allowed MRI block time for Radiology MRI research.
6. *South Campus Hospital Perioperative design and construction project:* I was the lead anesthesiologist responsible for the concept and design of a multi-million-dollar 4 Operating Room Perioperative suite in the new Children’s Hospital Colorado South Campus.
7. *Colorado Springs Campus Hospital Periop. design and construction project:* I am currently the lead anesthesiologist on the Design Team of a multi-million-dollar budget Colorado Springs Campus perioperative suite consisting of 8 operating rooms, 30 prep/recovery rooms, a conference center, and support space.

Aerospace Medicine Air Force Reserve Medial Corps

1. *Medical Director Air Force Pararescue Squadron:* Medical Director of over 40 National Registry of Emergency Medical Technicians-Paramedics. Responsibilities included: Oversight of sustainment training, development of curricula for ongoing medical training, writing of local protocols and design and implementation of medical training exercises.
2. *Air Force Reserve Preservation of The Force & Family (POTFF) Program:* I was the lead flight surgeon for the concept and development of a wellness program for Air Force Reserve Pararescuemen to maintain fitness and decrease psychological and physical morbidity.
3. *Cognitive Aid Development, Military Critical Care Worksheet:* Developed a laminated reference card of critical care medications and equipment that is currently being used in the military as well as in various civilian tactical environments. See attached, includes testimonial email from Lake County Florida SWAT.
4. *Pararescue Medical Operations Handbook:* Co-authored a 213 page Pararescue field guide with protocols and treatments for common military first responder and field clinic situations. This field guide is utilized in the Air Force Pararescue training pipeline and in regional squadron-level training and is carried with every deployed Pararescueman as a reference.

**SCHOLARSHIP OF EDUCATION**

1. *Physician Impairment Curriculum Design and Implementation:* Designed a novel course which teaches anesthesia residents the risk of substance abuse and drug diversion and involves their significant others in a home-based setting. See Teaching portfolio for details.
2. *Curriculum and Design for Air Force Pararescue:* As the Chief Flight Surgeon overseeing Air Force Reserve Pararescumen at Patrick AFB, completely overhauled the sustainment training of these special operations paramedics through newly designed curricula including simulation, mass casualty events, live tissue, and traditional lectures.

**BIBLIOGRAPHY:**

 Books

1. Emhardt JD, **Majcher TA**: Anesthesia: Pediatric Applications. The Use of Lasers in Head and Neck Surgery, Ed. by Weisberger E., Igaku-Shoin, 47-64, 1991.

2. Silverman DG, Schneider M: Clinical Anesthesia, A Review Text, Lippincott, 1994, Contributing author.

3. Pararescue Medial Operations Handbook, USAF Pararescue, 6th Edition, 2014. Contributing author.

 Papers published (peer reviewed)

* 1. **Majcher TA**, Means LJ: Pain management in children. Seminars in Pediatric Surgery 1:55-64, 1992.
	2. Harker HE, **Majcher TA**: Hypermagnesemia in a pediatric patient. Anesthesia Analgesia 91(5):1160-2, 2000.

Competitive abstracts

1. Guffey P, Poppy C, **Majcher T**. Implementation and results of an electronic, photo based, anesthesia sign-in at a large, academic pediatric hospital. SPA Annual Meeting 2013. Oral Poster.

 2. Schwan C, Rush S, **Majcher T.** Rotary Wing Medical Operations in Afghanistan presented at Aerospace Medical Association annual conference 2014. San Diego, CA. Oral presentation.

Review

**Majcher TA**: Book Review of Smith’s: Anesthesia for Infants and Children in Pediatric Pulmonology, 11:187, 1991.