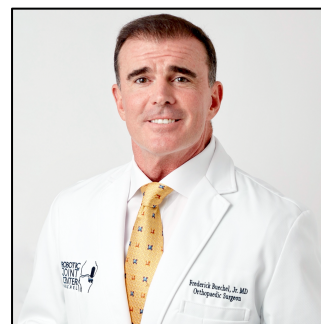


**CURRICULUM VITAE (CV)**  
for  
**FREDERICK F. BUECHEL, JR. MD**

737 Park Avenue  
New York, NY 10021  
212-308-3089



**EDUCATION**

08/1983 – 06/1987

**HIGH SCHOOL DEGREE**

Seton Hall Preparatory School  
West Orange, New Jersey USA

08/1987-06/1991

**UNDERGRADUATE DEGREE**

Bachelor of Science – B.S., Biology-Vertebrate Physiology  
The Pennsylvania State University, “Penn State”  
University Park, Pennsylvania USA

08/1991-06/1995

**MEDICAL SCHOOL**

Doctor of Medicine – MD  
Rutgers New Jersey Medical School (Current Name)  
University of Medicine and Dentistry of New Jersey: UMDNJ (Formerly)  
Newark, New Jersey USA

06/1995-06/1996

**RESIDENT IN GENERAL SURGERY**

Internship Year: Post Graduate Year 1 (Part of a 5-Year Program)  
Department of General Surgery  
Drexel University College of Medicine/ Hahnemann University Hospital  
(Medical College of Pennsylvania: Formerly Known)  
Philadelphia, Pennsylvania USA

07/1996-06/2000

**RESIDENT IN ORTHOPAEDIC SURGERY**

Residency Years: Post Graduate Years 2-5 (Part of a 5-Year Program)  
Department of Orthopaedic Surgery  
Drexel University College of Medicine / Hahnemann University Hospital  
(MCP / Hahnemann University: Formerly Known)  
Philadelphia, Pennsylvania USA

08/2000-1/2001

**FELLOWSHIP IN JOINT RECONSTRUCTION**

Department of Orthopaedics, 3B Orthopaedics  
Director: Robert Booth, MD  
University of Pennsylvania Health System  
Pennsylvania Hospital  
Philadelphia, Pennsylvania USA

December 6, 2003

**Mini-MBA**

Florida Gulf Coast University- College of Business  
Mini-MBA Certification

## **MEDICAL LICENSURE**

Florida	ACTIVE
New York	ACTIVE
New Jersey	ACTIVE
California	ACTIVE
DEA License	ACTIVE
Pennsylvania	Inactive

## **BOARD CERTIFICATION, MEDICAL/SURGICAL**

2018-2022	National Board of Physicians and Surgeons, Board Certified
1/2014-12/2023	American Board of Orthopaedic Surgery, Re-Certified
7/2003	American Board of Orthopaedic Surgery, Board Certified
12/1995	United States Medical Licensing Board, Board Certified

## **PROFESSIONAL MEMBERSHIPS**

Current	American Association of Hip & Knee Surgeons (AAHKS)
2007-Present	Fellow, The American Academy of Orthopaedic Surgeons
2007-2009	Orthopaedic Surgery & Trauma Society – Vice President
2010-2012	Orthopaedic Surgery & Trauma Society – President
2001-2015	Florida Orthopaedic Society (FOA)
2001-2015	Florida Medical Association (FMA)
2001-2015	Collier County Medical Society (CCMS)
2001-2015	American Medical Association (AMA)

## **MEDICAL CERTIFICATIONS**

Mako™ Robotic Total Knee Certified 2017  
Mako™ Robotic Hip Replacement Certified 2013  
Mako™ Robotic Knee & Hip Replacement Instructor  
Mako™ Robotic Partial Knee Certified, September 2009  
Navio Blue Belt Partial Knee Replacement, July 20, 2016  
American Board of Independent Medical Examiners  
Orthosoft Computer Assisted Surgery Navigation Systems  
OrthoSensor Soft Tissue Balancing System  
STAR Ankle Replacement

## **Orthopaedic Industry Consulting:**

- Stryker Consultant: 2013-Present (Mako Robotics Platform)
- Mako Surgical Corp Consultant 2010-2013 (Mako Robotics Platform)

## **ORTHOPAEDIC TRAINING: RESIDENCY & FELLOWSHIP**

06/1995-06/1996	<b>RESIDENT IN GENERAL SURGERY (INTERNSHIP YEAR 1)</b> Drexel University College of Medicine/ Hahnemann University Hospital Philadelphia, Pennsylvania USA
07/1996-06/2000	<b>RESIDENT IN ORTHOPAEDIC SURGERY (RESIDENCY YEARS 2-5)</b> Drexel University College of Medicine/ Hahnemann University Hospital Philadelphia, Pennsylvania USA
08/2000-1/2001	<b>FELLOWSHIP IN JOINT RECONSTRUCTION (PGY-6)</b> University of Pennsylvania Health System, 3B Orthopaedics Pennsylvania Hospital Philadelphia, Pennsylvania USA Director: Robert E. Booth MD

## **HOSPITAL & AMBULATORY SURGICAL CENTER AFFILIATIONS & STATUS**

6/20/2017-Present	Lenox Hill Hospital- Northwell Health System Assistant Attending, Department of Orthopaedic Surgery Medical Staff New York City, New York USA
2020-Present	St. Barnabas Medical Center Department of Orthopaedic Surgery Medical Staff Livingston, New Jersey USA
1/2020-Present	New York Center for Ambulatory Surgery Active Staff Private Orthopaedic Surgeon New York City, New York USA
1/2016-Present	Midtown Surgery Center Active Staff Private Orthopaedic Surgeon New York City, New York USA
2016-Present	Postal Hospital Taipei Consultant and Visiting Professor, Robotic Joint Replacement Taipei, Taiwan
2016-Present	China Medical University Consultant & Visiting Professor, Robotic Joint Replacement Taichung, Taiwan

## **HOSPITAL APPOINTMENTS & COMMITTEES**

### **Physicians Regional Medical Center – Naples, Florida USA**

1/2013 - 12/2014	<b>Chairman</b> , Department of Surgery
1/2013 - 12/2014	<b>Chief</b> , Orthopaedic Surgery
1/2012 - 12/2012	<b>Vice Chairman</b> , Department of Surgery
1/2012 - 11/2014	Medical Executive Committee: Member
1/2012 - 11/2014	Credentialing Committee: Member

### **NCH - Naples Community Healthcare System - Naples, Florida USA**

1/2007- 12/2010	<b>Chief</b> , Orthopaedic Surgery
1/2007- 12/2010	Operating Room Committee – Member
	Physician CPOE Informatics Committee – Member

### **Naples Day Surgery, LLC – Outpatient Surgical Centers - Naples, Florida USA**

2003-2010	Executive Board Member
-----------	------------------------

## **HONORS / AWARDS**

2020 – Top Doctors Award New York Orthopaedic Surgeon – Castle Connolly  
2019 – Top Doctors Award New York Orthopaedic Surgeon – Castle Connolly  
2018 – Top Doctor Award- HealthTap.com  
2018 – Top Doctors Award New York Orthopaedic Surgeon – Castle Connolly  
2017 – Top Doctors Award New York Orthopaedic Surgeon – Castle Connolly  
2017 – Best in Medicine – Award Recipient - American Health Council  
2015 – Spring Healthtap.com Award Recipient: Top Orthopedic Reconstructive Surgeon in the Nation  
2015 – January: Healthtap.com Most Thanked Orthopedic Reconstructive Surgeon in Florida  
2013 – Summer Healthtap.com Award Recipient  
    \*Top Orthopedic Reconstructive Surgeon in Florida  
    \*Most Influential Doctor in the Fort Myers Region  
2013 – Winter Healthtap.com Award Recipient  
    \*Adult Reconstruction  
2010 – Emmet Lunsford Scientific Paper Award Recipient – Orthopaedic Surgery & Trauma Society  
2009 – Compass Award Recipient – NCH Healthcare System  
2000 – Resident/Fellow Award Presentation - Pennsylvania Orthopedic Society  
1992 – Outstanding Summer Research Project, UMDNJ

## **ROBOTIC SURGERY HISTORY:**

- Stryker Mako™ Robotic Partial & Total Knee, & Hip International Surgeon Proctor & Surgeon Certifier
- Launched Mako™ Total Knee & Total Hip in Taiwan 2017
- Currently an Educational Instructor/Proctor/Launch Surgeon for Orthopaedic Robotics, International Speaker/ Author on Robotics in Joint Replacement.
- Surgeons Internationally Trained: Hong Kong, Thailand, Singapore, Taiwan, Greece, Australia, Italy, Malaysia, S. Korea, Turkey, Vietnam, Israel
- Launched Robotic Sites: Hong Kong, Thailand, Singapore, Taiwan, Greece, Australia, China: Beijing & Shanghai, Vietnam
- Launched First International Sites in Europe for Mako Surgical Corp: Greece, Turkey

- Launched First International Sites in Hong Kong, Thailand & Singapore in 2012.
- Started first Advanced Makoplasty® Robotic Knee Training Center in USA in 2010.
  - Developed the Advanced Medial, Lateral and Patellofemoral Course
- Started as educational instructor in 2010 for MAKO Surgical Corp.
- Performed first robotic surgery in October 2009 in Naples, Florida

## **LIVE ROBOTIC SURGERY TELECASTS:**

2011-2014	Weekly Live Interactive	
	Mako PKA Web Surgery Program:	Naples, Florida USA
2/20/2016	Taichung, Taiwan	China Medical University (Dr. Hsu)
10/08/2016	Taiwan to Chandigarh, India:	Live Mako PKA
1/7/2016	Taichung, Taiwan	Live Mako Robotic Total Hip Surgery

## **INTERNATIONAL LIVE MAKO™ ROBOTIC SURGERY & HOSPITAL LAUNCHES:**

<b>06/2012</b>	<b>Hong Kong, China</b>	<b>Launch of Country:</b> Hong Kong Sanatorium & Hospital (Dr. Stephen Wu & Dr. WM Tang)
<b>06/2012</b>	<b>Bangkok, Thailand</b>	<b>Launch of Country:</b> Siriraj Hospital (Dr. Keratti)
<b>07/2012</b>	<b>Singapore</b>	<b>Launch of Country:</b> National University Hospital, (Dr. Wilson Wang)
10/2013	Istanbul, Turkey	LIV Hospital (Dr. Haklar)
<b>01/2014</b>	<b>Athens, Greece</b>	<b>Launch of Country:</b> Metropolitan Hospital (Dr. Kostas, Chissas)
<b>09/2014</b>	<b>Taipei, Taiwan</b>	<b>Launch of Country:</b> Kang-Ning General Hospital (Dr. Wu)
10/2014	Taichung, Taiwan	<b>Launch:</b> China Medical University Hospital (Dr. Hsu)
01/24/2015	Taipei, Taiwan	Kang-Ning General Hospital (Dr. Wu)
<b>05/26/2015</b>	<b>Perth, Australia</b>	<b>Launch of Country:</b> Dr. Gavin Clark
05/30/2015	Taipei, Taiwan	Kang-Ning General Hospital (Dr. Wu)
08/16/2015	Taichung, Taiwan	China Medical University Hospital (Dr. Hsu)
08/31/2015	<b>Melbourne, Australia</b>	<b>Launch:</b> The Avenue Hospital (Dr. Macmahon, Dr. Young)
09/15/2015	Melbourne, Australia	The Avenue Hospital (Dr. Shimmin)
12/9/2015	<b>Adelaide, Australia</b>	<b>Launch:</b> Burnside Hospital (Dr. Fassina & Dr. Munt)
2/20/2016	Taichung, Taiwan	China Medical University (Dr. Hsu) (Broadcast Live Surgery to Surgeon Conference)
04/15/2016	Melbourne, Australia	The Avenue Hospital (Dr. Macmahon)
05/07/2016	Taipei, Taiwan	<b>Launch:</b> Postal Hospital, (Dr. Chen, Kenyoh)
<b>09/06/2016</b>	<b>Shanghai, China</b>	<b>Launch of Country:</b> Shanghai Hospital #6, (Professor Zhang Xianlong) 1 <sup>st</sup> in China
09/06/2016	Shanghai, China	Shanghai Hospital #6, (Professor Chen, Yunsu)
09/08/2016	<b>Beijing, China</b>	<b>Launch:</b> Hospital 301 PLA, (Dr. Chen, Jiying)
09/09/2016	Beijing, China	Hospital 301 PLA, (Dr. Chai, Wei)

2/7/2017	Taipei, Taiwan	Kang Ning Hospital (Dr. Cheung)
2/9/2017	Melbourne, Australia	<b>Launch:</b> St. Vincent's Hospital Proctor 3 Surgeries
<b>2/27/2017</b>	<b>Hanoi, Vietnam</b>	<b>Launch of Country:</b> 3 Mako PKA
3/7/2017	Taichung, Taiwan	<b>Launch:</b> Show Chung Hospital: 1 Mako PKA
3/9/2017	Taichung, Taiwan	<b>Launch:</b> Everan Hospital: 1 Mako PKA
6/28/2017	Taichung, Taiwan	<b>Launch:</b> Show Chwan Hospital: 1 PKA
8/1-4/2017	Taipei, Taichung, Kaohsiung	<b>Launch:</b> Mako™ Total Knee in Taiwan
7/30/2019	Beijing, China	<b>Launch:</b> Peking University Peoples Hospital: 2 Mako PKA Surgeries with Professor Lin

## **ROBOTIC BIOSKILLS TRAINING COURSE INSTRUCTOR (Mako™ Robotics)**

05/21/2010	Makoplasty Bioskills Course Dallas
2010	Makoplasty Bioskills Course Las Vegas
07/16/2010	Makoplasty Bioskills Course San Francisco
09/17/2010	Makoplasty Bioskills Course Dallas
11/2010	Makoplasty Bioskills Course Miami DaVinci Center
11/2010	Makoplasty Bioskills Course Miami Marc Center
01/14/2011	Makoplasty Bioskills Course Miami Marc Center
01/28/2011	Makoplasty Knee Training Wuesthoff Medical Center Melbourne, FL
02/04/2011	Makoplasty Knee Training Biloxi, MS
03/04/2011	Makoplasty Bioskills Course Denver, Colorado
05/06/2011	Makoplasty Bioskills Course Atlanta, Georgia
06/04/2011	Makoplasty Bioskills Course Denver, Colorado
06/25/2011	Makoplasty Bioskills Course Knee, Robotic Joint Replacement Center
09/09/2011	Makoplasty Bioskills Live Surgery Broadcast to SimSurg lab, San Fran
09/17/2011	Makoplasty Bioskills Course UCF Orlando, Florida
10/07/2011	Makoplasty Bioskills Course Chicago NASS (North American Spine Society) Burr Ridge, IL
11/04/2011	Makoplasty Knee Training Lancaster Regional Medical Center, PA
11/05/2011	Makoplasty Training Robotic Joint Replacement Center
11/12/2011	Makoplasty Bioskills Course Miami Marc Center
11/05/2011	Makoplasty Bioskills Course Hip, Robotic Joint Replacement Center
12/07/2011	Makoplasty Bioskills Mini Lab CCRJ Orlando, Florida
01/13/2012	Makoplasty Bioskills Course Miami Marc Center
03/09/2012	Makoplasty Bioskills Course Las Vegas
04/29/2012	Makoplasty Bioskills Course Hip, Robotic Joint Replacement Center
06/15/2012	Makoplasty Bioskills Course Chicago NASS (North American Spine Society) Burr Ridge, IL
<b>06/2012</b>	<b>Makoplasty Bioskills: 1<sup>st</sup> ASIA Courses Bangkok, Thailand</b> <b>3 Days of Cadaveric &amp; Didactic Training</b>
07/2012	Makoplasty Cadaver Lab Singapore
08/21/2012	Makoplasty Knee Training Riverview Medical Center Gadsden, Alabama
09/10/2012	Makoplasty Knee Training Gainesville, FL
11/09/2012	Makoplasty Lab, Tampa University of Florida Lab
03/16/2013	Makoplasty Advanced Knee BioSkills Course (Naples)
04/2013	Makoplasty Bioskills Course Miami Marc Center
06/29/2013	Makoplasty Advanced Knee BioSkills Course (Naples)
07/27/2013	Makoplasty Advanced Knee BioSkills Course (Naples)
08/24/2013	Makoplasty Advanced Knee BioSkills Course (Naples)
09/14/2013	Makoplasty Advanced Knee BioSkills Course (Naples)
10/12/2013	Makoplasty Basic Knee BioSkills Course (Naples)
01/10/2014	Makoplasty Bioskills Knee Course, Tampa, Florida
02/07/2014	Makoplasty Bioskills Knee Lab, Dallas, Texas
04/11/2014	Makoplasty Bioskills Knee Course Miami Marc Center
06/20/2014	Makoplasty Bioskills Knee Course, Tampa, Florida
10/02/2014	Makoplasty Bioskills Knee Course Bangkok, Thailand Siriraj Hospital
05/22/2015	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 1 <sup>st</sup> lab

05/23/2015	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 2 <sup>st</sup> lab
07/31/2015	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 3 <sup>rd</sup> lab
08/01/2015	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 4 <sup>th</sup> lab
08/28/2015	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 5 <sup>th</sup> lab
08/29/2015	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 6 <sup>th</sup> lab
11/6/2015	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 7 <sup>th</sup> lab
11/7/2015	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 8 <sup>th</sup> lab
11/8/2015	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 9 <sup>th</sup> lab
02/12/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 10 <sup>th</sup> lab
02/13/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 11 <sup>th</sup> lab
03/4/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 12 <sup>th</sup> lab
03/5/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 13 <sup>th</sup> lab
04/1/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 14 <sup>th</sup> lab
04/2/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 15 <sup>th</sup> lab
04/29/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 16 <sup>th</sup> lab
04/30/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 17 <sup>th</sup> lab
08/12/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 18 <sup>th</sup> lab
08/13/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 19 <sup>th</sup> lab
<b>8/24/2016</b>	<b>Mako Robotic Bioskills Knee Cadaver Lab, Taichung, Taiwan, 1<sup>st</sup> Knee lab</b>
8/25/2016	Mako Robotic Bioskills Knee Cadaver Lab, Taichung, Taiwan, 2 <sup>nd</sup> lab
10/14/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 20 <sup>th</sup> lab
10/15/2016	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 21 <sup>st</sup> lab
<b>1/8/2016</b>	<b>Mako Robotic Bioskills Total Hip Cadaver Lab, Taiwan 1<sup>st</sup> Hip Lab</b>
1/8/2016	Mako Robotic Bioskills Total Hip Cadaver Lab, Taiwan 2 <sup>nd</sup> Lab
2/10/2017	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 22 <sup>th</sup> lab
2/11/2017	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia, 23 <sup>th</sup> lab
3/19/2017	Mako Robotic Bioskills Knee Cadaver Lab, Taichung, Taiwan, 3 <sup>rd</sup> lab
8/5/2017	Mako Robotic Bioskills Knee Cadaver Lab, Taichung, Taiwan, 4 <sup>th</sup> lab
8/6/2017	Mako Robotic Bioskills Knee Cadaver Lab, Taichung, Taiwan, 5 <sup>th</sup> lab
8/12/2017	Mako Robotic Bioskills Knee Cadaver Lab, Sydney, Australia 24 <sup>th</sup> lab
	<b>New Zealand Surgeon Launch</b>
1/13/2018	Mako Robotic Bioskills Knee Cadaver Lab (PKA), Singapore
2/10/2018	Mako Robotic Bioskills Knee Cadaver Lab (PKA), Taichung, Taiwan
2/23/2018	Mako Robotic Bioskills Knee Cadaver Lab Sydney, Australia 25 <sup>th</sup> lab
2/24/2018	Mako Robotic Bioskills Knee Cadaver Lab Sydney, Australia 26 <sup>th</sup> lab
9/27/2019	Mako Robotic Bioskills Knee Cadaver Lab, Northwell Healthcare, Long Island Jewish Hospital, New York



## **PUBLICATIONS**

Book Chapter

Robotic-Arm Assisted Partial Knee Arthroplasty (MAKO), Minimally Invasive Surgery in Orthopedics (Second Edition): Section: Innovative Technologies,  
Editors in Chief: Dr. Giles R. Scuderi, Dr. Alfred J. Tria 2015

Frederick Buechel, Robotic-Assisted Bi-Unicompartmental Knee Arthroplasty  
Bone Joint J 2013 95-B:(SUPP 34) 250.

Frederick Buechel, Robotic Arm Assisted Lateral Unicompartmental Knee Arthroplasty  
Bone Joint J 2013 95-B:(SUPP 34) 251

Frederick Buechel, The Use of Robotics for Medial UKA in Patients With Spontaneous Osteonecrosis of the Medial Femoral Condyle  
Bone Joint J 2013 95-B:(SUPP 34) 252

Frederick Buechel, 500 Consecutive Robotic Arm Assisted Medial UKA: An Outpatient Procedure That Consistently Increases ROM  
Bone Joint J 2013 95-B:(SUPP 34) 20

Michael Conditt, Thomas Coon, Martin Roche, Andrew Pearle, Todd Borus, Frederick Buechel, and Jon Douchis  
Two Year Survivorship of Robotically Guided Unicompartmental Knee Arthroplasty  
Bone Joint J 2013 95-B:(SUPP 34) 294

Buechel, FF, Sr, Buechel, FF, Jr, Helbig, TE: Two- to 12-Year Evaluation of Cementless Buechel-Pappas Total Hip Arthroplasty. The Journal of Arthroplasty, Vol 19 #8, 1017-1027, 2004.

Buechel, FF, Sr, Buechel, FF, Jr., Pappas, MJ: Twenty-Year Evaluation of Cementless Mobile Bearing Total Ankle Replacements. Clinical Orthopaedics and Related Research, #424, 19-26, 2004.

Buechel FF, Sr, Buechel FF, Jr, Pappas, MJ: Ten-Year Evaluation of Cementless Buechel-Pappas Meniscal Bearing Total Ankle Replacement. Foot & Ankle International, Vol 24, # 6, 462 - 472, 2003.

Buechel Sr FF, Buechel Jr FF, Pappas MJ: Eighteen-Year Evaluation of Cementless Meniscal Bearing Total Ankle Replacements. In, Beaty JH (ed). Instructional Course Lectures Vol. 51. Rosemont, Illinois American Academy of Orthopaedic Surgeons 143-151, 2002.

Twenty-Year Evaluation of the New Jersey LCS Rotating Platform Knee Replacement, The Journal of Knee Surgery, Volume 15, No 2, **Spring 2002**

Buechel Sr FF, Buechel Jr FF, Pappas MJ, D'Alessio J: Twenty-Year Evaluation of Meniscal Bearing and Rotating Platform Knee Replacements. Clinical Orthopaedics and Related Research 388:41-50, 2001.

Buechel FF, Pappas MJ: New Jersey Low Contact Stress Knee Replacement System: Ten Year Evaluation of Meniscal Bearings.  
Orthopedic Clinics of North America, 20:2,147-177, April 1989.  
Chart review of 320 patients with Depuy LCS™ Total Knee Replacements

Abolhoda M.D., Buechel, F Jr. M.D. Complete Cartilaginous Duplication of the Rib Cage Found in a Cadaver, First Reported Case. Amsur 11/96