

CURRICULUM VITAE

MARK LEE PURNELL

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Birth: January 24, 1952
Burlington, Vermont

Degrees: 1974 B.A. Whitman College
Walla Walla, Washington
1979 M.D. Oregon Health & Science University
School of Medicine
Portland, Oregon

Internship: 1980 University of Wisconsin Hospitals
Madison, Wisconsin
Orthopedic Surgery

Residency: 1984 University of Wisconsin Hospitals
Madison, Wisconsin
Orthopedic Surgery

Post residency: 1984 University of Wisconsin Hospitals
Madison, Wisconsin
Research July 1984 - September 1984
1985 Fellowship, Orthopedic Sports Medicine
Aspen, Colorado
October 1984 – April 1985

Licensure: 1980-2012 State of Wisconsin #23197
1984-Present State of Colorado #26418

Board Certification: 1988-2028 American Board of Orthopedic Surgery (ABOS)
Board Certified
2009-2028 ABOS; Added Certification in Orthopedic Sports
Medicine
1980 National Board of Medical Examiners, Diplomate

Academic Appointments:	1988	Clinical Instructor of Orthopedics University of Colorado Health Services Center
Hospital Appointments:	1979-84	University of Wisconsin Hospitals Madison, Wisconsin Orthopedic Surgery, Resident
	1980-1982	Methodist Hospital Madison, Wisconsin Emergency Room Physician
	1982-84	Sauk Prairie Hospital Prairie du Sac, Wisconsin Emergency Room Physician
	1984-Present	Aspen Valley Hospital Aspen, Colorado Orthopedic Surgery
	1984-2004	Valley View Hospital Glenwood Springs, Colorado Orthopedic Surgery
Professional Society Memberships:		American Orthopedic Society for Sports Medicine American Academy of Orthopedic Surgeons Association of Bone and Joint Surgeons Colorado Medical Association Western Orthopedic Association European Society of Knee Surgery, Arthroscopy, and Sports Traumatology

Publications:

1. Purnell, ML, Drummond, DS, Engber, WD, Breed, AL: *Congenital Dislocation of the Peroneal Tendons in the Calcaneovalgus Foot*. Journal of Bone and Joint Surgery 1983, 65B:316-319.
2. Purnell, ML, Drummond, DS, Keene, JS, Narechania, R: *Hex Nut Loosening Following Compression Instrumentation of the Spine*. Clinical Orthopedics and Related Research 1986. 203:172-178.
3. Drummond, DS, Purnell, ML; *Methods of Spino-Pelvic Fixation, a Laboratory Study (Abstract)*. Orthopedic Transactions.
4. Glad, RW, Lange, R, Engber, W, Purnell, ML: *Cartilage Repair After Trans-articular Herbert Screw Placement*. Orthopedic Transactions, 11(2):225
5. Lange, R, Vanderby, R, Jr. Engber, W, Glad, R, Purnell, ML: *Biomechanical and Histological Evaluation of the Herbert Screw*. Journal of Orthopedic Trauma, 4(3):275-282.
6. Bovard, R, Hunter, RE, Freeman, JR, Purnell, ML: *Paragliding Injuries: How Dangerous Is This Growing Sport?* The Physician and Sports Medicine 1993, 21(11):75-84.

Publications continued:

7. Duncan, JB, Hunter R, Purnell, M, Freeman, J: *Meniscal Injuries Associated with Acute Anterior Cruciate Ligament Tears in Alpine Skiers*. American Journal of Sports Medicine 1995, 23(2):170-2.
8. Duncan JB, Hunter, RE, Purnell, ML, Freeman, JR: *Injured Stable Knee With Acute Effusion: MRI Evaluation*. Journal of the Southern Orthopedic Association, Spring 1996, 5(1):13-19.
9. Hunter, RE, Mastrangelo, J, Freeman, JR, Purnell, ML, Jones, RH: *The Impact of Surgical Timing on Postoperative Motion and Stability Following Anterior Cruciate Ligament Reconstruction*. Arthroscopy 1996, 12(6):667-674.
10. Harris, NL, Smith, DA, Lamoreaux, L, Purnell, ML: *Central Quadriceps Tendon For Anterior Cruciate Ligament Reconstruction: Part I: Morphometric and Biomechanical Evaluation*. American Journal of Sports Medicine 1997, 25(1):23-8.
11. Zemen, C. Hunter, RE, Freeman, JR, Purnell, ML, Mastrangelo, J: *Acute Skier's Thumb Repaired with a Proximal Phalanx Suture Anchor*. American Journal of Sports Medicine 1998, 26(5):644-650.
12. Purnell, ML, Larson, AI, Schnetzler, KA, Harris, N, Pevny, T: *Diagnosis and Surgical Treatment of Schatzker Type IV Variant Biplanar Medial Tibial Plateau Fractures in Alpine Skiers*. Techniques in Knee Surgery 6(1): 17-28; 2007
13. Pevny, T, Purnell, ML, Harris, NL, Larson, AI; *Arthroscopic Fixation of Tibial Spine Fractures*. Techniques in Knee Surgery 6(1): 2-8; 2007
14. Harris, NL, Purnell, ML, Pevny, T, Larson, AI; *Arthroscopic Management of Tibial Plateau Fractures*. Techniques in Knee Surgery 6(1): 9-16; 2007
15. Purnell, ML., Larson, AI, Clancy, W., *Anterior Cruciate Ligament Insertions on the Tibia and Femur and Their Relationships to Critical Bony Landmarks Using High-resolution Volume-rendering computed Tomography*. The American Journal of Sports Medicine, Vol36, No. 11, 2008
16. Purnell, ML, Larson, AI: *Mini-incision Patellar Tendon Harvest and Anterior Cruciate Ligament Reconstruction Using Critical Bony Landmarks*. Sports Medicine Arthroscopy Review, Vol 17, Number 4, Dec. 2009
17. Harris, NL, Huffer, WE, von Stade, E, Larson, AI, Phinney, MA: *The Effect of Platelet-Rich Plasma on Normal Soft Tissues in the Rabbit*. JBJS Am. 2012; 94: 786-93
18. The MARS Group (Wright, RW...Purnell, ML, ...et al); *Effect of Graft Choice on the Outcome of Revision Anterior Cruciate Ligament Reconstruction in the Multicenter ACL Revision Study (MARS) Cohort*, The American Journal of Sports Medicine, Vol. 42, No. 10, 2301-10 (Winner of the AOSSM 2014 O'Donoghue Award for clinical based research)

Presentations:

1. Purnell, ML, Drummond, DS, Engber, WD, Breed, AL: *Congenital Dislocation of the Peroneal Tendons in the Calcaneovalgus Foot*. Wisconsin State Orthopedic Society, Oconomowoc, Wisconsin, November 1982.
2. Purnell, ML, Odén, RR: *Introduction of A New Drill Guide for Arthroscopic Reconstruction of the Anterior Cruciate Ligament*. ACL Study Group, Zermatt, Switzerland, January 1986.
3. Purnell, ML, Odén, RR: *Profile of Skiers Knee Injuries, a Computerized Evaluation*. ACL Study Group, Zermatt, Switzerland, January 1986.
4. Purnell, ML: *Ski Related Trauma to the Lower Extremities*. Aspen Winter Educational Seminars, Aspen Colorado, February 1986.
5. Purnell, ML: *Treatment of the Anterior Cruciate Deficient Knee*. A.H. Gould Family Practice Program, Grand Junction, Colorado, March 03, 1987.
6. Purnell, ML, Odén, RR: *Arthroscopic Reconstruction of the ACL with the Patellar Tendon, Possible?* Sports Medicine of Tomorrow, The Celebration of the Professorship of Sports Medicine to the Karolinska Institute, Stockholm, Sweden. September 11, 1987.
7. Purnell, ML: *Arthroscopic ACL Reconstruction*. The Knee, University of Vermont Seminars in Orthopedic Surgery, Vergennes, Vermont, September 23, 1987.
8. Purnell, ML: *Anterior Cruciate Ligament Reconstruction*. Aspen Sports Medicine Conference, Aspen, Colorado, February 29, 1988.
9. Purnell, ML, Odén, RR, Beynon, B, Johnson, R, Pope, M, Howe, J: *An In-Vitro Biomechanical Study of a New Arthroscopic Drill Guide System (ACL Replacement Strain and Excursion Measurement)*, ACL Study Group, Snowmass, Colorado, March 21, 1988.
10. Purnell, ML: *An In-Vitro Study of Isometer Suture Displacement Measurements and Subsequent ACL Replacement Strain Pattern*, The Rocky Mountain Chapter of the Western Orthopedic Association, Aspen, Colorado, July 22, 1988.
11. Purnell, ML: *Arthroscopic ACL Reconstruction and Isometry*, Four Corners Orthopedic Association, Durango, Colorado, July 22, 1988.
12. Purnell, ML: *Arthroscopic Meniscus Suture Technique*, Hungarian Arthroscopy Association, Budapest, Hungary, December 09, 1988.
13. Purnell, ML: *Endoscopic Reinsertion and Replacement of the ACL*, Hungarian Arthroscopy Association, Budapest, Hungary, December 09, 1988.

14. Purnell, ML: *Skiers Injuries: Epidemiology, Treatment and Future Trends*, Aspen Sports Medicine Conference, Aspen, Colorado, February 23, 1989.
15. Purnell, ML: *Practical Aspects of Isometry in ACL Reconstruction*, The ACL Deficient Knee, Atlanta, Georgia, April 28-29, 1989.
16. Purnell, ML, Odén, RO: *Design Rational and Surgical Technique for the AI Guide System*, The ACL Deficient Knee, Atlanta Georgia, April 28-29, 1988.
17. Purnell, ML: *Demonstration of Instrumentation for Arthroscopic Anterior Cruciate Ligament Reconstruction*. Practical Aspects of Isometry. Instructional Course Lectures, Swedish Orthopedic Society Annual Meeting, Sundsvall, Sweden, May 31, 1989.
18. Purnell, ML: *Ski Injuries and Rehabilitation*. Health in Action Day, Deer Valley, Utah, August 25, 1989.
19. Purnell, ML: *ACL/PCL Injuries, Diagnosis and Treatment*, Spohn Sports Medicine Symposium, Corpus Christi, Texas, October 08, 1989.
20. Purnell, ML: *Arthroscopic ACL Reconstruction*. The ACL Deficient Knee, Snowmass, Colorado, January 22, 1990.
21. Purnell, ML: *Practical Aspects of Isometry*. The ACL Deficient Knee, Snowmass, Colorado, January 23, 1990
22. Purnell, ML, Odén, RR, Beynnon, B, Derkash, RS: *An In-Vitro Study of Isometer Suture Displacement Measurements and Subsequent ACL Replacement Strain Patterns in the Knee*, Mauna Kea Resort, Hawaii, May 05, 1990.
23. Purnell, ML: *ACL Reconstruction: The Gold Standard, Knee Injuries in the Athlete*, Current Concepts, Boston, Massachusetts, August 24, 1990.
24. Purnell, ML: *Practical Aspects of Isometry, Knee Injuries in the Athlete*, Current Concepts, Boston, Massachusetts, August 23, 1990.
25. Purnell, ML: *Arthroscopic Surgery of Ligamentous Injuries (ACL)*, Course on Arthroscopy, Tampere University Central Hospital, Tampere, Finland, September 18, 1990.
26. Purnell, ML: *Isometry Testing for ACL Reconstruction*, Course on Arthroscopy, Tampere University Central Hospital, Tampere, Finland, September 18, 1990.
27. Purnell, ML: *Arthroscopic Management of Osteochondritis Dissecans*, Course on Arthroscopy, Tampere University Central Hospital, Tampere, Finland, September 18, 1990.
28. Purnell, ML: *Arthroscopic Meniscal Suturing (Modified Outside-In Technique)*, Course on Arthroscopy, Tampere University Central Hospital, Tampere, Finland, September 18, 1990.

29. Purnell, ML: *Arthroscopic Surgery of Ligamentous Injuries (ACL)*, Course on Advanced Arthroscopy, Oulu University Central Hospital, Finish Association for Arthroscopy, Oulu, Finland, September 20, 1990.
30. Purnell, ML: *Isometry Testing for ACL Reconstruction*, Course on Advanced Arthroscopy, Oulu University Central Hospital, Finish Association for Arthroscopy, Oulu, Finland, September 20, 1990.
31. Purnell, ML: *Arthroscopic Meniscal Suturing (Modified Outside-In Technique)* Course on Advanced Arthroscopy, Oulu University Central Hospital, Finish Association for Arthroscopy, Oulu, Finland, September 20, 1990.
32. Purnell, ML: *Prevention of Ski Injuries*, Office Based Sports Medicine, Snowmass, Colorado, February 03, 1991.
33. Purnell, ML: *The Aspen Experience with Intra-Articular Fractures About the Knee in Skiers*, Trauma in Sports Medicine Orthopedics, 13th Annual Snowmass Orthopedic Seminar, University of Pennsylvania, Snowmass, Colorado, March 07-14, 1992.
34. Purnell, ML: *Orthopedic Developmental Disease in Adolescence*, presented to Orthopedic Nursing Workshop, sponsored by the National Association of Orthopedic Nurses, Aspen, Colorado, June 12, 1993.
35. Purnell, ML, Lamoreaux, LL: *Autogenous Quadriceps Tendon ACL Reconstruction: Long Term Follow-up Study*, Association of Bone and Joint Surgeons 49th Annual Meeting, Scottsdale, Arizona, May 03, 1997.
35. Purnell, ML: *Tibial Plateau Fractures, The Aspen Experience*, presented to the University of Lund, Lund, Sweden and the Karolinska Institute, Sweden, Baltic States Seminar sponsored by the Association of Bone and Joint Surgery, September 22-22, 1994.
36. Purnell, ML: *The Impact of Surgical Timing on Post-Operative Motion and Stability Following Anterior Cruciate Ligament Reconstruction*, presented to the University of Lund, Lund, Sweden and the Karolinska Institute, Stockholm, Sweden, Baltic States Seminar sponsored by the Association of Bone and Joint Surgery, September 21-22, 1994.
37. Purnell, ML: *Revision ACL Reconstruction, Current Concepts and Techniques, Evaluation and Treatment of the Injured Athlete: Sports Medicine Update Winter 1997*, Snowmass, Colorado, March 24-27, 1997.
38. Purnell, ML: *Revision ACL Reconstruction*, Western Orthopedic Association Western Slope Chapter, Grand Junction, Colorado, April 19, 1997.
39. Purnell, ML: *The Athlete's Knee*, Western Slope Coaches Conference, Glenwood Springs, Colorado, August 14, 1998.
40. Purnell, ML: *Arthroscopic ACL Reconstruction*, 2nd Advanced Course of Arthroscopy, Courmayeur, Italy, January 10-15, 1999.

41. Purnell, ML: *Revision ACL Reconstruction*, 2nd Advanced Course of Arthroscopy, Courmayeur, Italy, January 10-15, 1999.
42. Purnell, ML: *Winter Sports Injuries, Snowboarding/Skiing*, Second Annual Western Slope Coaches Conference, Glenwood Springs, Colorado, August 14, 1999.
43. Purnell, ML: *Revision ACL Reconstruction*, 3rd Advanced Course of Arthroscopy, Courmayeur, Italy, January 10-15, 2000.
44. Purnell, ML: *Arthroscopic ACL Reconstruction*, 3rd Advanced Course of Arthroscopy, Courmayeur, Italy, January 10-15, 2000.
45. Purnell, ML: *Revision ACL Reconstruction*. 4th Advanced Course of Arthroscopy, Courmayeur, Italy, January 08-13, 2001.
46. Purnell, ML: *Arthroscopic ACL Reconstruction*, 4th Advanced Course of Arthroscopy, Courmayeur, Italy, January 08-13, 2001.
47. Purnell, ML: *Arthroscopic ACL Reconstruction*, ESSKA Arthroscopic Sports Medicine Course, Reykjavik, Iceland, August, 2001.
48. Purnell, ML: *Revision ACL Reconstruction*. 5th Advanced Course of Arthroscopy, Courmayeur, Italy January 07-11, 2002
49. Purnell, ML: *Arthroscopic ACL Reconstruction BTB With Minimal Incisions*, 5th Advanced Course of Arthroscopy, Courmayeur, Italy January 07-11, 2002
50. Purnell, ML: *Outside-In Meniscal Repair a Simplified Approach*, 5th Advanced Course of Arthroscopy, Courmayeur, Italy, January 07-11, 2002.
51. Purnell, ML: *Revision ACL Reconstruction Quadriceps Graft*, 5th Advanced Course of Arthroscopy, Courmayeur, Italy, January 07-11, 2002.
52. Purnell, ML. *Outside-In Meniscal Repair*, 3rd International Symposium Sport and Medicine, Opatija, Croatia, September 26-28, 2002
53. Purnell, ML. *Revision ACL Reconstruction Quadriceps Graft*, 3rd International Symposium Sport and Medicine, Opatija, Croatia, September 26-28, 2002
54. Purnell, ML. *Arthroscopic ACL Reconstruction BTB With Minimal Incisions*, 3rd International Symposium Sport and Medicine, Opatija, Croatia, September 26-28, 2002
55. Purnell, ML: *The Effect of Platelet Rich Plasma Injection on Normal Soft Tissue in a Rabbit Model*, Association of Bone and Joint Surgeons, 55th Annual Meeting, Paris, France, May 14-18, 2003.
56. Purnell, ML: *Arthroscopic ACL Reconstruction BTB With Minimal Incisions*, 7th Advanced Course of Arthroscopy, ESSKA, January 10-14, 2004.

57. Purnell, ML: *Outside-In Meniscal Repair a Simplified Approach*, 7th Advanced Course of Arthroscopy, Courmayeur, Italy, January 10-14, 2004.
58. Purnell, ML: *Revision ACL Reconstruction Quadriceps Graft*, 7th Advanced Course of Arthroscopy, Courmayeur, Italy, January 10-14, 2004.
59. Purnell, ML: *The Effect of Platelet Rich Plasma Injection on Normal Soft Tissue*. 7th Advanced Course of Arthroscopy, Courmayeur, Italy, January 10-14, 2004.
60. Purnell, ML. *Meniscal Repair a Combined Approach*. Arthroscopy, Knee, and Shoulder Workshop, Aspen, Colorado, March 26-27, 2004
61. Purnell, ML. *Structure and Biology of Articular and Meniscal Cartilage*. Sixth Annual AFSMER Sports Medicine Basic Science Conference, Aspen, Colorado, September 24, 2004
62. Purnell, ML. *Meniscus Suture In-Out*, 8th International Conference, Orthopedics, Biomechanics, Sports Rehabilitation, Assisi (Perugia), Italy, November 19-21, 2004.
63. Purnell, ML. *Use of Platelet-Enriched Plasma to Improve Meniscus Healing*, 8th International Conference, Orthopedics, Biomechanics, Sports Rehabilitation, Assisi (Perugia), Italy, November 19-21, 2004
64. Purnell, ML. *ACL Reconstruction with PT with Minimal Incisions*, 8th International Conference, Orthopedics, Biomechanics, Sports Rehabilitation, Assisi (Perugia), Italy, November 19-21, 2004
65. Purnell, ML. *Arthroscopic ACL with PT-BTB with Minimal Incisions*, 8th Advanced Arthroscopy Course, Courmayeur, Italy, January 15-21, 2005.
66. Purnell, ML. *A Simple Outside-In Meniscus Suture Technique*, 8th Advanced Arthroscopy Course, Courmayeur, Italy, January 15-21, 2005.
67. Purnell, ML. *ACL Reconstruction with PT with Minimal Incisions*, Sister City Medical Education Exchange Program, Bariloche, Argentina April 10-19, 2005
68. Purnell, ML. *A Simple Outside-In Meniscus Suture Technique*, Sister City Medical Education Exchange Program, Bariloche, Argentina April 10-19, 2005
69. Purnell, ML. *ACL Anatomy and Function*. Rocky Mountain Sports Fellowship Fall Basic Science Conference, Aspen, Colorado, September 30, 2005
70. Purnell, ML. *ACL Reconstruction with PT with Minimal Incisions*, 9th Advanced Arthroscopy Course, Courmayeur, Italy, January 15-21, 2006.
71. Purnell, ML. *Outside-In Meniscal Repair*. 9th Advanced Arthroscopy Course, Courmayeur, Italy, January 15-21, 2006.
72. Purnell, ML, Larson, AI, Clancy, W. *CT evaluation of Resident's Ridge and its relationship to the anatomy of the Anterior Cruciate Ligament*. Association of Bone and Joint Annual Meeting, Buenos Aires, Argentina, April 2006

72. Purnell, ML. *Treatment of Articular Cartilage Defects*. Sister City Medical Education Exchange Program, Bariloche, Argentina April, 2006
74. Purnell, ML, Larson, AI, Clancy, W. *CT evaluation of Resident's Ridge and its relationship to the anatomy of the Anterior Cruciate Ligament*. North American/Pacific Rim Sports Medicine Traveling Fellowship, Aspen, Colorado, June 16, 2006
75. Purnell, ML. *Platelet-Rich Fibrin Matrix Augmentation of Rotator Cuff Repair*. Oden Basic Science Conference, Aspen, Colorado, December 9, 2006
76. Purnell, ML. *Arthroscopic ACL Reconstruction BTB With Minimal Incisions*. 10th Advanced Arthroscopy Course, Courmayeur, Italy January 14-20 2007
77. Purnell, ML, Larson, AI, Clancy, W; *Anterior Cruciate Ligament Insertions on the Tibia and Femur and Their Relationships to Critical Boney Landmarks Using High Resolution Volume Rendering CT*. 33rd annual meeting of the AOSSM, Calgary Alberta, Canada, July 2007
78. Purnell, ML., *Quadriceps Tendon Graft*. 1st Stockholm Arthroscopy Conference, Stockholm Sports Trauma Center, September 6-8, 2007
79. Purnell, ML. *ACL Reconstruction Timing*. 1st Stockholm Arthroscopy Conference, Stockholm Sports Trauma Center, September 6-8, 2007
80. Purnell, ML., *Anterior Cruciate Ligament Insertions on the Tibia and Femur and Their Relationships to Critical Boney Landmarks Using High Resolution Volume Rendering CT*. 1st Stockholm Arthroscopy Conference, Stockholm Sports Trauma Center, September 6-8, 2007
81. Purnell, ML. *Cartilage Defect Repair, Current and Next Generation Techniques*. Aspen-Bariloche Medical Exchange Ciudades Hermanos, Bariloche Argentina, April, 2008
82. Purnell, ML. *Anterior Cruciate Ligament Insertions on the Tibia and Femur and Their Relationships to Critical Boney Landmarks Using High Resolution Volume Rendering CT*. Aspen-Bariloche Medical Exchange Ciudades Hermanos, April, 2008
83. Purnell, ML. *ACL Reconstruction Timing*. Aspen-Bariloche Medical Exchange Ciudades Hermanos, April, 2008
84. Purnell, ML. *Quadriceps Tendon Graft for ACL Reconstruction*. Aspen-Bariloche Medical Exchange Ciudades Hermanos, April, 2008
85. Purnell, ML. *Type IV Tibial Plateau Fractures Skier Variant*. Aspen-Bariloche Medical Exchange Ciudades Hermanos, April, 2008
86. Purnell, ML. *The Use of Biologics to Enhance Soft Tissue Healing*. 3rd Rocky Mountain, Shoulder and Elbow Society Meeting Aspen, Colorado, August 1-3 2008

87. Purnell, ML. *The Use of Biologics to Enhance Soft Tissue Healing*. The Western Slope Fall Orthopedic Meeting, Glenwood Springs, Colorado, October 2008
88. Purnell, ML, *Complex Tibial Plateau Fractures from Skiing*, Ski & Snowboard Trauma Symposium, Aspen, Colorado, September 29, 2009
89. Purnell, ML. Femoral Fractures. Ski Patrol Refresher Conference, Aspen, Colorado, November, 2009
90. Purnell, ML, *Anterior Cruciate Ligament Insertions on the Tibia and Femur and Their Relationships to Critical Boney Landmarks Using High Resolution Volume Rendering CT*. Congreso AAOT, Salta Argentina, November 29-December 3, 2009
91. Purnell, ML, *Cuándo realizar la cirugía del ligamento cruzado anterior*. Congreso AAOT, Salta Argentina, November 29-December 3, 2009
92. Purnell, ML, *Revisión de Ligamento Cruzado Anterior, Reconstrucción con Injerto de Tendón Cuadricipital*. Congreso AAOT, Salta Argentina, November 29-December 3, 2009
93. Purnell, ML, *Fractura del Platillo Tibial. Variante del Esquiador*. Congreso AAOT, Salta Argentina, November 29-December 3, 2009
94. Purnell, ML. *Uso de Plaquetas de Plasma para mejorar la Cicatrización de Partes Blandas*, Congreso AAOT, Salta Argentina, November 29-December 3, 2009
95. Purnell, ML. *Arthroscopic ACL Reconstruction BTB*. 5th Aspen Bariloche Medical Conference April 2009
96. Purnell, ML. *Use of Platelet Rich Plasma to Enhance Soft Tissue Healing*. 2010 ASMF Fellow's Reunion Conference, February 2010, Aspen, Colorado
97. Purnell, ML. *Anterior and Posterior Cruciate Ligament Insertions on the Tibia and Femur and Their Relationships to Critical Boney Landmarks Using High Resolution Volume Rendering CT*. 2010 ASMF Fellow's Reunion Conference, February 2010, Aspen, Colorado
98. Purnell, ML. Compartment Syndrome. Annual Ski Patrol Refresher Course, Aspen, Colorado, November 9, 2011
99. Purnell, ML, *Complex Tibial Plateau Fractures*, Rocky Mountain Trauma Society, Snowmass, Colorado, January 13, 2012
100. Purnell, ML. *Position Options for ACL Reconstruction*. Aspen-Bariloche y La Asociación Argentina Artroscopia, Bariloche Argentina, May 10, 2013
101. Purnell, ML. *Open Fractures*, Mountain Rescue, Aspen, Colorado, November 20, 2013

102. Purnell, ML. *25 Year History of ACL Surgery*. VI Curso Internacional de Ortopedia y Traumatología del Sanatorio Allende - Medicina Deportiva, Córdoba, Argentina, April 25, 2014
103. Purnell, ML. *Resultados de Reconstrucción del LCA con Técnica Isométrica vs. Anatómica*. VI Curso Internacional de Ortopedia y Traumatología del Sanatorio Allende - Medicina Deportiva, Córdoba, Argentina, April 25, 2014
104. Purnell, ML. *Reconstrucción Anatómica del LCA a Simple Banda*. VI Curso Internacional de Ortopedia y Traumatología del Sanatorio Allende - Medicina Deportiva, Córdoba, Argentina, April 25, 2014
105. Purnell, ML. Compartment Syndrome. Ski Patrol Refresher Course, Aspen, Colorado, November, 2015
106. Purnell, ML, *Structure, Biology, Repair, and Replacement of Meniscal Cartilage*. Residence Conference Hospital Nacional Arzobispo Loayza, Lima, Peru, April, 2016
107. Purnell, ML, *Complex Tibial Plateau Fractures*. Muhimbili Orthopaedic Institute Trauma Conference (SIGN & IGOT), Dar Es Salaam, Tanzania, May 31-June 3, 2016
108. Purnell, ML. Complex Tibial Plateau Fractures. Black Lion Hospital SIGN Conference, Addis Ababa, Ethiopia, June 4, 2016
109. Purnell, ML. *Common Bicycling Injuries*. Aspen Valley Hospital Community Lecture Series, Aspen, Colorado, July 20, 2016
110. Purnell, ML. *Outcome of partial meniscectomy vs. meniscal repair in active athletes*. II Orthopedic Sports Medicine International Course, Cordoba, Argentina, September 23-24, 2016
111. Purnell, ML. *Assesment of failures in ACL surgery: focus on causes and results*. II Orthopedic Sports Medicine International Course, Cordoba, Argentina, September 23-24, 2016
112. Purnell, ML. *2015-16 Trauma Review*. Ski Patrol Refresher Course, Aspen, Colorado, November 2016

Scientific Exhibits:

1. Drummond, DS, Breed, AL, Purnell, ML, Keene, JS, Narechania, R, Wiffen, J, Wenger, DR: The Wisconsin Segmental Spinal Instrumentation (WISSI). The American Academy of Orthopedic Surgeons, Anaheim, California, March 1983.
2. Purnell, ML, Odén, RR, Berkely, ME: Arthroscopic Isometric Anterior Cruciate Ligament Reconstruction. American Academy of Orthopedic Surgeons. San Francisco, California, January 1987.

Poster Exhibits:

1. Purnell, ML, Drummond, DS, Engber, WD, Breed, AL: Congenital Dislocation of the Peroneal Tendons in the Calcaneovalgus Foot. The American Orthopedic Foot Society. Anaheim, California, March 1993.
2. Purnell, ML, Odén, RR, Berkeley, ME: Arthroscopic Isometric Anterior Cruciate Ligament Reconstruction. The European Congress of Knee Surgery and Arthroscopy. Basel, Switzerland, October 1986. Third prize for best poster exhibit.

Grants:

1. Purnell, ML, Engber, WD, Lange, RH: *The Effects on Cartilage Healing by Herbert Screw Implants*. Surgical Associates, University of Wisconsin Hospitals, October 1984. \$3,720.00.
2. Purnell, ML, Beynnon, B, Pope, M, Johnson, R: *In-Vitro Study of ACL Replacement Strain and Excursion Measurement*. Johnson and Johnson Orthopedics, Research Division. University of Vermont, April 1987 through May 1988. \$8,800.00.
3. Odén, RO, Purnell, ML, Berkeley, ME: *International Knee Institute*, Johnson and Johnson Orthopedics, Research Division, 1989. \$50,000.00.
4. Purnell, ML. *The Effect of Platelet-Rich Plasma on Normal Soft Tissues in the Rabbit*, Aspen Sports Medicine Foundation, The WHHF Foundation, 2000

Video Presentations:

1. *Arthroscopic Isometric ACL Reconstruction*, American Academy of Orthopedic Surgeons. San Francisco, California, January 1987 as a Scientific Exhibit.
2. *Arthroscopic Isometric ACL Reconstruction*, Third ESKA Conference, Amsterdam, April 1988.

Other Activities:

1. AO/ASIF Basic Course, Davos, Switzerland, December 11-16, 1983.
2. AO/ASIF Advanced Course, Davos, Switzerland, December 08-13, 1985.
3. Purnell, ML, Odén, RO, Berkeley, ME, McCune, W: United States Patent No. 4,781,182 Apparatus and Method for Performing a Surgical Operation. Arthroscopic Isometric ACL Guide.
4. U.S. Ski Team Physician, Nordic Jumping. 1987 – 1995
5. U.S. Mountain Biking Team Physician, (co-founder) 1995 – present
6. Instructor. Arthroscopy Course ESKA Conference. 1988

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Curriculum Vitae

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7. Arthroscopy instructor, Hungarian Arthroscopy Association, Budapest, Hungary, December 08-10, 1988.
8. Participant, AFSMER Consensual Validation on “The Role of Extra-articular Augmentation in the Anterior Cruciate Ligament Deficient Knee.” Snowmass, Colorado, July 13-15, 1989.
9. A Drill Guide for Closed ACL Repair “Medical Portfolio for Orthopaedic Surgeons” 7(3). Purnell, ML, Odén, RR. Audio Tape.
10. Instructor, Synthes Training Course on Advances in Lock Plating. Aspen, Colorado, April 15-16, 2005.

Meetings Organized:

1. Co-host. Third Annual Aspen Sports Medicine Conference, Aspen, Colorado, February 29 – March 04, 1988.
2. ACL Deficient Knee Symposium, Snowmass, Colorado, January 21-24, 1990.

Presentations, Co-author:

1. Drummond, DS, Purnell, ML: *Methods of Spino-Pelvic Fixation, a Laboratory Study*. The Pediatric Orthopedic Society, Vancouver, British Columbia, May 1984.
2. Drummond, DS, Adamson, B, Purnell, ML, Sponseller, P, Keene, JS: *Interspinous Segmental Spinal Instrumentation for Unstable Fractures*. Scientific Program, Scoliosis Research Society, Orlando, Florida, September 1984.
3. Engber, WD, Purnell, ML, Lange, RH: *Expanding Use of the Hebert Screw*. Scaphoid Fracture Symposium, Baylor Medical Center, Dallas, Texas, September 1984.
4. Flad, RW, Lange, R, Engber, W, Purnell, ML: *Cartilage Repair After Trans-articular Herbert Screw Placement*. Mid-American Orthopedic Association San Diego, California, March 1987.
5. Clifford, R, Purnell, ML: *Mini-incision Patellar Tendon Arthroscopic ACL Reconstruction*. 5th Annual Symposium "Advances in Cruciate Ligament Reconstruction of the Knee." Palm Springs, California, March 6, 1988.
6. Hunter, RE, Freeman, JR, Bovard, R, Purnell, ML: *Occult Bony Injuries Associated with Acute ACL Rupture*. Arthroscopy Association of North America Annual Meeting, Boston, Massachusetts, April 1992.
7. Duncan, J, Hunter, RE, Freeman, JR, Purnell, ML: *Compartment Syndrome in Tibial Shaft Fractures Occurring at Higher Altitude*. Presented at the American Society of Orthopedic Sports Medicine Fellowship Directors Second Annual Fellows' Research Program, Sun Valley, Idaho, July 12, 1993. Presented by Dr. Duncan.
8. Duncan, J, Hunter, R, Purnell, M, Freeman, J: *MRI Evaluation of Acute Traumatic Hemarthrosis in the Stable Knee*. Southern Medical Association, 87th Annual Scientific Assembly, New Orleans, Louisiana, October 1993. Presented by Dr. Duncan.
9. Hunter, RE, Mastrangelo, J, Freeman, JR, Purnell, ML: *The Impact of ACL Reconstruction Surgical Timing on Post-Operative Range of Motion and Stability*. Arthroscopy Association of North American Annual Meeting, Orlando, Florida, May 1994. Presented by Dr. Hunter.
10. Purnell, ML: *Tibial Plateau Fractures: The Aspen Experience*. Presented to

- the University of Lund, Lund, Sweden and the Karolinska Institute, Stockholm, Sweden, Baltic States Seminar sponsored by the Association of Bone and Joint Surgery, September 21-22, 1994. Presented by Dr. Purnell.
11. Hunter, RE, Mastrangelo, J, Freeman, JR, Purnell, ML; *The Impact of ACL Reconstruction Surgical Timing on Post-Operative Range of Motion and Stability*. Interim Meeting Arthroscopy Association of North America, February 1995, Orlando, Florida. Presented by Dr. Hunter.
 12. Stull, PA; *Acute Rupture of the Ulnar Collateral Ligament of the Thumb in Alpine Skiers*. Presented at the Fifth Annual Colorado Sports Medicine Symposium, Denver, Colorado, September 08, 1995. Presented by Dr. Stull.
 13. Hunter, RE, Mastrangelo, J, Freeman, JR, Purnell, ML: *The Impact of ACL Reconstruction Surgical Timing on Post-Operative Range of Motion and Stability*, Western Orthopedic Association 59th Annual Meeting, Santa Fe, New Mexico, October 14-18, 1995. Presented by Dr. Hunter.
 14. Moore, TP, Hunter, RE, Freeman, JR, Purnell, ML: *Outcome Study of Non-operative Management Versus Operative Reconstruction of Anterior Cruciate Ligament Rupture in Patients 50 Years of Age and Older*, 11th International Congress on Ski Trauma and Skiing Safety, Voss, Norway, _____ 1995. Presented by Dr. Moore.
 15. Stull, PA, Hunter, RE, Purnell, ML, Freeman, JR: *Acute Rupture of the Ulnar Collateral Ligament of the Thumb in Alpine Skiers*, American Academy of Orthopedic Surgeons 63rd Annual Meeting, Atlanta, Georgia, February 22-26, 1996. Presented by Dr. Stull.
 16. Hunter, RE, Mastrangelo, J, Freeman, JR, Purnell, ML: *The Impact of ACL Reconstruction Surgical Timing on Post-Operative Range of Motion and Stability Following ACL Surgery*, ISSS 12th International Symposium on Ski Trauma and Skiing, Whistler Blackcomb British Columbia, Canada, May 03-10, 1997. Presented by Dr. Hunter.