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Seay Center for Musculoskeletal Research
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CURRENT POSITION:

Director, Division of Clinical Implementation & Outcome Studies, Center for Excellence in Limb Lengthening and Reconstruction, Seay Center for Musculoskeletal Research at Texas Scottish Rite Hospital for Children

CURRENT APPOINTMENTS:

Honored Professor of the Russian Ilizarov Scientific Centre for Restorative Traumatology and Orthopaedics
Assistant Professor, Department of Orthopedic Surgery, University of Texas Southwestern Medical Center, Dallas, TX

EDUCATION & TRAINING:

Medical School – Novosibirsk State Medical University (Russia), 1977-1983
Degree: Medical Doctor

Clinical Clerkship - Novosibirsk State Medical University (Russia), 1982-1983
Qualification: Surgery, Traumatology, & Orthopedics

Internship & Residency - Kurgan Scientific Center "Restorative Traumatology & Orthopedics" (Russia), 1983 –1985
Type: Orthopedic Surgery

LICENSURE

Russian Medical Diploma, 1983 КБ № 361456

PROFESSIONAL ASSOCIATIONS

- Kurgan Society of Orthopedists and Traumatologists
- The Limb Lengthening & Reconstruction Society (LLRS) - ASAMI North America
- British Limb Reconstruction Society (BLRS)
- A.S.A.M.I. International
- SIROT (International Society for Orthopedic Research)

RESEARCH AREA OF INTEREST

- Limb Lengthening, Deformity Correction, & Bone Transport
- External Fixation & Complications
- Computer Assisted Preoperative Planning
- Distraction Osteogenesis & Histogenesis
- Medical Databases

PATENTS

1. Computer Program (Database): Information & Searching System «Osteosynthesis». Cherkashin A.M. RU 950,044. February 14, 1995
2. Device and technique for the soft tissue protection in external fixation surgery. Cherkashin A.M RU 1,466,443. August 15, 1994
3. Osteotom. Kurtov V.M., Cherkashin A.M. RU 1,964,612 July 04, 1994
4. Corticotom. Cherkashin A.M. RU 95,105,908/20 April 14, 1995
5. External Fixator Ring. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **US 12/864,534** (Filed 7/26/2010, US 2010/0305568, Published 12/2/2010, US Provisional Application 61/026,396, Filed 2/5/2008, PCT/US 2009/033258, Converted 2/5/2009, WO 2009/100247, Published 8/13/2009), **Pending**
6. External Fixator Ring. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **EP 09707791.1** (Filed 8/11/2010, EP 22400854, Published 10/20/2010, US Provisional Application 61/026,396, Filed 2/5/2008, PCT/US 2009/033258, Converted 2/5/2009, WO 2009/100247, Published 8/13/2009), **Pending**
7. External Fixator Ring. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **JP 5571001** (Application JP 2010-545284, Filed 8/2/2010, US Provisional Application 61/026,396, Filed 2/5/2008, PCT/US 2009/033258, Converted 2/5/2009, WO 2009/100247, Published 8/13/2009, Allowed 2014/5/26), Issued 9/9/2014
8. External Fixator Ring. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **JP 2014-060363** (Filed 3/24/2014, US Provisional Application 61/026,396, Filed 2/5/2008, PCT/US 2009/033258, Converted 2/5/2009, WO 2009/100247, Published 8/13/2009), **Pending**
9. External Fixation Strut. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **US 8,439,914** (US Application 12/864,807, Filed 7/27/2010, US 2010/0312243, Published 12/9/2010, US Provisional Application 61/027,408, Filed 2/9/2008, PCT/US 2009/033603, Converted 2/9/2009, WO 2009/100459, Published 8/13/2009), Issued 5/14/2013
10. External Fixation Strut. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **US 9,155,559** (US Application 13/891,382, Filed 5/10/2013, US Provisional Application 61/027,408, Filed 2/9/2008, PCT/US 2009/033603, Converted 2/9/2009, WO 2009/100459, Published 8/13/2009, Allowed 2015-06-03), Issued 10/13/2015
11. External Fixation Strut. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **US 14/880,954** (Filed 10/12/2015, US Provisional Application 61/027,408, Filed 2/9/2008, PCT/US 2009/033603, Converted 2/9/2009, WO 2009/100459, Published 8/13/2009), **Pending**

12. External Fixation Strut. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **EP 09708841.3** (Filed 8/11/2010, EP 2240085, Published 10/20/2010, US Provisional Application 61/027,408, Filed 2/9/2008, PCT/US 2009/033603, Converted 2/9/2009, WO 2009/100459, Published 8/13/2009), **Pending**
13. External Fixation Strut. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **JP 5507472** (Application JP 2010-546098, Filed 8/4/2010, US Provisional Application 61/027,408, Filed 2/9/2008, PCT/US 2009/033603, Converted 2/9/2009, WO 2009/100459, Published 8/13/2009), Issued 3/28/2014
14. External Fixation Strut. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **JP 2014-056823** (Filed 3/19/2014, US Provisional Application 61/027,408, Filed 2/9/2008, PCT/US 2009/033603, Converted 2/9/2009, WO 2009/100459, Published 8/13/2009), **Pending**
15. Fast Adjust External Fixation Connection Rod. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **US 8,444,644** (US Application 12/865,057, Filed 7/28/2010, US 2010/0331840, Published 12/30/2010, US Provisional Application 61/027,986, Filed 2/12/2008, PCT/US 2009/033975, Converted 2/12/2009, WO 2009/102904, Published 8/20/2009), Issued 5/21/2013
16. Fast Adjust External Fixation Connection Rod. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **US 9,078,700** (US Application 13/732,853, Filed 1/2/2013, US Provisional Application 61/027,986, Filed 2/12/2008, PCT/US 2009/033975, Converted 2/12/2009, WO 2009/102904, Published 8/20/2009, Allowed 3/10/2015), Issued 7/14/2015
17. Fast Adjust External Fixation Connection Rod. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **US 14/798,334** (Filed 7/13/2015, US Provisional Application 61/027,986, Filed 2/12/2008, PCT/US 2009/033975, Converted 2/12/2009, WO 2009/102904, Published 11/5/2015, Publication US2015/0313641), **Pending**
18. Fast Adjust External Fixation Connection Rod. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **EP 09710983.9** (Filed 8/11/2010, EP 2249721 (RM 5681), Published 11/17/2010, US Provisional Application 61/027,986, Filed 2/12/2008, PCT/US 2009/033975, Converted 2/12/2009, WO 2009/102904, Published 8/20/2009), **Pending**
19. Fast Adjust External Fixation Connection Rod. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **JP 5,667,882** (Application JP 2010-546904, Filed 8/12/2010, US Provisional Application 61/027,986, Filed 2/12/2008, PCT/US 2009/033975, Converted 2/12/2009, WO 2009/102904, Published 8/20/2009), Issued 12/19/2014
20. Fast Adjust External Fixation Connection Rod. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **JP 2014-179143** (Filed 9/3/2014, US Provisional Application 61/027,986, Filed 2/12/2008, PCT/US 2009/033975, Converted 2/12/2009, WO 2009/102904, Published 8/20/2009), **Pending**
21. Tool and Method for External Fixation Strut Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **US 8,864,750** (Application US 12/865,248, Filed 7/29/2010, US 2011/0004199, Published 1/6/2011, US Provisional Application 61/029,483, Filed 2/18/2008, PCT/US 2009/034413, Converted 2/18/2009, WO 2009/105479, Published 8/27/2009, Allowed 2014/3/3), Issued 10/21/2014
22. Tool and Method for External Fixation Strut Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **EP 2,252,222 B1** (Application EP 09712412.7, Filed 8/11/2010, Published 11/24/2010, US Provisional Application 61/029,483, Filed 2/18/2008, PCT/US 2009/034413, Converted 2/18/2009, WO 2009/105479, Published 8/27/2009), Issued 2014/03/26 (Regionalized IT, FR, DE, GB)
23. Tool and Method for External Fixation Strut Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **JP 5529047** (Application JP 2010-546960, Filed 8/12/2010, US Provisional Application 61/029,483, Filed 2/18/2008, PCT/US 2009/034413, Converted 2/18/2009, WO 2009/105479, Published 8/27/2009, Allowed 2014/3/31), Issued 4/26/2014

24. External Fixation Connection Rod for Rapid and Gradual Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **US 8,574,232** (US Application 13/675,961, Filed 11/13/2012), Issued 11/4/2013
25. External Fixation Connection Rod for Rapid and Gradual Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **AU 2013345321** (Filed, PCT/US 13/64067 (Filed 10/9/2013, Published 5/22/2014, WO 2014/077982), **Pending**
26. External Fixation Connection Rod for Rapid and Gradual Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **BR 11 2015 010792 3** (Filed, PCT/US 13/64067 (Filed 10/9/2013, Published 5/22/2014, WO 2014/077982), **Pending**
27. External Fixation Connection Rod for Rapid and Gradual Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **CO 15-132547** (Filed, PCT/US 13/64067 (Filed 10/9/2013, Published 5/22/2014, WO 2014/077982), **Pending**
28. External Fixation Connection Rod for Rapid and Gradual Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **EP 13855805.01-1654** (Filed, PCT/US 13/64067 (Filed 10/9/2013, Published 5/22/2014, WO 2014/077982), **Pending**
29. External Fixation Connection Rod for Rapid and Gradual Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **RU 2015117683** (Filed, PCT/US 13/64067 (Filed 10/9/2013, Published 5/22/2014, WO 2014/077982), **Pending**
30. External Fixation Connection Rod for Rapid and Gradual Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **PCT/US 13/64067** (Filed 10/9/2013, Published 5/22/2014, WO 2014/077982), **Nationalizing** (*China, Israel, Japan, South Africa*)
31. External Fixation Connection Rod for Rapid and Gradual Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **US 14/071,333** (Continuation of US 13/675,961, Filed 11/4/2013, Published 5/15/2014, US 2014/0135764), **Pending**
32. Dynamization Module for Strut Adjustment. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **US 14/260,134** (Filed 4/23/2014, Allowed 11/17/2015), **Pending**
33. Dynamization Module for External Fixation Strut. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **PCT/US 15/026719** (Filed 4/20/2015, Published 10/29/2015, WO 2015/164282), **Pending**
34. Collapsible Fixator System. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **US 14/325,227** (Filed 7/7/2014), **Pending**
35. Collapsible Fixator System. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **PCT/IB 2015/054666** (Filed 6/22/2015, Priority US 14/325,227), **Pending**
36. Wire Tensioner Tip for Use with Wire Fixation Bolt. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. Application **US 14/565,936** (Filed 12/10/2014), **Pending**
37. Wire Tensioner Tip for Use with Wire Fixation Bolt. Ross JD, Samchukov ML, Cherkashin AM, Birch JG. **PCT**, **Pending**
38. Methods and Systems for Roentgenography-Based Modeling. Vvedenskiy PS, Mikheev KE, Sivachev DA, Morenko AA, Cherkashin AM, Samchukov ML. Application **US 13/817,778** (Filed 4/26/2013, PCT/RU 2010/000452, Filed 8/20/2010, WO 2012/023876, Published 2/23/2012), **Pending**
39. Methods and Systems for Roentgenography-Based Modeling. Cherkashin AM, Mikheev KE, Morenko AA, Samchukov ML, Sivachev DA, Vvedenskiy PS. Application **EP 10809201.6** (Filed 2/27/2013, PCT/RU 2010/000452, Filed 8/20/2010, WO 2012/023876, Published 2/23/2012), **Pending**
40. Methods and Systems for Roentgenography-Based Modeling. Cherkashin AM, Mikheev KE, Morenko AA, Samchukov ML, Sivachev DA, Vvedenskiy PS. Application **CA 2809002** (Filed 2/20/2013, PCT/RU 2010/000452, Filed 8/20/2010, WO 2012/023876, Published 2/23/2012), **Pending**
41. Methods and Systems for Roentgenography-Based Modeling. Cherkashin AM, Mikheev KE, Morenko AA, Samchukov ML, Sivachev DA, Vvedenskiy PS. Application **BR 112013003955-8**

- (Filed 2/20/2013, PCT/RU 2010/000452, Filed 8/20/2010, WO 2012/023876, Published 2/23/2012), **Pending**
42. Method of Determining the Position of an Object using Projections of Markers or Struts. Cherkashin AM, Mikheev KE, Morenko AA, Samchukov ML, Sivachev DA, Vvedenskiy PS. **EP 13773426.5-1906** (Application Filed 10/20/2015, PCT/RU 2013/00203, Filed 3/15/2013, WO 2014/142703, Published 9/18/2014), **Pending**
 43. Method of Determining the Position of an Object using Projections of Markers or Struts. Cherkashin AM, Mikheev KE, Morenko AA, Samchukov ML, Sivachev DA, Vvedenskiy PS. **US 14/777,417** (Application Filed 9/15/2015, PCT/RU 2013/00203, Filed 3/15/2013, WO 2014/142703, Published 9/18/2014), **Pending**
 44. Method of Determining the Position of an Object using Projections of Markers or Struts. Cherkashin AM, Mikheev KE, Morenko AA, Samchukov ML, Sivachev DA, Vvedenskiy PS. **PCT/RU 2013/00203** (Filed 3/15/2013, WO 2014/142703, Published 9/18/2014), **Nationalizing** (*Australia, Brazil, China, Japan, Israel*)

CERTIFIED INVENTIONS

1. Surgical Approach for the Ilizarov Proximal Femur Reconstruction. **Certificate #20/30.05.89** (Kurgan, Russia)
2. Device for Roentgen Control of Hinges Placement. **Certificate #50/03.12.84** (Kurgan, Russia)
3. Device for Determination of Level of Femur Osteotomy. **Certificate #18/30.05.89** (Kurgan, Russia)
4. Device for Creation of Best Skin Position for the Ilizarov Femoral Reconstruction. **Certificate #19/30.05.89** (Kurgan, Russia)
5. Device for Determination of the Femoral Torsion Angle in Patients with Hip Pathology. **Certificate #24/03.07.89** (Kurgan, Russia)
6. Femur Osteotomy Technique **Certificate # 11/03.06.94** (Kurgan, Russia)
7. Device for Corticotomy. Certificate # 20/05.06.94 (Kurgan, Russia)
8. Bolt for Wire Fixation. Certificate # 89/21.11.94 (Kurgan, Russia)
9. Improved Computer-assisted Teaching process. Certificate # 88/21.11/94 (Kurgan, Russia)

BIBLIOGRAPHY

Books and Manuals

1. Samchukov ML, Cope JB, Cherkashin AM (eds.): Distraction Osteogenesis Interactive Course on CD-ROM. Vol. 1, Dallas, Texas: Global MedNet, Inc., 1999
2. Samchukov ML, Cope JB, Cherkashin AM (eds.): Craniofacial Distraction Osteogenesis. St. Louis: Mosby, 2001

Book Chapters

1. Samchukov ML, Cherkashin AM, Cope JB: Distraction Osteogenesis: Origins and Evolution. In: McNamara JA, Jr., Trotman CA (eds.). *Distraction Osteogenesis & Tissue Engineering*. Volume 34, Craniofacial Growth Series. Ann Arbor: Center for Human Growth and Development, University of Michigan; 1998:1-35
2. Samchukov ML, Cherkashin AM, Cope JB: Distraction Osteogenesis: History and Biologic Basis of New Bone Formation. In: Lynch SE, Genco RJ, Marx RE (eds.). *Tissue Engineering: Applications in Maxillofacial Surgery and Periodontics*. Carol Stream, Illinois: Quintessence Publishing Co, Inc.; 1998:131-146
3. Cope JB, Samchukov ML, Cherkashin AM: Origins and Evolution. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Distraction Osteogenesis Interactive Course on CD-ROM*. Vol. 1, Dallas, Texas: Global MedNet, Inc., 1999:7-33
4. Cope JB, Samchukov ML, Cherkashin AM: Devices and Techniques. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Distraction Osteogenesis Interactive Course on CD-ROM*. Vol. 1, Dallas, Texas: Global MedNet, Inc., 1999:34-76
5. Samchukov ML, Cope JB, Cherkashin AM: Biological Foundation. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Distraction Osteogenesis Interactive Course on CD-ROM*. Vol. 1, Dallas, Texas: Global MedNet, Inc., 1999:77-99
6. Samchukov ML, Cope JB, Cherkashin AM: Biomechanics. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Distraction Osteogenesis Interactive Course on CD-ROM*. Vol. 1, Dallas, Texas: Global MedNet, Inc., 1999:100-131
7. Cope JB, Samchukov ML, Cherkashin AM: Future Directions. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Distraction Osteogenesis Interactive Course on CD-ROM*. Vol. 1, Dallas, Texas: Global MedNet, Inc., 1999:546-569
8. Samchukov ML, Cope JB, Cherkashin AM: Introduction to Distraction Osteogenesis. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Craniofacial Distraction Osteogenesis*. St. Louis: Mosby, 2001:xxvii-xxxvi
9. Cope JB, Samchukov ML, Cherkashin AM: Historical Development and Evolution of Craniofacial Distraction Osteogenesis. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Craniofacial Distraction Osteogenesis*. St. Louis: Mosby, 2001:3-18
10. Samchukov ML, Cope JB, Cherkashin AM: Biologic Basis of New Bone Formation Under the Influence of Tension Stress. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Craniofacial Distraction Osteogenesis*. St. Louis: Mosby, 2001:21-36
11. Samchukov ML, Cope JB, Cherkashin AM: The Biomechanical Effects of Distraction Device Orientation During Mandibular Lengthening. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Craniofacial Distraction Osteogenesis*. St. Louis: Mosby, 2001:131-146
12. Samchukov ML, Cope JB, Cherkashin AM: Basic Principles of Bone Transport. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Craniofacial Distraction Osteogenesis*. St. Louis: Mosby, 2001:349-357
13. Cherkashin AM, Samchukov ML: Potential Mistakes and Complications During Distraction Osteogenesis. In: Samchukov ML, Cope JB, Cherkashin AM (eds.). *Craniofacial Distraction Osteogenesis*. St. Louis: Mosby, 2001:583-594
14. Samchukov ML, Makarov MR, El-Salanty M, Cherkashin ML, Birch JG. Muscle Adaptation to Gradual Distraction. In: Arnaud E, Diner PA (eds). *4th International Congress of Craniofacial and Maxillofacial Distraction*, Paris, France, July 2-5, 2003. Bologna, Italy: Monduzzi Editore SpA, 2003:15-20
15. Samchukov M.L.; Makarov M.R.; Cherkashin A.M.; Birch J.G. Distraction osteogenesis of the orthopedic skeleton: basic principles and clinical applications. In *Musculoskeletal Tissue Regeneration*. Humana Press, 2008: 183-198
16. Cherkashin AM, Samchukov ML, Birch JG, Stapleton JJ, Zgonis T. Stepwise Approach to Adult and Pediatric Foot and Ankle Malunions/Nonunions and External Fixation. In: Cooper PS, Polyzois VD,

- Zgonis T (eds). External Fixators of the Foot and Ankle, Philadelphia: Lippincott Williams & Wilkins, Chapter 18, 2013:318-340
17. Samchukov ML, Cherkashin AM, Rodriguez E, Birch JG. Stepwise Approach to Equinus Deformity Correction with Circular External Fixation. In: Cooper PS, Polyzois VD, Zgonis T (eds). External Fixators of the Foot and Ankle, Philadelphia: Lippincott Williams & Wilkins, Chapter 22, 2013:391-408
 18. Birch JG, Samchukov ML, Cherkashin AM. Circular External Fixation of the Spine and Pelvis for Insoluble Spinal Deformities. In: Kosaoglu M, Tsuchiya H, Eralp L (eds). Advanced Techniques in Limb Reconstruction Surgery, Berlin Heidelberg: Springer, Chapter 19, 2015:407-419
 19. Samchukov ML, Birch JG, Cherkashin AM. Pelvic Inlet Reconstruction for Obstruction Associated with Lumbosacral Agenesis Utilizing Distraction Osteogenesis and Circular External Fixation. In: Kosaoglu M, Tsuchiya H, Eralp L (eds). Advanced Techniques in Limb Reconstruction Surgery, Berlin Heidelberg: Springer, Chapter 20, 2015:421-431
 20. Wimberly L, Cherkashin AM, Samchukov ML. Open Femoral Fracture Treated with Internal Fixation Converted to Circular External Fixation due to Infection. In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 76, 2015
 21. Wimberly L, Cherkashin AM, Samchukov ML. Distal Femoral Fracture Treated Initially with Internal Fixation Converted to Circular External Fixation due to Non-union and Hardware Failure. In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 77, 2015
 22. Karol L, Cherkashin AM, Samchukov ML. Bilateral Genu Valgum due to Chondroectodermal Dysplasia (Ellis-van Creveld Syndrome). In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 78, 2015
 23. Karol L, Cherkashin AM, Samchukov ML. Adolescent with segmental bone defect secondary to Grade IIIB open tibial fracture treated by oblique wire bone transport. In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 79, 2015
 24. Rathjen K, Cherkashin AM, Samchukov ML. Three Year Old Female with Segmental Bone Defect due to Grade IIIB Open Tibial Fracture Treated by Oblique Wire Bone Transport. In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 80, 2015
 25. Rathjen K, Cherkashin AM, Samchukov ML. Sixteen Year Old Male with Tibial Malunion Complicated by Pathological Fracture. In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 82, 2015
 26. Rathjen K, Cherkashin AM, Samchukov ML. Ten Year Old Male with Comminuted Distal Femoral Fracture. In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 83, 2015
 27. Richards S, Cherkashin AM, Samchukov ML. Varus Deformity of the Distal Femur and LLD Secondary to Ollier's Disease Corrected by Gradual Deformity Correction and Lengthening. In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 84, 2015
 28. Birch J, Cherkashin AM, Samchukov ML. Vitamin D-Resistant Hypophosphatemic Rickets Treated by Double-Level Femoral Osteotomy with Internal Fixation and Proximal Tibial Osteotomy with Gradual Deformity Correction. In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 85, 2015
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- Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 88, 2015
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 35. Cherkashin AM, Birch J, Samchukov ML. Severe equinus secondary to Linear Scleroderma treated by gradual Deformity correction via circular external fixation without osteotomies. In: Rozbruch SR, Hamdy RC (eds). [Limb Lengthening and Reconstruction Surgery Case Atlas](#), Berlin Heidelberg: Springer, Chapter 92, 2015
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