



PD Dr. med. Pascal Knecht-Bösch

Curriculum Vitae, August 2014

Auszeichnungen

2013 September	Swiss OpthAward 2013 Knecht PB. et al.: «The Ocular Pulse Amplitude as a Screening Parameter for Carotid Artery Stenosis». Ophthalmology 2013. Kategorie «Höchste klinische Relevanz».
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Ärztlicher Werdegang

2014 August	Verleihung der Venia Legendi für das Gebiet Ophthalmologie Universität Zürich
2014 April	Inhaber und Leiter Augenpraxis Centerpassage www.augenpraxis-centerpassage.ch
2013 November	Medical Director St. Lucy Foundation, www.st-lucy.com
2013 Mai	Einreichung der Habilitation Universität Zürich
2013 Februar – September	Oberarzt und Spezialist für Uveitis Augenklinik, Universitätsspital Zürich
2012	Fellowship in Uveitis und Grundlagenforschung PD Dr. med Carl Herbort, Lausanne und Prof. John Forrester, Aberdeen, Scotland
2011 Juli – Dezember	Oberarzt Augenklinik, Universitätsspital Zürich
2009 – 2010 Juli – Juni	Assistenzarzt Augenklinik, Universitätsspital Zürich
2006 – 2009 Juli – Juni	Assistenzarzt Augenklinik, Universitätsspital Zürich
2005 – 2006 Dezember – Mai	Assistenzarzt Allgemeinmedizin Praxis Dr. Dieter Stössel, Zermatt
2005 Januar – November	Assistenzarzt Bezirksspital Brugg, interdisziplinärer Notfall



Spezialisiertes Training

2013	Grauer Star Operationen, advanced
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Juni	SOE Kopenhagen
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2011	Grauer Star Operationen
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März	Phako Training MTS, Schruns
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2008	Macula Course
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Oktober	Moorfields, London
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2008	Retinal Laser Treatment
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März	Bern
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2008	Clinical Science Course
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Januar	Brunnen
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2007	Optics and Refraction
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März	«Schober Kurs», München
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2007	Basic Science Course
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Januar	Brunnen
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Diplome

2014	Venia Legendi
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August	Ophthalmologie
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2014	FMH
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April	Ophthalmochirurgie
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2009	FMH
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Mai	Ophthalmologie
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2009	Fellow of the European Board of Ophthalmology
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Mai	Ophthalmologie
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2009	Clinical Science Prüfung
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April	Ophthalmologie
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2008	Basic Science Prüfung
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April	Grundlagenwissenschaften Ophthalmologie
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2006	Doktorwürde
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November	Is Silicone Oil Optic Neuropathy Caused by High Intraocular Pressure Alone? A Semi-Biological Model
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2004	Staatsexamen
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Oktober	Universität Zürich
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Schulen

1997–2004	Medizinstudium Universität Zürich, (Zweites Wahlstudienjahr mit Aufenthalt in Kuba)
1993–1997	Kantonsschule Baden, Typ C (Naturwissenschaften)
1989–1993	Bezirksschule Wettingen
1984–1989	Primarschule Neuenhof
1982–1984	Kindergarten Webermühle Neuenhof

Vorträge

2013 Juni	SOE Meeting, Kopenhagen «Arteritic vs. Non-Arteritic Anterior Ischemic Optic Neuropathy. Distinction by Measurement of the Ocular Pulse Amplitude»
2013 April	Postgraduate Lectures, Universität Zürich «Wissenswertes über die Toxoplasma Retinochoroiditis»
2012 September	EVER Meeting, Nizza «Secondary Choriokapillaritis in Infectious Choroiditis»
2010 Mai	ARVO, Fort Lauderdale «The Ocular Pulse Amplitude as a Screening Parameter for Carotid Artery Stenosis»
2009 November	AAO, San Francisco «The Ocular Pulse Amplitude in the Acute Phase of Giant Cell Arteritis»
2009 September	SOG, Lugano «DSAEK: Adjustment of Surgical Techniques Using Intraoperative Fourier-Domain OCT of the Anterior Segment»



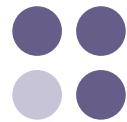
2008 Oktober	Glaucoma Meeting, Genf «Ahmed Valve: Only Ultima Ratio?»
2008 September	AAO, Atlanta «Dynamic Contour Tonometry: Handheld vs. Slitlamp Mounted»
2007 September	SOG, Montreux «Fibrotic Racemose Hemangioma of the Retina» «Rapid Progressive Extramedullary Plasmacytoma of the Orbit»
2004	NANOS/EUNOS Is Silicone Oil Optic Neuropathy Caused by High Intraocular Pressure Alone? A Semi-Biological Model

Reviewer für

- American Journal of Ophthalmology
 - Archives of Ophthalmology
 - Graefe's Archives of Ophthalmology
 - Investigative Ophthalmology and Visual Science
 - Acta Ophthalmologica
 - International Ophthalmology
 - Ophthalmologica
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Lehrtätigkeit

2010 – heute	Universität Zürich Studentenkurse für das 4. und 6. Studienjahr
2010 – heute	Universität Zürich Vorträge zum Thema «Uveitis» als Fortbildung für Assistenzärzte Fluoreszenzangiographieberichte



Buchkapitel

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- 2013 **«Entzündliche Augenerkrankungen»**
Springerverlag, Editor: Prof. Uwe Pleyer
- Birdshot Retinochoroiditis
 - Laser Flare Photometrie
 - Fluoreszenzangiographie in Uveitis

Publikationen zum Thema: «Altersbedingte Makuladegeneration»

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- 2013
Februar Knecht PB, Kordic H, Kurz-Levin M, Sturm V, Menke MN;
Inter-observer agreement for spectral- and time-domain
optical coherence tomography image grading: a prospective
study. Int Ophthalmol. 2013 Feb;33(1):47-52.
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- 2009
Dezember Menke MN, Dabov S, Knecht P, Sturm V; Reproducibility of
retinal thickness measurements in patients with age-related
macular degeneration using 3D Fourier-domain optical
coherence tomography (OCT) (Topcon 3D-OCT 1000).
Acta Ophthalmol. 2009 Dec 21.
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- 2009
September Knecht PB, Michels S, Sturm V, Bosch MM, Menke MN; Tunnelled
versus straight intravitreal injection: intraocular pressure
changes, vitreous reflux, and patient discomfort. Retina. 2009
Sep;29(8):1175-81.
-
- 2008
November Menke MN, Dabov S, Knecht P, Sturm V; Reproducibility of
retinal thickness measurements in healthy subjects using
spectralis optical coherence tomography. Am J Ophthalmol.
2009 Mar;147 (3):467-72. Epub 2008 Nov 20.
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- 2008 Knecht PB, Bosch MM, Helbig H (2008) Fibrotic racemose
hemangioma of the retina. Klin Monatsbl Augenheilkd.
225:495-6.
-
- 2007 Marti AC, Sutter FK, Barthelmes D, Fleischhauer JC, Kurz-Levin
MM, Bosch MM, Helbig H (2007) Photodynamic therapy of AMD
for the first (better sight) and the second (worse sight) eyes.
Ophthalmologie. 104:143-619.
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2007	Sutter FK, Menghini M, Barthelmes D, Fleischhauer JC, Kurz-Levin MM, Bosch MM, Helbig H (2007) Is pseudophakia a risk factor for neovascular age-related macular degeneration? Invest Ophthalmol Vis Sci. 48:1472-5.
2006	Sutter FK, Kurz-Levin M, Fleischhauer J, Barthelmes D, Bosch MM, Helbig H (2006) Macular atrophy after combined intravitreal triamcinolone acetonide (IVTA) and photodynamic therapy (PDT) for retinal angiomatous proliferation (RAP). Klin Monatsbl Augenheilkd. 223:376-8.
2006	Barthelmes D, Sutter FK, Kurz-Levin MM, Bosch MM, Helbig H, Niemeyer G, Fleischhauer JC (2006) Quantitative analysis of OCT characteristics in patients with achromatopsia and blue-cone monochromatism. Invest Ophthalmol Vis Sci. 47:1161-6.
2005	Bosch MM, Helbig H (2005) Blackening of a choroidal hemangioma after photodynamic therapy. Klin Monatsbl Augenheilkd. 222:258-60.

Publikationen zum Thema: «Uveitis»

2013 November	Knecht PB, Papadia M, Herbort CP; Secondary choriocapillaritis in infectious chorioretinitis. Acta Ophthalmol. 2013 Nov;91(7): Epub 2013 May 22.
2013 Oktober	Knecht PB, Mantovani A, Herbort CP; Indocyanine green angiography-guided management of Vogt-Koyanagi-Harada disease: differentiation between choroidal scars and active lesions. Int Ophthalmol. 2013 Oct;33(5):571-7.
2013 Oktober	Knecht PB, Papadia M, Herbort CP; Early and sustained treatment modifies the phenotype of birdshot retinochoroiditis. Int Ophthalmol. 2013 Oct 1.
2013 April	Knecht PB, Papadia M, Herbort CP; Granulomatous keratic precipitates in birdshot retinochoroiditis. Int Ophthalmol. 2013 Apr;33(2):133-7.
2013 April	Sabti S, Halter JP, Bosch MM, Goldblum D; Methotrexate treatment in severe chronic ocular graft versus host disease (GvHD). Klin Monbl Augenheilkd. 2013 Apr;230(4):344-5.



Publikationen zum Thema: «Hornhaut»

2013 Dezember	Bosch MM, Current concepts in corneal transplantation- Overview Ophta, Dec 6/2013: 417-420.
2013	Menghini M", Knecht PB", Watson S, Kaufmann C, Kovacs R, Landau K, Bosch MM; Treatment of Traumatic Corneal Abrasion: A Three-Arm Prospective Study. Ophthalmic Res 2013.
2012 Januar	Menghini M, Watson SL, Bosch MM. (2012) Corneal melting two weeks after pterygium excision with topical mitomycin C: successfully treated with lamellar keratoplasty and amnion membrane transplantation. Case Report Ophthalmol. 2012 Jan;3(1):24-9. Epub 2012 Jan 31.
2010 September	Bosch MM*, Barthelmes D*, Knecht PB, Bloch KE, Hefti U, Landau K, *shared first authorship. (2010) Corneal Thickness Changes in Very-High-Altitude Mountaineers -- reply. Arch Ophthalmol. 2010 Sept; 128(9):1225.
2010 Juni	Knecht PB, Kaufmann C, Menke MN, Watson SL, Bosch MM; Use of intraoperative fourier-domain anterior segment optical coherence tomography during descemet stripping endothelial keratoplasty. Am J Ophthalmol. 2010 Sep;150(3):360-365.e2. Epub 2010 Jun 29.
2010 April	Hasler S, Grimm F, Thiel MA, Müller NJ, Eberhard R, Bosch MM (2010) Swiss patient with a subconjunctival Dirofilaria repens. Klin Monatsbl Augenheilkd. 227:332-3. Epub 2010 Apr 20.
2010 Februar	Bosch MM, Barthelmes D, Merz TM, Knecht PB, Truffer F, Bloch KE, Thiel MA, Petrig BL, Turk AJ, Schoch OD, Hefti U, Landau K; New insights into changes in corneal thickness in healthy mountaineers during a very-high-altitude climb to Mount Muztagh Ata. Arch Ophthalmol. 2010 Feb;128(2):184-9.
2009	Di Girolamo N, Bosch MM, Zamora K, Coroneo MT, Wakefield D, Watson SL (2009) A Contact Lens-Based Technique for Expan- sion and Transplantation of Autologous Epithelial Progenitors for Ocular Surface Reconstruction. Transplantation. 87:1571-8.
2009	Borovik A, Bosch MM, Watson SL (2009) Ocular Pigmentation associated with Clozapine. Med J AuSt. 190:210-1.



Publikationen zum Thema: «Grüner Star»

2012 Juni	Knecht PB, Menghini M, Baumgartner R, Bachmann LM, Landau K; The Ocular Pulse Amplitude as a Non-Invasive Parameter for Carotid Artery Stenosis Screening: A Test Accuracy Study. <i>Ophthalmology</i> . 2012 Jun;119(6):1244-9.
2012 Februar	Töteberg-Harms M, Sturm V, Knecht P, Funk J, Menke MN; Repeatability of Nerve Fiber Layer Thickness Measurements in Patients with Glaucoma and without Glaucoma using Spectral-Domain and Time-Domain OCT <i>Graefes Arch Clin Exp Ophthalmol</i> . 2012 Feb;250(2):279-87.
2011 August	Knecht PB, Bosch MM, Michels S, Mannhardt S, Schmid U, Bosch MA, Menke MN; The ocular pulse amplitude at different intraocular pressure: a prospective study. <i>Acta Ophthalmol</i> . 2011 Aug;89(5):e466-71. Epub 2011 Mar 15.
2011 März	Knecht PB, Schmid U, Romppainen T, Hediger A, Funk J, Kanngiesser H, Kniestedt C; Hand-held dynamic contour tonometry. <i>Acta Ophthalmol</i> . 2011 Mar;89(2):132-7.
2010 April	Hediger A, Kniestedt C, Zweifel S, Knecht P, Funk J, Kanngiesser H; [Continuous intraocular pressure measurement: First results with a pressure-sensitive contact lens]. <i>Ophthalmologie</i> . 2009 Dec;106(12):1111-5. German. Erratum in: <i>Ophthalmologie</i> . 2010 Apr;107(4):376.
2009 Dezember	Menke MN, Dabov S, Knecht P, Sturm V; Reproducibility of retinal thickness measurements in patients with age-related macular degeneration using 3D Fourier-domain optical coherence tomography (OCT) (Topcon 3D-OCT 1000). <i>Acta Ophthalmol</i> . 2009 Dec 21.
2009 Oktober	Bosch MM, Barthelmes D, Merz TM, Truffer F, Knecht PB, Petrig B, Bloch KE, Hefti U, Schubiger G, Landau K; Intraocular pressure during a very high altitude climb. <i>Invest Ophthalmol Vis Sci</i> . 2010 Mar; 51(3):1609-13. Epub 2009 Oct 29.
2009 August	Knecht PB, Bosch MM, Menke MN, Bachmann LM, Funk J, Kaufmann C; Dynamic contour tonometry: handheld versus slit-lamp-mounted. <i>Ophthalmology</i> . 2009 Aug;116(8):1450-4. Epub 2009 Jun 4.



2008
August
Menke MN, Knecht P, Sturm V, Dabov S, Funk J; Reproducibility of nerve fiber layer thickness measurements using 3D fourier-domain OCT. Invest Ophthalmol Vis Sci. 2008 Dec;49(12):5386-91. Epub 2008 Aug 1.

2007
Mai
Knecht P, Groscurth P, Ziegler U, Laeng HR, Jaggi GP, Killer HE; Is silicone oil optic neuropathy caused by high intratocular pressure alone? A semi-biological model. Br J Ophthalmol. 2007 Oct; 91(10):1293-5. Epub 2007 May 2.

Publikationen zum Thema: «Höhenmedizin»

2013
April
Merz TM, Bosch MM, Barthelmes D, Pichler J, Hefti U, Schmitt KU, Bloch KE, Schoch OD, Hess T, Turk AJ, Schwarz U; Cognitive performance in high-altitude climbers: a comparative study of saccadic eye movements and neuropsychological tests. Eur J Appl Physiol. 2013 Aug;113(8):2025-37. doi: 10.1007/s00421-013-2635-6. Epub 2013 Apr 6.

2012
Dezember
Bosch MM, Barthelmes D, Landau K, Invited review: High altitude retinal hemorrhages- an update. High Alt Med Biol. 2012 Dec;13(4):240-4.

2012
Garde A, Giraldo BF, Jane R, Latshang TD, Turk AJ, Hess T, Bosch MM, Barthelmes D, Hefti JP, Maggiorini M, Hefti U, Merz TM, Schoch OD, Bloch KE (2012) Periodic breathing during ascent to extreme altitude quantified by spectral analysis of the respiratory volume signal. Conf Proc IEEE Eng Med Biol Soc. 2012.

2011
November
Latshang TD, Turk AJ, Hess T, Schoch OD, Bosch MM, Barthelmes D, Merz TM, Hefti U, Hefti JP, Maggiorini M, Bloch KE (2011) Acclimatization improves submaximal exercise economy at 5533 m. Scand J Med Sci Sports. 2011 Nov 3.

2011
Februar
Barthelmes D*, Bosch MM*, Merz TM, Petrig BL, Truffer F, Bloch KE, Holmes TA, Cattin P, Hefti U, Sellner M, Sutter FKP, Maggiorini M, Landau K, *shared first authorship (2011). Delayed Appearance of High Altitude Retinal Hemorrhages. PLoS ONE. Feb 17; 6(2):e11532.



2010	Pichler Hefti J, Risch L, Hefti U, Scharrer I, Risch G, Merz TM, Turk A, Bosch MM, Barthelmeß D, Schoch O, Maggiorini M, Huber AR (2010) Changes of coagulation parameters during high altitude expedition. <i>Swiss Med Wkly.</i> 140:111-117.
2009	Bloch KE, Turk AJ, Maggiorini M, Hess T, Merz T, Bosch MM, Barthelmeß D, Hefti U, Pichler J, Senn O, Schoch OD (2009) Effect Of Ascent Protocol On Acute Mountain Sickness And Success At Muztagh Ata, 7546m. <i>High Alt Med Biol.</i> 10:25-32.
2008 Dezember	Bosch MM, Merz TM, Barthelmeß D, Petrig BL, Truffer F, Bloch KE, Turk A, Maggiorini M, Hess T, Schoch O, Hefti U, Sutter FK, Pichler J, Huber A, Landau K (2009) New Insights into Ocular Blood Flow at very High Altitudes. <i>J Appl Physiol.</i> 106:454-60. Epub 2008 Dec 4.
2008	Bosch MM, Barthelmeß D, Merz T, Bloch KE, Turk AJ, Hefti U, Sutter FKP, Maggiorini M, Wirth MG, Schoch OD, Landau K (2008) High Incidence of Optic Disc Swelling at Very High Altitudes. <i>Arch Ophthalmol.</i> 126:644-50.
2006	Schnetzler G, Barthelmeß D, Bosch MM (2006) High Altitude Retinopathy (HAR): Fundusbefunde bei einem Expeditionsteilnehmer auf 6800m Höhe. <i>Schweiz Med Forum.</i> 6:1039.

Publikationen zum Thema: «Intraokularlinsen»

2010	Bosch MM, Funk J (2010) Dislozierte Intraokularlinse: Refixation durch eine Intraokularnaht. <i>Ophthalmochirurgie.</i> 22:199-204.
2003	Bosch MM, Landau K, Thiel MA (2003) Repositioning of a dislocated intraocular lens during a roller-coaster ride. <i>N Engl J Med.</i> 349:1094-6.
