

# Herz- und Gefässchirurgie Inselspital Bern

---

## Publikationen 2009

### A) Originalarbeiten In-House

1. Berdat PA, Lavanchy J, Schönhoff FS, Pavlovic M, Pfammatter JP, Carrel TP. Growth potential of U-clips interrupted versus polypropylene running suture anastomosis in congenital cardiac surgery: intermediate term results. *Interact Cardiovasc Thorac Surg* 2009; 9(4):565-70.
2. Brinks H, Tevaearai HT, Mühlfeld C, Bertschi D, Gahl B, Carrel TP, Giraud MN. Contractile function is preserved in unloaded heart despite atrophic remodeling. *J Thorac Cardiovasc Surg* 2009; 137(3):742-6 (IF-3.037).
3. Carrel TP, Eckstein FS, Turina M. Rolle der Bypasschirurgie in der Behandlung der koronaren Herzkrankheit - eine ausgewogene Information des Patienten und objektive Entscheidungskriterien sind erwünscht. *Ther Umsch* 2009; 66(4):293-300.
4. Carrel TP, Eigenmann V, Schmidli J. Images in cardio-thoracic surgery: Giant thoracic aneurysm with vertebral osteolysis: possible cause of hypercalcemia? *Eur J Cardiothorac Surg* 2009; 35(5):904 (IF-2.181).
5. Carrel TP, Englberger L. Aprotinin in cardiac surgery patients: is the risk worth the benefit? (Editorial Comment) *Eur J Cardiothorac Surg* 2009; 36(5):875-6 (IF-2.181).
6. Carrel TP, Englberger L. Coronary artery bypass surgery in patients treated with clopidogrel. Is it safe? *Current Opinion in Cardiol* 2009; 24(6):539-43 (IF-2.915).
7. Carrel TP, Schmidli J. Septal myectomy for hypertrophic obstructive cardiomyopathy: coil, boil and the role of rescue surgery. *Eur J Cardiothorac Surg* 2009; 36(1):210-1 (IF-2.181).
8. Carrel TP, Schönhoff FS, Cameron D. Reply to the Editor. *J Thorac Cardiovasc Surg* 2009; 137(5):1296-7 (IF-3.037).
9. Carrel TP, Schönhoff FS, Eckstein FS, Schmidli J. Reply to the Editor. *J Thorac Cardiovasc Surg* 2009; 137(5):1294-5 (IF-3.037).
10. Dick F, Hinder D, Immer FF, Savolainen H, Do DD, Carrel TP, Schmidli J. Thoracic endovascular aortic repair: impact of urgency on outcome and quality of life. *Eur J Cardiothorac Surg* 2009; 35(1):96-103 (IF-2.181).
11. Dick F, Schmidli J, Wyss TR, Carrel TP, Diehm N. Behandlungsstrategien beim Aortenaneurysma. Aortenersatz: Wann und wie? *CARDIOVASC* 2009; 9(5):46-9.
12. Dick F, von Allmen R, Li J, Giraud MN, Schmidli J, Tevaearai HT. Controlled reperfusion reduces extent of reperfusion injury in a rodent model of acute limb ischemia. *Br J Surg* 2009; 96(S3):25 (IF-4.921).
13. Diehm N, Schlomm M, Kalka C, Willenberg T, Do DD, Baumgartner I, Dick F. Endovaskuläre Behandlung infrarenaler Aortenaneurysmen: nur eine mechanische Lösung für ein biologisches Problem? *Z Gefässmed* 2009; 6(1):12-6.

14. Diehm N, Silvestro A, Baumgartner I, Do DD, Diehm C, Schmidli J, Dick F. Chronic critical limb ischemia: European experiences. *J Cardiovasc Surg (Torino)* 2009; 50(5):647-53 (IF-1.542).
15. Englberger L, Suri RM, Schaff HV. RIFLE is not RIFLE: on the comparability of results (letter). *Crit Care* 2009; 13(6):429 (IF-4.553).
16. Fuidl M, Kadner A, Loup O, Carrel TP. Kardiales Fibrom. Ursache einer unklaren Gedeihstörung bei einem Säugling. *Schweiz Med Forum* 2009; 14:286-7.
17. Gall CP, Schiemann U, Schmidli J, Sollinger D, Widmer MK. Septische Cavathrombose. *Schweiz Med Forum* 2009; 9:735-6.
18. Giraud MN, Carrel TP, Tevaearai HT. Hydrogel-based engineered skeletal muscle grafts normalize heart function early after myocardial infarction. *Artif Organs* 2009; 33:87-8 (IF-2.131).
19. Grapow MTR, Lampert F, Handschin R, Bremerich J, Eckstein FS, Carrel TP. Rezidivierende Synkopen und Thoraxschmerz bei einem jungendlichen Fussballspieler. *Schweiz Med Forum* 2009; 9:695-8.
20. Güllü AU, Banz Y, Krähenbühl E, Carrel TP, Schmidli J. Successful treatment of infected left ventricular pseudoaneurysm related to empyema. *Anadolu Kardiyol Derg* 2009; 9(4):351-2.
21. Hofstetter J, Kadner A, Eckstein FS, Carrel TP. Die Erhaltung der nativen Aortenklappe. Eine vorteilhafte Technik, auch bei akuter Aortendissektion Typ A. *Swiss Med Forum* 2009; 9:550-2.
22. Loup O, Ott D, Englberger L, Carrel TP. Images in cardio-thoracic surgery: Ruptured pseudoaneurysm with aorto-pulmonary shunt after aortic arch repair. *Eur J Cardiothorac Surg* 2009; 35(5):901 (IF-2.181).
23. Loup O, von Weissenfluh K, Gahl B, Schwerzmann M, Carrel TP, Kadner A. Quality of life of grown-up congenital heart disease patients after congenital cardiac surgery. *Eur J Cardiothorac Surg* 2009; 36(1):105-11 (IF-2.181).
24. Lutz HJ, Michael R, Gahl B, Savolainen H. Is carotid endarterectomy a trainee operation? *World J Surg* 2009; 33(2):242-5 (IF-2.641).
25. Neumann A, Göber V, Schenker S, Schmidli J. Invalidisierende Kalziphylaxie (Calcific uraemic arteriolopathy). *Gefässchirurgie* 2009; 14:388-90.
26. Reineke DC, Grapow MTR, Schumann M, Seeberger M, Carrel TP. Massive intraoperative thrombus of the aortic arch and proximal descending aorta. *J Card Surg* 2009; 24(4):470-2 (IF-0.754).
27. Schönhoff FS, Eckstein FS, Zimmerli S, Carrel TP. A case of infective endocarditis caused by *Bartonella quintana*: prolonged mild symptoms and a sudden life-threatening complication. *Kardiovaskuläre Medizin* 2009; 12(11):315-6.
28. Schönhoff FS, Fu Q, Van Eyk, JE. Cardiovascular Proteomics - Implications for clinical applications. *Clin Lab Med* 2009; 29(1):87-99 (IF-1.385).
29. Schönhoff FS, Griswold B, Matt P, Sloper LJ, Yamazaki M, Carlson OD, Dietz HC, Van Eyk JE, McDonnell NB. The Role of Circulating Transforming Growth Factor-β in Vascular

Ehlers-Danlos Syndrome: Implications for Drug Therapy. Circulation 2009; 120:S1048 (IF-14.595).

30. Schönhoff FS, Loupatatzis C, Immer FF, Stoupis C, Carrel TP, Eckstein FS. The role of the sinuses of Valsalva in aortic root flow dynamics and aortic root surgery: evaluation by magnetic resonance imaging. J Heart Valve Dis 2009; 18(4):380-5 (IF-1.112).
31. Schönhoff FS, Matyas G, Carrel TP. Management von Patienten mit Aortendissektion. Deutsches Ärzteblatt 2009; 106(10):171-2.

## B) Originalarbeiten Kollaborationen

1. Aregger F, Wenaweser P, Hellige GJ, Kadner A, Carrel TP, Windecker S, Frey FJ. Risk of acute kidney injury in patients with severe aortic valve stenosis undergoing transcatheter valve replacement. Nephrol Dial Transplant 2009; 24(7):2175-9 (IF-3.568).
2. Berendonk C, Widmer MK, Rogausch A, Giger M, Beyeler C. DOPS im OPS?! Direct Observation of Procedural Skills (DOPS) - ein Instrument zur Strukturierung der praktischen chirurgischen Weiterbildung. Swiss Knife 2009; 3:18-20.
3. Diehm N, Dick F, Czuprin C, Lawall H, Baumgartner I, Diehm C. Oscillometric measurement of ankle-brachial index in patients with suspected peripheral disease: comparison with Doppler method. Swiss Med Wkly 2009; 139(25-26):357-63 (IF-1.436).
4. Diehm N, Dick F, Katzen BT, Do DD, Baumgartner I. Endovascular repair of abdominal aortic aneurysms: only a mechanical solution for a biological problem? J Endovasc Ther 2009; 16 Suppl 1:I119-26 (IF-2.682).
5. Dur O, Lara M, Arnold D, Vandenberghe S, Keller B, DeGroff C, Pekkan K. Pulsatile in vitro simulation of the pediatric univentricular circulation for evaluation of cardiopulmonary assist scenarios. Artif Organs 2009; 33(11):967-76 (IF-2.131).
6. Eggebrecht H, Thompson M, Rousseau H, Czerny M, Lönn L, Metha RH, Erbel R; European registry on endovascular aortic repair complications / Collaborators (Eggebrecht H, Erbel R, Thompson M, Rousseau H, Czerny M, Lönn L, Böckler D, Fattori R, Fu W, Dong Z, Gaines P, Heijmen R, Just S, Justesen P, Langer S, Malina M, Piquet P, Riambau V, Schmidli J, Schmidt A, Trimarchi S, Tozzi P, Verhagen H, Weigang E, Verzini F, Bortone A, Buth J, Beregi JP, Bergeron P, Nyman R). Retrograde ascending aortic dissection during or after thoracic aortic stent graft placement: insight from the European registry on endovascular aortic repair complications. Circulation 2009; 120(11 Suppl):S276-81 (IF-14.595).
7. Gamberini M, Bolliger D, Lurati GA, Burkhardt CS, Grapow MTR, Gagneux A, Filipovic M, Seeberger M, Pargger H, Siegemund M, Carrel TP, Seiler WO, Berres M, Strebel MP, Monsch A, Steiner A. Rivastigmine for the prevention of postoperative delirium in elderly patients undergoing elective cardiac surgery: a randomized-controlled trial. Crit Care Med 2009; 37(5):1762-8 (IF-6.594).
8. Grapow MTR, Reineke DC, Kern T, Müller-Schweinitzer E, Carrel TP, Eckstein FS. Human internal thoracic arteries from diabetic patients are resistant to endothelial dysfunction. Fund Clin Pharmacol 2009; 23(5):567-72 (IF-2.109).
9. Huber C, Hurni M, Tsang V, von Segesser LK. Valved stents for transapical pulmonary valve replacement. J Thorac Cardiovasc Surg 2009; 137(4):914-8 (IF-3.037).

10. Husmann M, Federer J, Keo HH, Schmidli J, Kickuth R, Baumgartner I, Do DD. Bailout revascularization of chronic femoral artery occlusions with the new outback catheter following failed conventional endovascular intervention. *J Endovasc Ther* 2009; 16(2):206-12 (IF-2.682).

11. Käser A, Martinelli M, Feller M, Carrel TP, Mohacsi P, Hullin R. Heart rate response determines long term exercise capacity after heart transplantation. *Swiss Med Wkly* 2009; 139(21-22):308-12 (IF-1.436).
12. Magyar I, Colman D, Arnold E, Baumgartner D, Bottani A, Fokstuen S, Addor MC, Berger W, Carrel TP, Steinmann B, Matyas G. Quantitative Sequence Analysis of FBN1 Premature Termination Codons Provides Evidence for Incomplete NMD in Leukocytes. *Hum Mutat* 2009; 30(9):1355-64 (IF-7.033).
13. Matt P, Schönhoff FS, Habashi J, Holm T, Van Erp C, Loch D, Carlson OD, Griswold BF, Fu Q, De Backer J, Loeys B, Huso DL, McDonnell NB, Van Eyk JE, Dietz HC; the GenTAC Consortium. Circulating Transforming Growth Factor- $\beta$  in Marfan Syndrome. *Circulation* 2009; 120(6):526-32 (IF-14.595).
14. Nelle M, Raio L, Pavlovic M, Carrel TP, Surbek D, Meyer-Wittkopf M. Prenatal diagnosis and treatment planning of congenital heart defects - possibilities and limits. *World J Pediatrics* 2009; 5(1):18-22.
15. Noti F, Zimmerli S, Goerre S, Carrel TP, Suter T. Nagt Joghurt an den Herzklappen? *Praxis* 2009; 98(10):547-50.
16. Ortmann J, Widmer MK, Gretener S, Do DD, Willenberg T, Daliri A, Baumgartner I. Cystic adventitial degeneration: Ectopic ganglia from adjacent joint capsules. *VASA* 2009; 38(4):374-7 (IF-0.564).
17. Piazza N, van Gameren M, Jüni P, Wenaweser P, Carrel TP, Onuma Y, Gahl B, Hellige G, Otten A, Kappetein AP, Takkenberg JJ, van Domburg R, deJaegere P, Serruys P, Windecker S. A comparison of patient characteristics and 30-day mortality outcomes after transcatheter aortic valve implantation and surgical aortic valve replacement for the treatment of aortic stenosis. A two-center study. *EuroIntervention* 2009; 5(5):580-8.
18. Pilop C, Aregger F, Gorman RC, Brunisholz R, Gerrits B, Schaffner T, Gotman JH, Matyas G, Carrel TP, Frey BM. Proteomic analysis in aortic media of patients with Marfan syndrome reveals increased activity of Calpain 2 in aortic aneurysms. *Circulation* 2009; 120(11):983-91 (IF-14.595).
19. Renzulli P, Weimann RM, Barras JP, Carrel TP, Candinas D. Low grade endometrial stromal sarcome with inferior vena cava tumor thrombus and intracardiac extension. Radical resection may improve recidive free survival. *Surg Oncol* 2009; 18(1):57-64 (IF-1.083).
20. Robert J, Brack M, Hottinger S, Kadner A, Baur HR. A rare case of left ventricular cardiac myxoma with obstruction of the left ventricular outflow tract and atypical involvement of the mitral valve. *Eur J Echocardiogr* 2009; 10(4):593-5 (IF-1.917).
21. Roten L, Schmid JP, Merz F, Carrel TP, Zwahlen M, Walpoth N, Mohacsi P, Hullin R. Diastolic dysfunction of the cardiac allograft and maximal exercise capacity. *J Heart Lung Transplant* 2009; 28(5):434-9 (IF-3.323).
22. Salizzoni S, Bajona P, Zehr KJ, Anderson WD, Vandenberghe S, Speziali G. Transapical, off-pump, removal of the native aortic valve. A large animal study. *J Thorac Cardiovasc Surg* 2009; 138(2):468-73 (IF-3.037).
23. Serruys P, Morice MC, Kappetein P, Colombo A, Holmes DR, Mack M for the SYNTAX Investigators\* (T. Carrel, member of the Clinical Event Committee helping in preparing the manuscript). Percutaneous coronary intervention versus coronary artery bypass grafting for severe coronary artery disease. *N Engl J Med* 2009; 360:961-72 (IF-50.017).

24. Shu F, Vandenberghe S, Antaki JF. The importance of  $dQ/dt$  on the flow field in a turbo-dynamic pump with pulsatile flow. *Artif Organs* 2009; 33(9):757-62 (IF-2.131).
25. Wustmann K, Kucera JP, Mohaupt M, Scheffers I, de Leeuw PW, Schmidli J, Allemann Y, Delacrétaz E. Effects of chronic baroreceptor stimulation on the autonomic cardiovascular regulation in patients with drug-resistant arterial hypertension. *Hypertension* 2009; 54(3):530-6 (IF-7.368).
26. Wyss TR, Dick F, England A, Brown LC, Rodway AD, Greenhalgh RM. Three-dimensional imaging core laboratory of the endovascular aneurysm repair trials: validation of methodology. *Eur J Vasc Endovasc Surg* 2009; 38(6):724-31 (IF-3.007).

