

Curriculum Vitae

Name Andrej Banič
Born December 5, 1947, Ljubljana, Slovenia
Nationality Slovene
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Education

1954-62 Elementary School, Ljubljana, Slovenia
1962-66 Grammar School, Ljubljana, Slovenia
1966-73 Faculty of Medicine, Ljubljana, Slovenia
1973 Internship, University Clinical Centre, Ljubljana, Slovenia
1980 Board Exam in Surgery, Department of Surgery, Faculty of
Medicine, Ljubljana, Slovenia
1990 PhD, Faculty of Health Sciences, Linköping University, Sweden

Employment:

1974-84 Department of Plastic Surgery and Burns, University of Ljubljana
1984-89 Department of Surgery, Faculty of Medicine, Kuwait University as Assistant
Professor and Consultant Plastic Surgeon
1989-93 Department of Plastic Surgery, Inselspital, Bern as Oberarzt and Deputy head
of the Department (Stellvertreter des Chefarztes)
1994-1999 Department of Plastic Surgery, Inselspital, University of Bern as leitender Arzt
and Deputy head of the Department (Stellvertreter des Chefarztes)
2000-2013 Head of the Department of Plastic Surgery, Inselspital, University of Bern
(Klinikdirektor und Chefarzt)

Professional experiences

1974-80 Registrar & Sen. Registrar in Plastic Surgery
1980 Specialist in Plastic Surgery, University Department for
Plastic Surgery and Burns, University Clinical Centre, Ljubljana
1984-89 Assistant Professor, Consultant Plastic Surgeon, Department of Surgery,
Faculty of Medicine, Kuwait University
1984-89 Assistant Professor, Coordinator for Courses in Microsurgery, Faculty of
Medicine, Kuwait University
1986-89 Assistant Professor, Lecturer for the Final FRCS (Glasgow) Courses in Kuwait
1987-89 Assistant Professor, Co-ordinator for Postgraduate Training in Plastic Surgery,
Kuwait Institute for Medical Specialisation

- 1989 Oberarzt , Abt. für Plastische und Wiederherstellungschirurgie, Inselspital, Bern
- 1990 Ph D - Doctor of Medical Science in Plastic Surgery, Faculty of Health Sciences, Linköping University, Sweden
- 1993 Venia Docendi (Privat Docent), Faculty of Medicine, University of Bern (Umhabilitation)
- 1997 Professor (Nebenamtliche Extraordinarius), Faculty of Medicine, University of Bern
- 1997 Facharzt FMH für Plastische und Wiederherstellungschirurgie
- 1999 Professor, Faculty of Medicine, University of Bern

Special fields of Interest

Reconstructive surgery, Microsurgery, Hand surgery, Head and neck surgery, Burns

Professional education abroad

- 1977 Canniesburn Hospital, Glasgow, UK, 6th International Course in Plastic Surgery
- 1978 University Hospital Uppsala, Sweden, Prof. Gosta Arturson. Study of pathophysiology of burns
- 1981 Plastic Surgery Unit, Köln, Germany, Prof. J. Schrudde. Study of plastic and reconstructive surgery

Membership in Professional Societies

- 1973 Slovenian Medical Association
- 1978 International Society for Burn Injuries
- 1984 Kuwait Medical Association
- 1989 Verband Schweizerischer Assistenz-und Oberärzte
- 1990 European Association of Plastic Surgeons
- 1993 Vereinigung der nebenamtlichen Dozenten der Medizinischen Fakultät Bern
Vorstandsmidglied 1997-1999
- 1993 DAM-Deutschsprachige Arbeitsgemeinschaft für Mikrochirurgie
Vorstandsmidglied 1996-2002
- 1994 Schweizerische Gesellschaft für plastisch-rekonstruktive und ästhetische Chirurgie
Vorstandsmidglied 1996-2006
- 1996 Verbindung der Schweizer Ärzte (FMH)
- 1996 Aerzte Gesellschaft des Kantons Bern
- 1996 Medizinischer Bezirksverein Bern-Stadt
- 2000 World Society for Reconstructive Microsurgery

Special duties

- EURAPS -European Association of Plastic Surgeons
-Council member and representative of Switzerland
-Treasurer 2002-2009
-President 2011-2012

- UEMS -Union Européenne de Médecins Spécialistes
-Council member and representative of Switzerland
- EBOPRAS -European Board of Plastic and Reconstructive Surgery
-Council member and representative of Switzerland
-Chairman of the Educational Committee 2000-2004
-President 2004-2006
-Treasurer since 2006
- DAM -Deutschsprachige Arbeitsgemeinschaft für Mikrochirurgie
-Council member and representative of Switzerland
- SGPRAC -Swiss Society of Plastic, Reconstructive and Aesthetic Surgery
-President 2002-2004
-Council member 1994-2006
-President of the Commission for specialty examinations in plastic surgery (FMH)
-Delegate in KWFB commission of FMH

International Video-Journal of Plastic and Aesthetic Surgery Representative of Switzerland

Congress Organisation

- 1991 Interdisziplinäres orthopaedisch- und plastisch- chirurgisches Symposium, Bern
- 1994 New Trends in Plastic Surgery-International Symposium, Bern
- 1997 Jahreskongress DAM-Deutschsprachige Arbeitsgemeinschaft für Mikrochirurgie, Bern
- 1997 Neue Aspekte der Melanombehandlung - Interdisziplinäre Fortbildung, Bern
- 1999 26th Alpine Workshop, Flims
- 2002 11th European Course in Plastic Surgery, Bern
- 2003 30th Alpine Workshop, Flims
- 2004 40th Annual Meeting of SGPRAC
- 2008 35th Alpine Workshop, Grindelwald
- 2010 19th European Course in Plastic Surgery, Bern
- 2011 39th Alpine Workshop, Flims

Grants

- 1994 Kredit des Schweizerischen Nationalfonds zur Förderung der wissenschaftlichen Forschung für das Projekt "Microcirculatory blood flow in skeletal muscle and skin during ischemia, hypovolemia and resuscitation." (32-40761.94)
Sigurdsson G.H., Banic A., Wheatley M.A., Erni D.
SFr. 188'305
- 1996 Schweizerischer Nationalfonds zur Förderung der wissenschaftlichen Forschung: Forschungsstipendium an D. Erni für Forschungsaufenthalt am Department of Bioengineering, University of California San Diego
SFr. 50'902
- 1998 Kredit des Schweizerischen Nationalfonds zur Förderung der wissenschaftlichen Forschung für das Projekt "Pathophysiology and treatment of ischemic skin and muscle flaps." (32-54092.98)
Erni D, Banic A., Sigurdsson G.H.:
SFr. 222'750
- 1999 Overheadbeitrag der Universität Bern für das Projekt "Pathophysiology and treatment of ischemic skin and muscle flaps."
PD Dr. A. Banic
SFr. 45'000
- 1999 Grant-in aid des Departements Klinische Forschung der Universität Bern für das Projekt "Pathophysiology and treatment of ischemic skin and muscle flaps".
PD Dr. A. Banic.
SFr. 5'000
- 2000 Zusatzkredit des Schweizerischen Nationalfonds zur Förderung der wissenschaftlichen Forschung für das Projekt "Pathophysiology and treatment of ischemic skin and muscle flaps." (32-54092.98)
D. Erni, A. Banic, U. Bösch, A. Tschopp
SFr. 26'000
- 2001 Kredit des Schweizerischen Nationalfonds zur Förderung der wissenschaftlichen Forschung für das Projekt "Pathophysiology and treatment of ischemic skin and muscle flaps." (32-65149.01)
D. Erni, A. Banic, R. Wettstein, Y. Harder
SFr. 223'179
- 2002 Kredit der Josephine Clark Foundation für das Projekt "Pathophysiology and treatment of ischemic skin and muscle flaps."
D. Erni
SFr. 1'354
- 2003 Extrakredit der Universität Bern für das Projekt "Pathophysiology and treatment of ischemic skin and muscle flaps."
D. Erni, A. Banic

SFr. 100'100

2004 Nachfolgeprojekt des Schweizerischen Nationalfonds zur Förderung der wissenschaftlichen Forschung für das Projekt "Pathophysiology, Prevention, and Treatment of Critical Muscle and Skin Ischemia"
Y. Harder, D. Erni, R. Wettstein, J. Plock
SFr. 260'000

2005 Grant from Novartis Stiftung für medizinisch-biologische Project title: "Insulin induced, localized in-vivo lipohypertrophy for treatment of contour deformities"
M. A. Constantinescu, A. Banic, P. Diem
Sfr. 59'699

SNF-Grant nr. 310000-108447

Project title: "Effects of intraluminal, transmural, laser soldered microvascular anastomoses on vascular tissues and patency rates"

A. Banic, M. A. Constantinescu, M. Frenz
Sfr. 117'641

2008 SUVA Fonds
Die Extrakorporale Extremitätenperfusion als Gliedmassenerhaltende Massnahme bei Replantation nach Traumatischer Amputation
M. A. Constantinescu, E. Vögelin
SFR 138'000

Original articles

1. **Banic A**, A. Antolic:
Standardisation of disc diffusion method for testing the susceptibility of staphylococcus aureus to methicillin
Med Razgl 2: 115-129, 1970
2. **Banic A**:
Evaluation of radioactive resection of thireotocsic goiter
Med Razgl 12: 375-385, 1973
3. **Banic A**:
Basic principles of surgical treatment of burns in children
Zbornik Radova 490-492, 1979
4. Godina M., J. Bajec, **Banic A**, M.Kersnic:
Replantation of fingers and hands
Med Razgl 18: 65-74, 1979
5. Bajec J., M. Godina, **Banic A**, M. Kersnic:
Our experiences in finger and hand replantations
Zbornik predavanj XV podiplomskega tecaja iz kirurgije, 83-90, 1979
6. Brcic A., **Banic A**:
Advantages of early tangential excision in burns
Plast Chir 4:179-190, 1980
7. **Banic A**, K. Wulff:
Latissimus dorsi free flaps for total repair of extensive lower leg injuries in children
Plast Reconstr Surg 79: 769-775, 1987
8. **Banic A** P. Phillips:
Microsurgical courses in Kuwait
J Kuw Med Assoc 22: 83-85, 1988
9. **Banic A**, K. Kouris, N.M. Al-Ghussain, D.H. Lewis:
Radionuclide methodology for the assessment of the microcirculation in island pedicle flaps in a sheep model
Nucl Med Commun 10: 827-839, 1989
10. **Banic A**, U. Nilsson, I. Francis:
Magnification angiography and histology for the evaluation of microsurgical anastomosis
Microsurgery 11: 102-107, 1990
11. **Banic A**, I Francis, U. Nilsson:
Comparative study of the use of 9-0 PDS and 9-0 prolene in microvascular anastomosis
J Reconstr Microsurg 6: 293-297, 1990
12. **Banic A**, K. Kouris, D.H. Lewis, J.T. Christenson:
The effect of temperature on skin perfusion in a cutaneous flap model

Surg Res Commun 8: 203-214, 1990

13. **Banic A**, K. Kouris, N. Rajacic, M. Nazzal, O. Thulesius:
Increased flap viability after treatment with forskolin or with ridogrel, a thromboxane synthesis inhibitor and receptor blocker
Res Exp Med 190: 223-227, 1990
14. **Banic A**:
Assessment and improvement of the microcirculation in arterial skin flaps. The use of laser Doppler flowmetry and radionuclide methodology for the evaluation and ridogrel or forskolin for the improvement of the microcirculation in arterial skin flaps.
Linköping University Medical Dissertations No. 315, 1990
15. **Banic A**, K. Kouris, D.H. Lewis:
Evaluation of the microcirculation in a sheep island pedicle flap model with a laser Doppler flowmeter (LDF) and ^{99m}Tc labelled red blood cells (RBCs)
J Reconstr Microsurg 6: 345-351, 1990
16. **Banic A**, K. Kouris, N. Rajacic, M. Nazzal, N.M. Al-Ghussain, O. Thulesius:
Effect of ridogrel, a thromboxane receptor blocker and synthesis inhibitor on plasma and red blood cell flow in an arterial skin flap in sheep
Scand J Plast Reconstr Hand Surg 25: 9-14, 1991
17. **Banic A**, K. Kouris, D.H. Lewis:
Evaluation of red blood cell and plasma flow and volume by the use of dynamic dual static acquisition radionuclide technique in arterial flaps in sheep
Nucl Med Commun 12: 1025-1030, 1991
18. **Banic A**, K. Kouris, D.H. Lewis:
Evaluation of red blood cell and plasma flow immediately, 3 hours and 48 hours after flap elevation
Surg Res Commun 12: 147-155, 1992
19. **Banic A**, D. Geiser, M. Wanner, S.E. Larsen:
Doppler duplex for the evaluation of the degree of stenosis in carotid arteries in the rat
J Reconstr Microsurg, 9: 237-243, 1993
20. Sigurdsson G.H., H. A. F. Youssef, **Banic A**:
Effects of ketoprofen on respiratory and circulatory changes in endotoxic shock
Intensive Care Med, 19: 333-339, 1993
21. **Banic A**, G. H. Sigurdsson, A. M. Wheatley :
Influence of age on the cardiovascular response during graded haemorrhage in anaesthetised rats
Res Exp Med, 193: 315-321, 1993
22. **Banic A**, R. Hertel:
Double vascularized fibula for reconstruction of large tibial defects

J Reconstr Microsurg, 9: 421-428, 1993

23. Sigurdsson G.H., **Banic A**, A. M. Wheatley, D. Mettler:
Effects of halothane and isoflurane anaesthesia on microvascular blood flow in musculo-cutaneous flaps
Brit J Anaesth: 73: 826-832, 1994
24. **Banic A**, W. Boeckx, M. Greulich, P. Guelickx, A. Marchi, G. Rigotti, H. Tschopp:
Late results of breast reconstruction with free TRAM Flaps. A prospective multi-center study
Plast Reconstr Surg, 95: 1195-1204, 1995
25. Erni D., **Banic A**, A. M. Wheatley, G. H. Sigurdsson:
Haemorrhage during anaesthesia and surgery: Continuous measurement of microcirculatory blood flow in the kidney, liver, skin and skeletal muscle
Europ J Anaesth: 12; 423-429, 1995
26. **Banic A**, G. H. Sigurdsson, A. M. Wheatley:
Continuous perioperative monitoring of microcirculatory blood flow in pectoralis musculo-cutaneous flaps
Microsurgery: 16: 469-475, 1995
27. **Banic A**., H.-B. Ris, Erni D., H. Striffeler:
Free latissimus dorsi flap for chest wall repair after complete resection of infected sternum
Ann Thorac Surg: 60: 1028-1032, 1995
28. Sigurdsson G.H., **Banic A**, J.T. Christenson:
Microcirculation in the gastrointestinal tract
Dig Surg: 13; 250-254, 1996
29. Ris H.-B., **Banic A**, M. Furrer, D. Caversaccio, A. Cerny, P. Zbären:
Descending necrotizing mediastinitis: radical debridement by the use of Clamshell approach
Ann Thorac Surg 62; 1650-1654, 1996
30. Erni D., **Banic A**, G. H. Sigurdsson:
A dynamic study of the circulation in the gracilis muscle in humans
J Reconstr Microsurg: 12; 515-519, 1996
31. **Banic A**., V. Krejci, D. Erni, S. Petersen-Felix, G.H. Sigurdsson:
Effect of extradural anaesthesia on the blood perfusion of free latissimus dorsi flaps in pigs
Plast Reconstr Surg, 100; 945-955, Discussion 100, 1997
32. Erni D., **Banic A** , G. H. Sigurdsson, A. M. Wheatley:

Relationship between arterial pressure and blood flow in the generation of slow wave flow motion in rat skeletal muscle
Int J Microcirc: 17; 175-183, 1997

33. Kuznetsova L. D., N. Tomasek, G.H. Sigurdsson, **Banic A**, D. Erni, A. M. Wheatley:
Dissociation between volume blood flow and laser-Doppler signal from rat muscle during changes in vascular tone
Am J Physiol 274 (Heart Circ Physiol 43): H1248-H1254, 1998
34. **Banic A**, V. Krejci, D. Erni, A. M. Wheatley, G. H. Sigurdsson:
Effects of sodium nitroprusside and phenylephrine on blood flow in free musculocutaneous flaps in pigs under general anesthesia.
Anesthesiology 90; 147-55, 1999
35. Erni D., O. Lieger, **Banic A**:
Comparative objective and subjective analysis of temporalis tendon and microneurovascular transfer for facial reanimation
Brit J Plast Surg 52; 167-172, 1999
36. Erni D., **Banic A**:
Körperformung durch Entfernung von Haut und Fettgewebe
(Body-contouring by removal of abundant fat and skin tissue)
Therap Umschau 56; 206-211, 1999
37. Bösch U, **Banic A**:
Die chirurgische Behandlung des malignen Melanoms
(Surgical treatment of malignant melanoma).
Therap. Umschau 56: 318-323, 1999
38. Erni D., G. H. Sigurdsson, C. Signer, **Banic A**:
Effects of epidural anaesthesia on microcirculatory blood flow in free flaps in patients under general anaesthesia
Europ J Anaesthesiology 16; 692-698, 1999
39. Erni D., H. Sakai, **Banic A**, H. Tschopp, M. Intaglietta:
Quantitative assessment of microhemodynamics in ischemic skin flap tissue by intravital microscopy
Ann Plast Surg, 43; 405-415, 1999
40. Erni D., G. H. Sigurdsson, **Banic A**, A. M. Wheatley:
Regular slow wave flow motion in skeletal muscle is not determined by nitric oxide and endothelin
Microvasc Res 58; 167-176, 1999
41. Erni D., H. Sakai, A.G. Tsai, **Banic A**, G. H. Sigurdsson, M. Intaglietta:

- Haemodynamics and oxygen tension in the microcirculation of ischemic skin flaps after neural blockade and haemodilution
Br J Plast Surg 52; 565-572, 1999
42. Krejci V., L. Hildebrand, **Banic A**, D. Erni, A. M. Wheatley, G. H. Sigurdsson:
Continuous measurement of microcirculatory blood flow in the gastrointestinal organs during acute haemorrhage
Br J Anaesth 84; 468-475, 2000
 43. Wettstein R., R. Wessendorf, A. Sckell, M. Leunig, **Banic A**, D. Erni:
The effect of pedicle artery vasospasm on microhemodynamics in anatomically perfused and extended skin flap tissue
Annals Plast Surg 45; 155-161, 2000
 44. Hildebrand L. B., D. Erni, V. Krejci, **Banic A**, A. M. Wheatley, G. H. Sigurdsson
Dynamic study of the distribution of microcirculatory blood flow in multiple splanchnic organs in septic shock
Critical Care Medicine 28; 3233-3241, 2000
 45. Widmer M. K., T. Krueger, D. Lardinois, **Banic A**, H.-B. Ris
A comparative study of intrathoracic latissimus dorsi and serratus anterior muscle transposition
Europ J Cardio-Thoracic Surg, 18; 435-439, 2000
 46. Lardinois D., M. Müller, M. Furrer, **Banic A**, M. Gugger, H.-B. Ris:
Function assessment of chest wall integrity after methylmethacrylate reconstruction
Ann Thorac Surg; 69: 919-923, 2000
 47. Erni D., R. Wessendorf, R. Wettstein, M.K. Schilling, **Banic A**:
Endothelin receptor blockade improves oxygenation in contralateral TRAM flap tissue in pigs
Brit J Plast Surg; 54, 412-418, 2001
 48. Ott B., B.J. Züger, D. Erni, **Banic A**, T. Schaffner, H.P. Weber, M. Frenz:
Comparative in vitro study of tissue welding using a 808 nm diode laser and HO:YAG laser
Laser Med Sci 16; 260-266, 2001
 49. Anderson S.E., Schwab C., Staufer E., **Banic A**., Steinbach L.S.:
Hibernoma: imaging characteristics of a rare soft tissue tumor
Skeletal Radiol; 30(10): 590-595, 2001
 50. Schramm S., R. Wettstein, R. Wessendorf, S.M. Jakob, **Banic A**, D. Erni:
Acute normovolemic hemodilution improves oxygenation in ischemic flap tissue in a porcine model
Anesthesiology; 96: 1478-1484, 2002

51. Wettstein R., D. Erni, P. Berdat, D. Rothenfluh, **Banic A**:
Radical sternectomy and primary musculocutaneous flap reconstruction to control sternal osteitis
J Thorac cardiovasc Surg 123; 1185-1190, 2002
52. Blumenthal R., **Banic A**, C.U. Brand, H.B. Ris, D. Lardinois
Morbidity and outcome after sentinel lymph node dissection in patients with early-stage malignant cutaneous melanoma
Swiss Surg, 8; 209-214, 2002
53. Harder Y., D. Erni, **Banic A**:
Squamous cell carcinoma of the penile skin in a neovagina 20 years after male-to-female reassignment
Brit J Plast Surg; 55, 449-451, 2002
54. Erni D., R. Wettstein, S. Schramm, C. Contaldo, H. Sakai, S. Takeoka, E. Tschuchida, M. Leunig, **Banic A**:
Normovolemic hemodilution with HB vesicles solution attenuates hypoxia in ischemic hamster flap tissue
Am J Physiol Heart Circ Physiol 284; H1702-H1709, 2003
55. Hildebrand L.B., V. Krejci, M.E.tenHoevel, **Banic A**, G.H. Sigurdsson
Redistribution of microcirculatory blood flow within the intestinal wall during sepsis and general anesthesia.
Anesthesiology 98; 658-669, 2003
56. Gmur R.G., **Banic A**, D. Erni
Is it safe to combine abdominoplasty with other dermolipectomy procedures to correct skin excess after weight loss?
Ann Plast Surg, 51;353-357, 2003
57. Contaldo C., S. Schramm, R. Wettstein, H. Sakai, S. Takeoka, E. Tsuchida, M. Leunig, **Banic A**, D. Erni
Improved oxygenation in ischemic hamster flap tissue is correlated with increasing hemodilution with Hb vesicles and their O2 affinity
Am J Physiol Heart Circ Physiol 285; H1140-1147, 2003
58. Harder Y., C. Contaldo, J. Klenk, **Banic A**, SM. Jakob, D. Erni
Improved skin flap survival after local heat preconditioning in pigs
J Surg Res 119; 100-105, 2004
59. Ott B, Constantinescu MA, Erni D, **Banic A**, Schaffner T, Frenz M
Intraluminal laser light source and external solder: In vivo evaluation of a new technique for microvascular anastomosis.
Lasers Surg Med 35: 312-6, 2004
60. Anderson S.E., K.T. Beer, **Banic A**, L.S.Steinbach, M. Martin, E.E. Friedrich, E. Stauffer, P.Vock, R. Greiner

MRI of Merkel cell carcinoma: histologic correlation and review of the literature.
AJR: 185, December 2005

61. Contaldo C, Plock J, Djonov V, Leunig M, **Banic A**, Erni D
The influence of trauma and ischemia on carbohydrate metabolites monitored in hamster flap tissue.
Anesth Analg 100: 817-22, 2005
62. Contaldo C, Plock J, Sakai H, Takeoka S, Tsuchida E, Leunig M, **Banic A**, Erni D
New generation of hemoglobin-based oxygen carriers evaluated for oxygenation of critically ischemic hamster flap tissue.
Crit Care Med 33: 806-12, 2005
63. Harder Y, Contaldo C, Klenk J, **Banic A**, Jakob SM, Erni D
Preconditioning with Monophosphoryl Lipid A improves survival of critically ischemic tissue.
Anesth Analg 100: 1786-92, 2005
64. Plock J, Contaldo C, Sakai H, Tsuchida E, Leunig M, **Banic A**, Menger MD, Erni D
Is hemoglobin in hemoglobin vesicles infused for isovolemic hemodilution necessary to improve oxygenation in critically ischemic hamster skin?
Am J Physiol 289: H2624-31, 2005
65. Harder Y, Amon M, Schramm R, Georgi M, **Banic A**, Erni D, Menger MD
Heat shock preconditioning reduces ischemic tissue necrosis by heat shock protein (HSP)-32-mediated improvement of the microcirculation rather than induction of ischemic tolerance.
Ann Surg 242: 869-78, 2005
66. Harder Y, Amon M, Georgi M, **Banic A**, Erni D, Menger MD
Evolution of a "falx lunatica" in the demarcation of critically ischemic myocutaneous tissue.
Am J Physiol 288: H1224-32, 2005
67. Tarantino I, **Banic A**, Fischer T.
Evaluation of late results in breast reconstruction by latissimus dorsi flap and prosthesis implantation.
Plast Reconstr Surg 117(5):1387-94, 2006
68. Hallermann W., S. Olsen, T. Bardyn, F. Taghizadeh, **Banic A**, T. Iizuka:
A new method for computer-aided operation planning for extensive mandibular reconstruction.
Plast Reconstr Surg 117(7): 2431-2437, 2006
69. Nicolai J.-P. A., **Banic A**, G. Molea, R. Mazzola, J.G. Poëll
Architecture of European Plastic Surgery
J Plast Recon Aesthetic Surg 59: 1345-1347, 2006

70. Hausherr CK, Schiffer IB, Gebhard S, **Banic A**, Tanner B, Kolbl H, Thoenes E, Beckers T, Spangenberg C, Prawitt D, Trost T, Zabel B, Oesch F, Hermes M, Hengstler JG:
Dephosphorylation of p-ERK1/2 in relation to tumor remission after HER-2 and Raf1 blocking therapy in a conditional mouse tumor model.
Mol Carcinog. 2006 May;45(5):302-8.
71. Handschin AE, **Banic A**, Constantinescu MA.
Pulmonary embolism after plastic surgery tourism.
Clin Appl Thromb Hemost. 2007 Jul;13(3):340.
72. Contaldo C, Harder Y, Plock J, **Banic A**, Jakob SM, Erni D.
The influence of local and systemic preconditioning on oxygenation, metabolism and survival in critically ischaemic skin flaps in pigs.
J Plast Reconstr Aesthet Surg. 2007;60(11):1182-92.
73. Plock JA, Tromp AE, Contaldo C, Spanholtz T, Sinovcic D, Sakai H, Tsuchida E, Leunig M, **Banic A**, Erni D.
Hemoglobin vesicles reduce hypoxia-related inflammation in critically ischemic hamster flap tissue.
Crit Care Med. 2007 Mar;35(3):899-905.
74. Handschin A.E., D. Bietry, R. Hüsler, **Banic A**, M. Constantinescu
Surgical management of gynecomastia-a 10 year analysis
World J Surg, Volume 32, Number 1 / January, 2008
75. De Kerviler S., R. Hüsler, **Banic A** and M. A. Constantinescu
Body Contouring Surgery Following Bariatric Surgery and Dietetically Induced Massive Weight Reduction: A Risk Analysis
Obes Surg, 0960-8923 (Print) 1708-0428 (Online), DOI 10.1007/s11695-008-9659-8
76. Hüsler R, Schlittler FL, Kreutziger J, Streit M, **Banic A**, Schöni-Affolter F, Hunger RE, Constantinescu MA.
Staged surgical therapy of basal cell carcinoma of the head and neck region: an evaluation of 500 procedures
Swiss Med Wkly. 2008;138(49-50):746-751
77. Alfieri A, Bregy A, Constantinescu M, Stuker F, Schaffner T, Frenz M, **Banic A**, Reinert M.
Tight contact technique during side-to-side laser tissue soldering of rabbit aortas improves tensile strength.
Acta Neurochir Suppl. 2008;103:87-92
78. Ziswiler-Gietz J, Makrodinou M, Harder Y, **Banic A**, Erni D.
Outcome analysis of breast reconstruction with free transverse rectus abdominis musculocutaneous (TRAM) flaps.
Swiss Med Wkly. 2008 Feb 23;138(7-8):114-20.

79. Wettstein R, Schürch R, **Banic A**, Erni D, Harder Y.
Review of 197 consecutive free flap reconstructions in the lower extremity.
J Plast Reconstr Aesthet Surg. 2008 Jul;61(7):772-6.
80. Feinendegen DL, Niederhäuser T, Herrmann G, Abderhalden S, Vögelin E, **Banic A**, Constantinescu MA.
The subcostal artery perforator flap; an anatomical study.
J Plast Reconstr Aesthet Surg. 2008 Dec;61(12):1496-502.
81. Hüsler R, Schlittler FL, Kreutziger J, Streit M, **Banic A**, Schöni-Affolter F, Hunger RE, Constantinescu MA.
Staged surgical therapy of basal cell carcinoma of the head and neck region: an evaluation of 500 procedures.
Swiss Med Wkly. 2008 Dec 13;138(49-50):746-51.
82. Plock JA, Rafatmehr N, Sinovic D, Schnider J, Sakai H, Tsuchida E, **Banic A**, Erni D.
Hemoglobin vesicles improve wound healing and tissue survival in critically ischemic skin in mice.
Am J Physiol Heart Circ Physiol. 2009 Sep;297(3):H905-10.
83. Kiermeir D, **Banic A**, Rösler K, Erni D.
Sciatic neuropathy after body contouring surgery in massive weight loss patients.
J Plast Reconstr Aesthet Surg. 2009 Aug 22. [Epub ahead of print] PMID: 19703796
84. de Kerviler S, Hüsler R, **Banic A**, Constantinescu MA.
Body Contouring Surgery Following Bariatric Surgery and Dietetically Induced Massive Weight Reduction: A Risk Analysis.
Obes Surg. 2009 May; 19(5):553-9
85. Schlosser S, Spanholtz T, Merz K, Dennler C, **Banic A**, Erni D, Plock JA
The choice of anesthesia influences oxidative energy metabolism and tissue survival in critically ischemic murine skin
J Surg Res 2009, Epub
86. Wirth R, **Banic A**, Erni D
Aesthetic outcome and oncological safety of nipple-areola complex replantation after mastectomy and immediate breast reconstruction.
J Plast Reconstr Aesthet Surg 2009, Epub
87. Constantinescu MA, Knall E, Xu X, Kiermeir DM, Jenni H, Gygax E, Rieben R, **Banič A**, Vögelin E.
Preservation of amputated extremities by extracorporeal blood perfusion; a feasibility study in a porcine model.
J Surg Res. 2011 Nov;171(1):291-9
88. Schlosser S, Wirth R, Plock JA, Serov A, **Banic A**, Erni D.

Application of a new laser Doppler imaging system in planning and monitoring of surgical flaps.

J Biomed Opt. 2010 May-Jun;15(3):036023.

89. Shafighi M, Olariu R, Fathi AR, Djafarzadeh S, Jakob SM, **Banic A**, Constantinescu MA.
Dimethyloxalylglycine stabilizes HIF-1 α in cultured human endothelial cells and increases random-pattern skin flap survival in vivo.
Plast Reconstr Surg. 2011 Aug;128(2):415-22.
90. Banic B, Meier B, **Banic A**, Weinand C:
Thoracic radionecrosis following repeated cardiac catheterization.
Radiol Res Pract. 2011
91. Banic B, **Banic A**, Weinand C:
Large ulcerating metastasing basal cell carcinoma of the back.
Zdr vest. 80; 2011 137-141
92. Shafighi M, Olariu R, Brun C, Fathi AR, Djafarzadeh S, Jakob SM, Hunger RE, **Banic A**, Constantinescu MA.
The role of androgens on hypoxia-inducible factor (HIF)-1 α -induced angiogenesis and on the survival of ischemically challenged skin flaps in a rat model.
Microsurgery. 2012 Sep;32(6):475-81.
93. Müller S, Constantinescu MA, Kiermeir DM, Gajanayake T, Bongoni AK, Vollbach FH, Meoli M, Plock J, Jenni H, **Banic A**, Rieben R, Vögelin E.
Ischemia/reperfusion injury of porcine limbs after extracorporeal perfusion.
J Surg Res. 2012 Jun 17.
94. Shafighi M, Fathi AR, Brun C, Huemer GM, Wirth R, Hunger R, **Banic A**, Constantinescu MA.
Topical application of 17 β -estradiol (E2) improves skin flap survival through activation of endothelial nitric oxide synthase in rats.
Wound Repair Regen. 2012 Sep-Oct;20(5):740-7
95. Shafighi M, Constantinescu MA, Huemer GM, Olariu R, Bonel HM, **Banic A**, Ramakrishnan V.
The extended diep flap: Extending the possibilities for breast reconstruction with tissue from the lower abdomen.
Microsurgery. 2013 Jan;33(1):24-31.