



PROF. DR. MED. FRIEDHELM BRASSEL

CHEFARZT DER KLINIK FÜR RADIOLOGIE
UND NEURORADIOLOGIE

SCHWERPUNKT: NEURORADIOLOGIE

AUSBILDUNG

Medizinstudium: 1976-82: Universität Bonn Abschluss 1982
Dissertation: 1978 - 1983 (Prof. Dr. J. Wappenschmidt, Abteilung
Neuroradiologie der Neurochirurgischen Universitätsklinik Bonn)
Thema: ‚Hämodynamik und Therapie der Karotis-Kavernosus-
Fistel‘ (Eigene Entwicklung eines ablösbaren
Ballonmikrokatheters mit integriertem Ventil. Erprobung im
Tierversuch und ab Anfang 1979 erfolgreicher Einsatz am
Menschen bei AVF wie CSCF und A. vertebralis Fisteln)

PERSÖNLICHES AND KONTAKTINFORMATIONEN

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KLINISCHE AUSBILDUNG

1983-88: Klinik für Neurochirurgie und Abt. Neuroradiologie,
Universität Bonn
1988/89: Abt. f. Radiologie II, Medizinische Hochschule Hannover
1990-96: Abt. f. Neuroradiologie, Medizinische Hochschule
Hannover
1996-98: Kommissarischer Direktor der Abt. für Radiologie und
Neuroradiologie, Universität Greifswald
1998-2000: Abt. für Neuroradiologie, Medizinische Hochschule
Hannover

FACHÄRZTL. QUALIFIKATION

1990: Facharzt für Radiologie und Schwerpunkt Neuroradiologie

ERNENNUNG

1993-98: Privatdozent (Habilitation zum Thema ‚Entwicklung und
Erprobung eines Gefäßmodells zur Simulation einer Embolisation
mit Ethibloc® bei spinaler duraler arteriovenöser Malformation‘)
seit 1998: Außerplanmäßiger Professor in Radiologie und
Neuroradiologie an der Medizinischen Hochschule Hannover

LEHRTÄTIGKEIT

Für Studenten der Medizinischen Hochschule Hannover und der
Universität Duisburg-Essen

DERZEITIGE POSITION

Chefarzt der Klinik für Radiologie und Neuroradiologie, Sana
Kliniken Duisburg

PUBLIKATIONEN

> 100 Publikationen, > 160 wissenschaftliche Vorträge,
17 Buchbeiträge

SCHWERPUNKTE

Entwicklung von Embolisaten und Embolisationstechniken:

- Ablösbare Ballonmikrokatheter, homogenisiertes Ethibloc®,
Mikro-Retriever
- Embolisationen von AVF und AVM mit kombiniert
transvenöser Technik und „kissing microcatheter technique“
- Embolisation von komplexen Hirngefäßfehlbildungen bei
Neugeborenen und Kindern wie Vena Galeni Malformationen,
duralen Sinusmalformationen, Vertebralisfisteln etc.
- Embolisation von komplexen Aneurysmen mit „kissing-Y
stenting“
- Embolisation von komplexen peripheren AVF/AVM, venösen
und lymphatischen Malformationen
- Embolisation von spinalen Gefäßfehlbildungen

Duisburg, 29.11.2016

Friedhelm Brassel

AUSGEWÄHLTE AKTUELLE PUBLIKATIONEN

Meila D, Hannak R, Feldkamp A, Schlunz-Hendann M, Mangold
A, Jacobs, C, Papke K, Brassel F. Vein of Galen aneurysmal
malformation: combined transvenous and transarterial method
using a „kissing microcatheter technique“. *Neuroradiology*. 2011

Brassel F, Melber K, Schlunz-Hendann M, Meila D. Kissing-Y
stenting for endovascular treatment of complex wide necked
bifurcation aneurysms using Acandis Acclino stents: results and
literature review. *J Neurointerv Surg*. 2015

Brassel F, Meila D. Evolution of Embolic Agents in Interventional
Neuroradiology. *Clinical Neuroradiol*. 2015

AUSGEWÄHLTE AKTUELLE PUBLIKATIONEN

Meila D, Grieb D, Greling B, Melber K, Jacobs C, Hechtner M, Schmitz T, Schlunz-Hendann M, Brassel F. Endovascular treatment of head and neck arteriovenous malformations: long-term angiographic and quality of life results. *J Neurointerv Surg.* 2016

Brassel F, Melber K, Schlunz-Hendann M, Meila D, Kissing-Y stenting for endovascular treatment of complex wide necked bifurcation aneurysms using Acandis Acclino stents: results and literature review. *J Neurointerv Surg.* 2015

Brassel F, Meila D. Evolution of Embolic Agents in Interventional Neuroradiology. *Clinical Neuroradiol.* 2015

PUBLIKATIONSVERZEICHNIS

- Hammans P, Brassel F (1987). Three trigeminal neurinomas of different location and extension. *Neurosurg Rev.* 10(2):157-60.
- Moskopp D, Brassel F, Ries F (1987). [Intracranial and intraspinal hemorrhages in treatment with coumarin derivatives. Catamnesis of 63 cases between 1978 and 1986]. *Klin Wochenschr.* 65(16):781-90. German.
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- Brassel F, Solymosi L (1988). An unusual congenital arteriovenous fistula of the vertebral artery and its embolization by a detachable balloon catheter. *Neurosurg Rev.* 11(1):99-101.
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- Hendrickx P, Roth U, Brassel F, Wagner HH (1989). [Status of color-coded Doppler ultrasound in imaging of stenoses and occlusions of the femur and knee]. *Vasa Suppl.* 27:350-2. German.
- Hendrickx P, Brassel F, Roth U, Ranke K, Wagner HH (1989). [Effect of muscle, fascia and fatty tissue on quantitative measurement with duplex and color Doppler ultrasound]. *Vasa Suppl.* 27:360-2. German.
- Hendrickx P, Roth U, Brassel F, Wagner HH (1989). [Can echo-contrast enhancing substances improve imaging of the superficial femoral artery in the adductor canal using angiodynography?]. *Vasa Suppl.* 27:363-5. German.
- Ranke C, Roth U, Brassel F, Hendrickx P (1989). [Conventional and color-coded duplex sonography in a comparative study: quantitative flow measurements in a phantom in vitro]. *Vasa Suppl.* 27:366-8. German.
- Harder T, Dewes W, Solymosi L, Steudel A, Brassel F (1989). [MR tomography, CT and angiography of vascular malformations of the central nervous system]. *Rofo.* 150(2):119-24. German.
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- Hendrickx P, Roth U, Brassel F, Taubert K, Ranke C, Wagner HH (1990). [Phantom studies of the value of color-coded Doppler sonography in arterial occlusive disease of the lower extremities]. *Rofo.* 152(1):1-5. German.
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- Hendrickx P, Brassel F, Roth U, Froehlich H, Wagner HH (1991). Phantom studies using echo contrast media to improve the Doppler color sonographic imaging of the superficial femoral artery in the adductor canal]. *Rofo.* 154(1):34-8. German. Erratum in: *ROFO Fortschr Geb Rontgenstr Nuklearmed* 154(5):574.
- Ranke C, Hendrickx P, Roth U, Brassel F, Creutzig A, Alexander K (1992). Color and conventional image-directed Doppler ultrasonography: accuracy and sources of error in quantitative blood flow measurements. *J Clin Ultrasound.* 20(3):187-93.
- Brassel F (1993). [Possibilities and limits of local intra-arterial fibrinolysis in thromboembolic vascular occlusions of the central nervous system]. *Z Gesamte Inn Med.* 48(6-7):351-5. Review. German.
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47. Meila D, Paramasivam S, Niimi Y, Brassel F, Berenstein A (2012). The Persistent Primitive Marginal Sinus - Observations in children with Vein of Galen Malformation. *Neuroradiology*. 54(12): 1375-9.
48. Meila D, Wetter A, Brassel F, Nacimiento W (2012). Intermittent Hypoglossal Nerve Palsy Caused by a Calcified Persistent Hypoglossal Artery: An Uncommon Neurovascular Compression Syndrome. *Journal of Neurol Sci*. 323(1-2): 248-9.
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51. Meila D, Tysiac M, Brassel F (2013). Re: Variations in the origin of the vertebral artery and its level of entry into the transverse foramen diagnosed by CT angiography. *Neuroradiology*. 55(5):649. doi: 10.1007/s00234-013-1161-x. Epub 2013 May 8.
52. Wetter A, Shin M, Meila D, Brassel F, Schlunz-Hendann M (2013). Treatment of Middle Cerebral Artery Occlusion and Internal Carotid Artery Dissection with Combined Mechanical Thrombectomy and Stenting of the Internal Carotid Artery. *The Neuroradiology Journal*. 26: 84-88.

PUBLIKATIONSVERZEICHNIS (CONT.)

53. Maslehaty H, Ngando H, Meila D, Brassel F, Scholz M, Petridis AK (2013). Estimated low risk of rupture of small-sized unruptured intracranial aneurysms (UIAs) in relation to intracranial aneurysms in patients with subarachnoid haemorrhage. *Acta Neurochir*. 155(6):1095-100.
54. Grieb D, Feldkamp A, Lang T, Melter M, Stroszczynski C, Brassel F, Meila D (2014). Caroli disease associated with Vein of Galen Malformation in a male child. *Pediatrics*, 134(1): e284-e288.
55. Meila D, Lissek K, Jacobs C, Lanfermann H, Brassel F, Feldkamp A (2015). Cranial Doppler ultrasound in Vein of Galen Malformation. *Neuroradiology*, 57: 211-19.
56. Seidel DU, Remmert S, Brassel F, Schlunz-Hendann M, Meila D (2014). Superselective microcoil embolization in severe intractable epistaxis: an analysis of 12 consecutive cases from an otorhinolaryngologic and interventional neuroradiologic point of view. *Eur Arch Otorhinolaryngol* 2014 Dec 11 [Epub ahead of print]
57. Petridis AK, Thissen J, Brassel F, Meila D, Scholz M (2015). Perspectives in Meningioma Treatment. *J Neurol Disord* 3:223.
58. Brassel F, Melber K, Schlunz-Hendann M, Meila D (2015). Kissing-Y stenting for endovascular treatment of complex wide-necked bifurcation aneurysms using Acandis Acclino stents: results and literature review. *J Neurointerv Surg* 2015 May 18. doi: 10.1136/neurintsurg-2015-011691. [Epub ahead of print]
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61. Meila D, Grieb D, Melber K, Jacobs C, Maslehaty H, Petridis A, El Habony R, Lanfermann H, Scholz M, Brassel F (2016). Hydrocephalus in vein of Galen malformation: etiologies and therapeutic management implications. *Acta Neurochir (Wien)*. 158(7):1279-84. doi: 10.1007/s00701-016-2836-y. Epub 2016 May 13.
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63. Meila D, Melber K, Grieb D, Jacobs C, Lanfermann H, Brassel F (2017). Fistulous-type vein of Galen malformation phantom model for endovascular training and research. *J Neurointerv Surg*. 9(9):880-886. doi: 10.1136/neurintsurg-2016-012568. Epub 2016 Aug 10.
64. Brassel F, Grieb D, Meila D, Schlunz-Hendann M, Greling B, Melber K (2017). Endovascular treatment of complex intracranial aneurysms using Acandis Acclino stents. *J Neurointerv Surg*. 9(9):854-859. doi: 10.1136/neurintsurg-2016-012571. Epub 2016 Aug 24.
65. Meila D, Grieb D, Greling B, Melber K, Jacobs C, Hechtner M, Schmitz T, Schlunz-Hendann M, Lanfermann H, Brassel F (2017). Endovascular treatment of head and neck arteriovenous malformations: long-term angiographic and quality of life results. *J Neurointerv Surg*. 9(9):860-866. doi: 10.1136/neurintsurg-2016-012570. Epub 2016 Aug 26.
66. Melber K, Meila D, Draheim P, Grieb D, Greling B, Schlunz-Hendann M, Brassel F (2017). Vascular angular remodeling by kissing-Y stenting in wide necked intracranial bifurcation aneurysms. *J Neurointerv Surg*. 9(12):1233-1237. doi: 10.1136/neurintsurg-2016-012858. Epub 2016 Dec 5.
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68. Meila D, Schmidt C, Melber K, Grieb D, Jacobs C, Jacobs C, Lanfermann H, Brassel F (2017). Delayed and incomplete treatment may result in dural fistula development in children with Vein of Galen malformation. *Interv Neuroradiol*. 24(1):82-87. doi: 10.1177/1591019917741755. Epub 2017 Nov 10.
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72. Grieb D, Schlunz-Hendann M, Brinjikji W, Melber K, Greling B, Lanfermann H, Brassel F, Meila D (2019). Mechanical thrombectomy of M2 occlusions with distal access catheters using ADAPT. *J Neuroradiol*. pii: S0150-9861(18)30319-5. doi: 10.1016/j.neurad.2019.01.096. [Epub ahead of print]