



Curriculum Vitae

Personal information **Alexander Oberhuber**

Work experience

6/04/2018 – CURRENT – Münster, Germany

Full Professor and Head of Department of Vascular and Endovascular Surgery

University Hospital of Münster

Head of Department

Strategy making

Head of R&D

01/01/2014 – 31/12/2016 – Düsseldorf, Germany

Senior Consultant of Vascular Surgery

University Hospital of Düsseldorf

Substitute of the Head of Department in clinical and research affairs

Head of the clinical trial unit

Head of the endovascular program

PI of different trials of medical devices

01/02/2012 – 31/12/2013 – Düsseldorf, Germany

Consultant of Vascular Surgery

University Hospital of Düsseldorf

Head of the clinical trial unit

Head of the endovascular program

PI of different trials of medical devices

01/09/2010 – 31/01/2012 – Ulm, Germany

Consultant of Vascular Surgery

University Hospital of Ulm

part of the experimental research group

Part of the Expert panel of medical devices (EXPAMED)

1. 2020 MPG §23b trial; CONFORM-TAA - A post-market clinical follow-up study in patients with a descending thoracic aortic aneurysm or Penetrating Aortic Ulcer (PAU) treated with the E-nyaThoracic Stent Graft System.. ethic committee Münster Nr. 2020-178-f-s. local PI.

2. 2020 MPG §23b trial; CONFORM-TAAD - A post-market clinical follow-up study in patients complicated acute, subacute or chronic type B aortic Dissections E-nya Thoracic Stent Graft System. ethic committee Münster Nr.2020-178-f-s. local PI.

3. 2020 MPG §23b trial; CONNECT - Registry in Patients with ThoraCOabdomiNal ANeurysms TrEated with Multi-branCh Stent Grafts Tailored to Their Individual Anatomies. Ethic committee Münster Nr.2018-044-b-s. local PI.

4. 2020 MPG §23b trial; Inner-B - A post-market clinical followup study in

patients with thoraco-abdominal aortic aneurysms treated with E-nside TAAA Multibranch Stent Graft System. ethic committee Münster Nr.2020-386-b-S. Local PI.

5. 2018 NON-AMOG-Non-MPG Paraplegia Prevention in Aortic Aneurysm Repair by Thoracoabdominal Staging with ‘Minimally Invasive Staged Segmental Artery Coil Embolization’: A Randomized Controlled Multicentre Trial. ethic committee Münster Nr.2018-605-b-S. local PI.

6. 2018 AMG Phase 3 trial; XATOA – Xarelto + Acetylsalicylic Acid: Treatment patterns and Outcomes in patients with Atherosclerosis. A non-interventional study. IMPACT No. 20280 local PI.

7. 2018 MPG §23b trial; PLIANT II ethic committee Münster Nr. 2018-487-b-s. local PI.

8. 2018 MPG §20-23a trial; ACCESS trial. DIMDI Formular NR 000190919. Eudamed-Nr CIV-17-06-019904, ethic committee Düsseldorf MPG-LKP-50. Investigator.

9. 2017 MPG §20-23a trial; A prospective open-label nonrandomized clinical study to evaluate the safety and performance of the single branch Nexus™ Aortic arch stent graft system. Eudamed-Nr CIV-14-04-011969. Investigator.

10. 2017 MPG §23b trial; CONNECT - Registry. ethic committee University Düsseldorf Nr. 5942. Investigator.

11. 2016 MPG §23b trial; PLIANT. ethic committee University Düsseldorf Nr. 5259 . Investigator.

12. 2016 MPG §23b trial; TAILOR ethic committee University Düsseldorf Nr. 5619 . Investigator.

13. 2015 AMG Phase 3 trial; VOYAGER PAD. IMPACT No. 17454 /EUDRACT No.: 2014-005569-58. subinvestigator.

14. 2014 MPG §20-23a trial; ELEVATE International: CIP Number: ALTURA-ELE-1, Eudamed-Nr CIV-13-11-011729, ethic committee Leipzig 00008814; ethic committee University Düsseldorf AZ MPG-26. Principal investigator.

15. 2014 MPG §23b trial; Nellix Post-Market Study: EVAS II. Ethic committee University Düsseldorf Nr 4660. Investigator.

16. 2013 CRITISCH Registry (Multicenter German registry) Ethikkommission Uni Düsseldorf Nr 4337; Investigator;

17. 2007 MPG trial; Application of ArterX™ vascular sealant; Ethic committee University Ulm Nr. 126/07; Start 2007; End

18. 2007; Subinvestigator

19. 2008 – 2010 MPG trial; MRT Follow up after endovascular therapy of acute traumatic injuries; Project Manager and Subinvestigator

Education and training

01/02/2007 – 31/08/2010

Residency (Vascular Surgery)

University Hospital of Ulm

15/02/2004 – 31/01/2007

Residency (Vascular Surgery)

Thüringen Kliniken Georgius Agricola gGmbH

24/10/2012

Endovascular Surgeon

German Society of Vascular and Endovascular Surgery

06/04/2017

Endovascular Specialist

German Society of Vascular and Endovascular Surgery

Additional information

Publications

Oberhuber, A., Raddatz, A., Betge, S. et al. Interdisciplinary German clinical practice guidelines on the management of type B aortic dissection. *Gefäßchirurgie* 28 (Suppl 1), 1–28 (2023). <https://doi.org/10.1007/s00772-023-00995-5>

Oberhuber, A., Hakimi, M. & Dorweiler, B. Zehn Jahre MAGiC-Program – Was ist daraus geworden? *Gefäßchirurgie* (2022). <https://doi.org/10.1007/s00772-022-00949-3>

Dorweiler, B., Wegner, M., Salem, O. Murtaja, A., Schäfers JF, Oberhuber A. Innovation, disruptive Technologien und Transformation in der Gefäßchirurgie. *Gefäßchirurgie* (2022). <https://doi.org/10.1007/s00772-022-00943-9>

Ibrahim, A., Murtaja, A, Oberhuber A. "Indocyanine Green to Visualize and Resect Pulmonary Sequestration in Adults." *Indian Journal of Surgery*. 2022

Marchiori E, Ibrahim A, Schäfers JF, Oberhuber A. Embolization for Type Ia Endoleak after EVAR for Abdominal Aortic Aneurysms: A Systematic Review of the Literature. *Biomedicines*. 2022 Jun 18;10(6):1442. doi: 10.3390/biomedicines10061442. PMID: 35740463; PMCID: PMC9220150.

Ibrahim A., Yordanov M., Hasso M, Heine B., Oberhuber A. "Open Treatment of Abdominal Aortic Aneurysm in the Endovascular Era" *Journal of Clinical Medicine* 11, no. 11: 3050. 2022 <https://doi.org/10.3390/jcm11113050>

Friesen L, Ascitutto G, Schaefers JF, Oberhuber A. Bilateral Implantation of Double-Branched Iliac Branch Devices for Endovascular Repair of Aorto-Bi-Iliac Aneurysm With Concomitant Hypogastric Aneurysms: The Quadruple Branch. *J Endovasc Ther*. 2022 May 3:15266028221092978. doi: 10.1177/15266028221092978. Epub ahead of print. PMID: 35502742.

Ascitutto G, Usai MV, Ibrahim A, Oberhuber A. Early experience with the Bolton Relay Pro/Plus for physician-modified fenestrated TEVAR. *Int Angiol*. 2022 Jan 10. doi: 10.23736/S0392-9590.22.04745-9. Epub ahead of print. PMID: 35005873.

Schäfers JF, Murtaja A, Oberhuber A. Retrograde Approach for Antegrade Inner Branches in a Precannulated Off-the-Shelf Multibranch Device. *J Endovasc Ther*. 2021 Nov 26:15266028211059452. doi: 10.1177/15266028211059452. Epub ahead of print. PMID: 34836476.

M. U. Wagenhäuser, N. Floros, E. Nikitina, J. Mulorz, K. M. Balzer, S. Goulas, M. Petrich, P. Dueppers, F. Simon, H. Schelzig, A. Oberhuber. Use of the AFX Stent Graft in

Patients with Extremely Narrow Aortic Bifurcation: A Multicenter Retrospective Study. International Journal of Vascular Medicine, vol. 2021, Article ID 7439173, 9 pages, **2021**. <https://doi.org/10.1155/2021/7439173>

Teßarek J, Oberhuber A. Innovationen in der endovaskulären Therapie der peripheren arteriellen Verschlusskrankheit (pAVK). Gefässchirurgie. **2021** Aug 13:1-12. German. doi: 10.1007/s00772-021-00802-z. Epub ahead of print. PMID: 34404965; PMCID: PMC8361829.

Oberhuber, A. Rehabilitation nach vaskulären Eingriffen. Gefässchirurgie 26, 5, **2021**. <https://doi.org/10.1007/s00772-020-00730-4>

Eierhoff, T., Karamperidis, L. & Oberhuber, A. Vaskuläre Lipidbiologie –eine Übersicht. Gefässchirurgie 25, 249–255 (**2020**). <https://doi.org/10.1007/s00772-020-00645-0>

Knapsis A, Savlovskis J., Krievins D., Schelzig H., Oberhuber A. Morphological Changes of Aorta Stent-graft and Clinical Results After Endovascular Aneurysm Repair. JACC April **2019** 73 (15) Supplement.

Oberhuber, A., Hupp, T., Richter, G.M. et al. Kurzfassung der S2k-Leitlinie Erkrankungen der Nierenarterie Gefässchirurgie **2019**. <https://doi.org/10.1007/s00772-019-0520-2>

P. Düppers, M. Duran, N.Floros, H. Schelzig, M.U. Wagenhäuser, A. Oberhuber. The (JOTEC®) iliAc BRAnch device for exclusion of Hypogastric Artery aneurysMs - ABRAHAM study -. J Vasc Surg. **2019** Mar 5. pii: S0741-5214(19)30063-1. doi: 10.1016/j.jvs.2018.10.124.

W.Garabet, N.Floros, P.Düppers, N.Ertas, H.Schelzig, A.Oberhuber. Gluteale Ischämie als Folge eines akuten Verschlusses der A.profunda femoris. Gefässchirurgie, **2019**, 24 (1), pp 65–67

A. Oberhuber, H. Schelzig. Die Behandlung thorakoabdomineller Aneurysmen mit maßgeschneiderten Stentgrafts. Zeitschrift für Gefäßmedizin **2018**;15 (3), 36-37

N. Floros, M. Papadakis, M. Wagenhäuser, M. Duran, F. Simon, H. Schelzig, A. Oberhuber. Outcomes after Open Surgery for Inflammatory Abdominal Aortic Aneurysm: A 10-Year Single-Center Experience. Ann Vasc Surg. **2017** Aug;43:144-150.

A. Oberhuber, N. Ertas, M. Duran, N. Floros, F. Simon, H. Schelzig. Rupturiertes Bauchortenaneurysma - Endovaskuläre versus offene Behandlung. Gefäßchirurgie, **2017** 22(4), 297-307

A. Oberhuber, M. Duran, H. Schelzig. Bei welchen Patienten sollte die Open-first-Strategie angewendet werden? Vasomed **2016** (06); 2-3.

Knapsis A, Schelzig H and Oberhuber A. Visualization of an Aortic Coarctation, Induced by a Thoracic Stent Graft, Using 4D Magnetic Resonance Imaging. Annals of Clinical and Laboratory Research **2016** 4, 4: 126

Floros N, Schelzig H and Oberhuber A. Collapsed Thoracic Stent Graft After Traumatic Aortic Rupture. Annals of Clinical and Laboratory Research **2016** 4, 4: 127

Wagenhäuser M.U., Mulorz J., Ibing, W., Simon F., Sping J., Schelzig H., Oberhuber A. Oxidized (non)-regenerated cellulose affects fundamental cellular processes of wound healing. Scientific Reports – **2016** Aug 25;6:32238. doi: 10.1038/srep32238.

Simon F, Schelzig H, Oberhuber A. Kidney ischemia and reperfusion injury – field of glory or Waterloo for erythropoietin? Nephrol Open J. **2016**; 1(3): e9-e12. doi: 10.17140/NPOJ-1-e004

Simon F, Oberhuber A. Ischemia and reperfusion injury of the spinal cord – experimental strategies to examine postischemic paraplegia. Neural Regeneration Research. **2016** 11(3):414-415.

Simon FH, Erhart P, Vcelar B, Scheuerle A, Schelzig H, Oberhuber A. Erythropoietin preconditioning improves clinical and histologic outcome in an acute spinal cord ischemia and reperfusion rabbit model. J Vasc Surg. **2016**; 64 (6) 1797-1804

Wagenhäuser M.U., Duran M., Dueppers P., Witte M., Schelzig H., Oberhuber A.: Preliminary results of transcutaneous oxygen pressure measurement as effective monitoring for conservative therapy in peripheral occlusive disease. Ital J Vasc Endovasc **2015**, December 22(4):163-70

P. Düppers, H. Schelzig, M.U. Wagenhäuser, A. Oberhuber. Crossover Thrombectomy of Hypogastric Arteries. Ann Vasc Surg. **2015** Nov;29(8):1689-92. doi: 10.1016/j.avsg.2015.05.028. Epub 2015 Aug 5.

Oberhuber A, Duran M, Ertaş N, Simon F, [Schelzig H](#). Implantation of an Iliac

Branch Device After EVAR via a Femoral Approach Using a Steerable Sheath. *J Endovasc Ther.* **2015** Aug;22(4):610-2. doi: 10.1177/1526602815590972. Epub 2015 Jun 9.

A. Oberhuber, D. Schabhasian, R. Kohlschmitt, W. Rottbauer, KH Orend, V. Rasche. The bird beak configuration has no adverse effect in a MR functional analysis of thoracic stentgrafts after traumatic aortic transection. *Journal of Vasc Surg* **2015** Feb;61(2):365-73.

P. Düppers, S. Jankowiak, H. Schelzig, M.U. Wagenhäuser, A. Oberhuber. Spontaneous Rupture of an Isolated Iliac Artery Dissection in a Young Man due to Cystic Medial Degeneration Erdheim-Gsell *Ann Vasc Surg.* **2015** Jan 14. pii: S0890-5096(15)00028-X. doi: 10.1016/j.avsg.2014.10.041. [Epub ahead of print]

A. Oberhuber, B. Lohr, KH Orend, H. Schelzig, BM Muehling. Outcome of infrainguinal prosthetic graft infections depending on the surgical management. *Surg Infect* **2014** Oct;15(5):606-12. doi: 10.1089/sur.2013.099.

Wagenhäuser MU, Sagban TA, Witte M, Duran M, Schelzig H, Oberhuber A. Isolated dissection of the superior mesenteric artery treated using open emergency surgery. *World J Emerg Surg.* **2014** Aug 14;9:47. doi: 10.1186/1749-7922-9-47. eCollection 2014. Review.

A. Oberhuber, C. Müller, H. Schelzig, K.H. Orend. Langzeitverlauf nach endovaskulärer Versorgung einer aortoenterischen Fistel. *Gefäßchirurgie* **2014** 18:1-3

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M.U. Wagenhäuser, N. Ertas, T.A. Sagban, M. Witte, T. Hoffmann, H. Schelzig, A.

Oberhuber. A 61 year old man with disseminated intravascular coagulation: a case

report. *Ann Vasc Surg.* **2014** Feb 12. pii: S0890-5096(14)00095-8. doi:

10.1016/j.avsg.2014.01.024.

A. Oberhuber, B. Benecke, K.-H. Orend, S. Hutschenreiter, B.M. Mühling. The diabetic patient has a higher benefit from infrapopliteal revascularization than the non-diabetic patient. *Diabetes Vasc Dis Res.* **2013** Jan;10(1):78-83.

A. Oberhuber. From Bridging to Solution-Endovascular Treatment of Traumatic Aortic Rupture. *Emergency Med* 2:e122. doi:10.4172/2165-7548.1000e122 **2012** *Editorial*

A. Oberhuber, B.M. Mühling, K.-H Orend, H. Schelzig. Endovascular repair of aortic isthmus coarctation with a self-expanding covered stent. *Ann Vasc Surg* **2012** 2012 May;26(4):573.e5-7

A. Oberhuber, M. Bücken, M. Hoffmann, K.-H Orend, B.M. Mühling. Comparison of aortic neck dilatation after open and endovascular repair of abdominal aortic aneurysm. *J Vasc Surg* **2012** Apr 55 (4): 929-934

A. Oberhuber, P. Winkle, K.-H Orend, H. Schelzig, B.M. Mühling. Technical and clinical success after endovascular therapy for chronic type B aortic dissections. *J Vasc Surg* **2011** Nov;54(5):1303-9.

A. Oberhuber, M. Thiere, F. Simon, M. Kramer, T. Einsiedel, K.-H Orend, L. Sunder-Plassmann, H. Schelzig. Die endovaskuläre Versorgung der traumatischen thorakalen Aortenruptur. *Der Unfallchirurg* **2011** Aug;114(8):724-9

A. Oberhuber, A. Schwarz, MH. Hoffmann, O. Klass, KH Orend, B. Mühling. Influence of different stentgraft types on remodelling of the aortic neck after endovascular aneurysm repair. *J Endovasc Ther* **2010** Dec; 17:677-684

M. Thiere, F. Simon, P. Erhart, K.-H Orend, H. Schelzig, A. Oberhuber. Präklinisches Modell zur Erforschung von Ischämie- und Reperfusionsschäden des Rückenmarks nach Crossclamping der Aorta. *Gefäßchirurgie* **2010** 15:463-467

A. Oberhuber, A. Schwarz, MH. Hoffmann, O. Klass, H. Schelzig, KH Orend, B. Mühling. Einfluss des Verankerungsmechanismus auf Veränderungen des supra – und infrarenales Aortensegment nach endovaskulärer Ausschaltung infrarenaler Bauchortenaneurysmen. *ZBL Chir* **2010** Oct; 135: 433–437

A. Oberhuber, L. Erhard, KH Orend, L. Sunder-Plassmann. Ten years of endovascular treatment of traumatic aortic transection - a single centre experience. *Thorac Cardiovasc Surg* **2010** Apr; 58(3):143-147

Guo J, Terhorst I, Stammer P, Ibrahim A, Oberhuber A, Eierhoff T. The short-chain fatty acid butyrate exerts a specific effect on VE-cadherin phosphorylation and alters the integrity of aortic endothelial cells. *Front Cell Dev Biol.* **2023** Feb 8;11:1076250. doi: 10.3389/fcell.2023.1076250. PMID: 36846596; PMCID: PMC9944439.

Vacirca A, Faggioli G, Vaccarino R, Dias N, Austermann M, Usai MV, Oberhuber A,

Schäfers JF, Bisdas T, Patelis N, Palermo S, Gargiulo M. The optimal operative protocol to accomplish CO₂-EVAR resulting from a prospective interventional multicenter study. *J Vasc Surg.* 2023 May;77(5):1405-1412.e1. doi: 10.1016/j.jvs.2023.01.013. Epub 2023 Jan 13. PMID: 36646335.

Cuellar FL, Oberhuber A, Martens S, Rukosujew A, Marchiori E, Ibrahim A. Analysis of Spinal Ischemia after Frozen Elephant Trunk for Acute Aortic Dissection: An Observational, Single-Center Study. *Diagnostics (Basel).* 2022 Nov 14;12(11):2781. doi: 10.3390/diagnostics12112781. PMID: 36428841.

Gouëffic Y, Torsello G, Zeller T, Esposito G, Vermassen F, Hausegger KA, Tepe G, Thieme M, Gschwandtner M, Kahlberg A, Schindewolf M, Sapoval M, Diaz-Cartelle J, Stavroulakis K; EMINENT Investigators. Efficacy of a Drug-Eluting Stent Versus Bare Metal Stents for Symptomatic Femoropopliteal Peripheral Artery Disease: Primary Results of the EMINENT Randomized Trial. *Circulation.* 2022 Nov 22;146(21):1564-1576. doi: 10.1161/CIRCULATIONAHA.122.059606. Epub 2022 Oct 18. PMID: 36254728.

Blum LV, Schmitt E, Choorapoikayil S, Baumhove O, Bayer A, Friederich P, Friedrich J, Geisen C, Gruenewald M, Gutjahr M, Herrmann E, Müller M, Narita D, Raadts A, Schwendner K, Seifried E, Stark P, Thoma J, Weigt H, Wiesenack C, Steinbicker AU, Zacharowski K, Meybohm P; German PBM Network Collaborators. Association of anaemia, co-morbidities and red blood cell transfusion according to age groups: multicentre sub-analysis of the German Patient Blood Management Network Registry. *BJS Open.* 2022 Nov 2;6(6):zrac128. doi: 10.1093/bjsopen/zrac128. PMID: 36326235; PMCID: PMC9631974.

Calo, P., Oberhuber, A. & Görtz, H. Kriterien für ein komplikationsarmes Stenting der A. carotis interna. *Gefäßchirurgie* 27, 509–516 (2022). <https://doi.org/10.1007/s00772-022-00940-y>

Marchiori E, Oberhuber A, Martens S, Rukosujew A, Ibrahim A. Impact of Frozen and Conventional Elephant Trunk on Aortic New-Onset Thrombus and Inflammatory Response. *Diagnostics (Basel).* 2022 Oct 17;12(10):2511. doi: 10.3390/diagnostics12102511. PMID: 36292200; PMCID: PMC9600078.

Ibrahim A, Motekallemi A, Yahia A, Oberhuber A, Eierhoff T, Martens S, Marchiori E, Rukosujew A. Volume Changes in the Descending Aorta after Frozen Elephant Trunk and Conventional Hemi-Arch Repair after Acute Type A Aortic Dissection. *Diagnostics (Basel).* 2022 Oct 18;12(10):2524. doi: 10.3390/diagnostics12102524. PMID: 36292213; PMCID: PMC9600756.

Gwilym BL, Pallmann P, Waldron CA, Thomas-Jones E, Milosevic S, Brookes-Howell L, Harris D, Massey I, Burton J, Stewart P, Samuel K, Jones S, Cox D, Clothier A, Edwards A, Twine CP, Bosanquet DC; Vascular and Endovascular Research Network (VERN) and PERCEIVE study group. Short-term risk prediction after major lower limb amputation: PERCEIVE study. *Br J Surg.* **2022** Sep 6:znac309. doi: 10.1093/bjs/znac309. Epub ahead of print. PMID: 36065602.

Koepke LG, Schwedhelm E, Ibing W, Oberhuber A, Daum G, Vcelar B, Schelzig H, Simon F. Spinal Stroke: Outcome Attenuation by Erythropoietin and Carbamylated Erythropoietin and Its Prediction by Sphingosine-1-Phosphate Serum Levels in Mice. *Int J Mol Sci.* **2022** Aug 23;23(17):9558. doi: 10.3390/ijms23179558. PMID: 36076955.

Yordanov MD, Oberhuber A, Ibrahim A. Physician-Modified TEVAR versus Hybrid Repair of the Proximal Descending Thoracic Aorta. *J Clin Med.* **2022** Jun 16;11(12):3455. doi: 10.3390/jcm11123455. PMID: 35743525; PMCID: PMC9225072.

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Ibrahim A, Marchiori E, Eierhoff T, Martens S, Motekallemi A, Rukosujew A, Oberhuber A, Ascitto G. Post-implantation syndrome after frozen elephant trunk is associated with the volume of new-onset aortic thrombus. *J Thorac Dis.* **2021** Jul;13(7):4311-4321. doi: 10.21037/jtd-21-398. PMID: 34422358; PMCID: PMC8339746.

Peters AS, Meisenbacher K, Weber D, Bisdas T, Torsello G, Böckler D, Bischoff MS; CRITISCH collaborators. Isolated femoral artery revascularisation with or without iliac inflow improvement - a less invasive surgical option in critical limb ischemia. *Vasa.* **2021** Apr;50(3):217-223. doi: 10.1024/0301-1526/a000934. Epub 2021 Jan 13. PMID: 33435742.

Floros N, Kölbel T, Tsilimparis N, Oberhuber A, Kindl D, Kalder J, Kotelis D, Schmidt A, Branzan D, Adolf D, Schelzig H, Wagenhäuser MU. First-in-Human Clinical Application of the Medyria TrackCath System in Endovascular Repair of Complex Aortic Aneurysms (ACCESS Trial): A Prospective Multicenter Single-Arm Clinical Trial. *J Endovasc Ther.* **2021** Jul 21:15266028211030536. doi: 10.1177/15266028211030536. Epub ahead of print. PMID: 34289739.

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Ibrahim, A., Marchiori, E., Oberhuber, A., Usai, M.V. Fatal Case of a Contained Ruptured of the Infrarenal Aorta due to Simultaneous Primary Aortocaval Fistula and Aortoenteric Fistula. (2021) *Indian Journal of Surgery*, DOI: 10.1007/s12262-021-03071-y

Usai MV, Ibrahim A, Oberhuber A, Dell'Aquila AM, Martens S, Motekallemi A,

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