

## Wissenschaftliche Publikationen 2022 Transplantationszentrum

### Dermatologie:

1. Ferrándiz-Pulido C, Leiter U, Harwood C, Proby CM, Guthoff M, Scheel CH, Westhoff TH, Bouwes Bavinck JN, Meyer T, Nägeli MC, Del Marmol V, Lebbé C, Geusau A.

#### **Immune Checkpoint Inhibitors in Solid Organ Transplant Recipients With Advanced Skin Cancers- Emerging Strategies for Clinical Management.**

Transplantation. 2023 Jan 5. DOI: 10.1097/TP.0000000000004459. Online ahead of print. PMID: 36706163.

### Herz:

2. Radhoe SP, Jakus N, Veenis JF, Timmermans P, Pouleur AC, Rubís P, Van Craenenbroeck EM, Gaizauskas E, Barge-Caballero E, Paolillo S, Grundmann S, D'Amario D, Braun OÖ, Gkouziouta A, Planinc I, Macek JL, Meyns B, Droogne W, Wierzbicki K, Holcman K, Flammer AJ, Gasparovic H, Biocina B, Milicic D, Lund LH, Ruschitzka F, Brugts JJ, Cikes M.

#### **Sex-related differences in left ventricular assist device utilization and outcomes: results from the PCHF-VAD registry.**

ESC Heart Fail. 2022 Dec 22. DOI: 10.1002/ehf2.14261. Online ahead of print. PMID: 36547014

3. Radhoe SP, Veenis JF, Jakus N, Timmermans P, Pouleur AC, Rubís P, Van Craenenbroeck EM, Gaizauskas E, Barge-Caballero E, Paolillo S, Grundmann S, D'Amario D, Braun OÖ, Gkouziouta A, Planinc I, Samardzic J, Meyns B, Droogne W, Wierzbicki K, Holcman K, Flammer AJ, Gasparovic H, Biocina B, Lund LH, Milicic D, Ruschitzka F, Cikes M, Brugts JJ.

#### **How does age affect outcomes after left ventricular assist device implantation: results from the PCHF-VAD registry.**

ESC Heart Fail. 2022 Dec 2. DOI: 10.1002/ehf2.14247. Online ahead of print. PMID: 36460627.

4. Nägele MP, Flammer AJ.

#### **Heart Failure After Right Ventricular Myocardial Infarction.**

Curr Heart Fail Rep. 2022 Dec;19(6):375-385. DOI: 10.1007/s11897-022-00577-8. Epub 2022 Oct 5. PMID: 36197627 Free PMC article. Review.

5. Gasparovic H, Jakus N, Brugts JJ, Pouleur AC, Timmermans P, Rubís P, Gaizauskas E, Van Craenenbroeck EM, Barge-Caballero E, Grundmann S, Paolillo S, D'Amario D, Braun OÖ, Meyns B, Droogne W, Wierzbicki K, Holcman K, Planinc I, Lovric D, Flammer AJ, Petricevic M, Biocina B, Lund LH, Milicic D, Ruschitzka F, Cikes M.

#### **Impact of progressive aortic regurgitation on outcomes after left ventricular assist device implantation.**

Heart Vessels. 2022 Dec;37(12):1985-1994. DOI: 10.1007/s00380-022-02111-1. Epub 2022 Jun 23. PMID: 35737119

6. Jakus N, Brugts JJ, Claggett B, Timmermans P, Pouleur AC, Rubís P, Van Craenenbroeck EM, Gaizauskas E, Barge-Caballero E, Paolillo S, Grundmann S, D'Amario D, Braun OÖ, Gkouziouta A, Meyns B, Droogne W, Wierzbicki K, Holcman K, Planinc I, Skoric B, Flammer AJ, Gasparovic H, Biocina B, Lund LH, Milicic D, Ruschitzka F, Cikes M; PCHF-VAD registry.

#### **Improved survival of left ventricular assist device carriers in Europe according to implantation eras: results from the PCHF-VAD registry.**

Eur J Heart Fail. 2022 Jul;24(7):1305-1315. DOI: 10.1002/ejhf.2526. Epub 2022 May 24. PMID: 35508920.

7. Auschra B, Wilhelm MJ, Husung C, Jenewein J, Flammer AJ, Jellestad L.

#### **The use of serotonin reuptake inhibitors increases the risk of bleeding in patients with assist devices.**

BMC Cardiovasc Disord. 2022 Mar 22;22(1):121. DOI: 10.1186/s12872-022-02557-1. PMID: 35317724 Free PMC article.

8. Schmiady MO, Graf T, Ouda A, Aser R, Flammer AJ, Vogt PR, Wilhelm MJ.

**An innovative cold storage system for donor heart transportation-lessons learned from the first experience in Switzerland.**

J Thorac Dis. 2021 Dec;13(12):6790-6799. DOI: 10.21037/jtd-21-1175.

PMID: 35070363 Free PMC article.

9. Amstad T, Taeymans J, Englberger L, Mohacsi P, Steiner D, Wilhelm MJ, Hermann M.

**Cardiac Rehabilitation in Patients With Ventricular Assist Device.**

J Cardiopulm Rehabil Prev 2022;42(2):97-102.

10. Wilhelm MJ, Inderbitzin DT, Malorgio A, Aser R, Gülmez G, Aigner T, Vogt PR, Reser D.

**Acute limb ischemia after femoro-femoral extracorporeal life support implantation: A comparison of surgical, percutaneous, or combined vascular access in 402 patients.**

Artif Organs 2022;46:2284-2292.

11. Sahli SD, Kaserer A, Braun J, Halbe M, Dahlem Y, Spahn MA, Rössler J, Krüger B, Maisano F, Spahn DR, Wilhelm MJ.

**Predictors associated with mortality of extracorporeal life support therapy for acute heart failure: single-center experience with 679 patients.**

J Thorac Dis 2022;14:1960-1971.

**Immunologie (HLA-Labor):**

12. Bankova AK, Pasin C, Huang A, Cicin-Sain C, Epp S, Audige A, Mueller NJ, Nilsson J, Viliinovszki O, Nair G, Wolfensberger N.

**Antibody response to a third SARS-CoV-2 vaccine dose in recipients of an allogeneic haematopoietic cell transplantation.**

British Journal of Haematology. 2022 Nov 16.

13. Reimann AV, Nilsson J, Wuethrich RP, Mueller TF, Schachtner T.

**Entering the Third Decade After Kidney Transplantation: Excellent Graft Function Refers to Superior Graft but Not Patient Survival.**

Transplant International. 2022 Oct 31;35:10675.

14. Ehram J, Rössler F, Horisberger K, Hübel K, Nilsson J, de Rougemont O.

**Kidney Retransplantation after Graft Failure: Variables Influencing Long-Term Survival.**

Journal of Transplantation. 2022 Jun 22;2022.

15. Frischknecht L, Deng Y, Wehmeier C, de Rougemont O, Villard J, Ferrari-Lacraz S, Golshayan D, Gannagé M, Binet I, Wirthmueller U, Sidler D, Schachtner T, Schaub S, Nilsson J.

**The impact of pre-transplant donor specific antibodies on the outcome of kidney transplantation—Data from the Swiss transplant cohort study.**

Frontiers in immunology. 2022:5568.

16. Spitznagel T, Matter LS, Kaufmann YL, Nilsson J, von Moos S, Schachtner.

**T. PIRCHE-II scores prove useful as a predictive biomarker among kidney transplant recipients with rejection: An analysis of indication and follow-up biopsies.**

Frontiers in Immunology. 2022;13.

17. Lezoeva E, Nilsson J, Wüthrich R, Mueller TF, Schachtner T.

**High PIRCHE Scores May Allow Risk Stratification of Borderline Rejection in Kidney Transplant Recipients.**

Frontiers in immunology. 2022:587.

18. Fehr T, Hübel K, de Rougemont O, Abela I, Gaspert A, Güngör T, Hauri M, Helmchen B, Linsenmeier C, Müller T, Nilsson J, Riesterer O, Schandling JD, Schanz U, Cippa PE.

**Successful Induction of Specific Immunological Tolerance by Combined Kidney and Hematopoietic Stem Cell Transplantation in HLA-Identical Siblings.**

Frontiers in immunology. 2022;13.

**Infektiologie:**

19. Dos Santos Q, Wareham NE, Mocroft A, Rasmussen A, Gustafsson F, Perch M, Sørensen SS, Manuel O, Müller NJ, Lundgren J, Reekie J.  
**Development and Validation of a Risk Score for Post-Transplant Lymphoproliferative Disorders among Solid Organ Transplant Recipients.**  
Cancers (Basel). 2022 Jul 4;14(13):3279. DOI: 10.3390/cancers14133279.
20. Bankova AK, Pasin C, Huang A, Cicin-Sain C, Epp S, Audige A, Mueller NJ, Nilsson J, Viliinovszki O, Nair G, Wolfensberger N, Hockl P, Schanz U, Trkola A, Kouyos R, Hasse B, Zinkernagel AS, Manz MG, Abela IA, Müller AMS.  
**Antibody response to a third SARS-CoV-2 vaccine dose in recipients of an allogeneic haematopoietic cell transplantation.**  
Br J Haematol. 2022 Nov 16. DOI: 10.1111/bjh.18562.
21. Sava M, Bättig V, Gerull S, Passweg JR, Khanna N, Garzoni C, Gerber B, Mueller NJ, Schanz U, Berger C, Chalandon Y, van Delden C, Neofytos D, Stampf S, Franzeck FC, Weisser M.  
**Swiss Transplant Cohort Study. Bloodstream infections in allogeneic haematopoietic cell recipients from the Swiss Transplant Cohort Study: trends of causative pathogens and resistance rates.**  
Bone Marrow Transplant. 2022 DOI: 10.1038/s41409-022-01851-y.
22. Hirzel C, Projer L, Atkinson A, Surial B, Mueller NJ, Manuel O, Mombelli M, van Delden C, Hirsch HH, Boggian K, Walti LN, Sidler D, Hadaya K, Dickenmann M, Müller TF, Binet I, Golshayan D, Huynh-Do U  
**Swiss Transplant Cohort Study (STCS). Infection Risk in the First Year After ABO-incompatible Kidney Transplantation: A Nationwide Prospective Cohort Study.**  
Transplantation. 2022;106(9):1875-1883. DOI: 10.1097/TP.0000000000004109.
23. Van den Bogaart L, Lang BM, Rossi S, Neofytos D, Walti LN, Khanna N, Mueller NJ, Boggian K, Garzoni C, Mombelli M, Manuel O.  
**Swiss Transplant Cohort Study. Central nervous system infections in solid organ transplant recipients: Results from the Swiss Transplant Cohort Study.**  
J Infect. 2022;85(1):1-7. DOI: 10.1016/j.jinf.2022.05.019.
24. Schreiber PW, Laager M, Boggian K, Neofytos D, van Delden C, Egli A, Dickenmann M, Hirzel C, Manuel O, Koller M, Rossi S, Schmied B, Gürke L, Matter M, Berney T, de Rougemont O, Kuster SP, Stampf S, Mueller NJ.  
**Swiss Transplant Cohort Study. Surgical site infections after simultaneous pancreas kidney and pancreas transplantation in the Swiss Transplant Cohort Study.**  
J Hosp Infect. 2022;128:47-53. DOI: 10.1016/j.jhin.2022.07.009.
25. Chammartin F, Kusejko K, Pasin C, Trkola A, Briel M, Amico P, Stoekle MP, Eichenberger AL, Hasse B, Braun DL, Schuurmans MM, Müller TF, Tamm M, Mueller NJ, Rauch A, Koller MT, Günthard HF, Bucher HC, Speich B, Abela IA.  
**Swiss HIV Cohort Study. Determinants of antibody response to severe acute respiratory syndrome coronavirus 2 mRNA vaccines in people with HIV.**  
AIDS;36(10):1465-1468. DOI: 10.1097/QAD.0000000000003246.
26. Mejia-Chew C, Carver PL, Rutjanawech S, Camargo LFA, Fernandes R, Belga S, Daniels SA, Mueller NJ, Burkhard S, Theodoropoulos NM, Postma DF, van Duijn PJ, Fariñas MC, González-Rico C, Hand J, Lowe A, Bodro M, Vanino E, Cruz AF, Ramos A, Makek MJ, Mjahed RB, Manuel O, Kamar N, Calvo-Cano A, Carrasco LR, Muñoz P, Rodríguez S, Pérez-Recio S, Sabé N, Álvarez RR, Silva JT, Mularoni A, Vidal E, Alonso-Titos J, Del Rosal T, Classen AY, Goss CW, Agarwal M, López-Medrano F.  
**Risk factors for Nontuberculous Mycobacteria Infections in Solid Organ Transplant recipients: a multinational case-control study.**  
Clin Infect Dis. 2022;ciac608. DOI: 10.1093/cid/ciac608.
27. Pham TT, Andrey DO, Stampf S, Burkhard SH, Hirzel C, Tschopp J, Ullrich K, Strahm C, Schreiber PW, Boillat-Blanco N, Garzoni C, Khanna N, Manuel O, Mueller NJ, Suva D, van Delden C, Uçkay I, Neofytos D.  
**Swiss Transplant Cohort Study. Epidemiology and outcomes of bone and joint infections in solid organ transplant recipients.**  
Am J Transplant. 2022 DOI: 10.1111/ajt.17184.
28. Andermatt R, Bloemberg GV, Ganter CC, Mueller NJ, Mueller AS, Muellhaupt B, Kielstein JT, David S.  
**Elimination of Herpes Simplex Virus-2 and Epstein-Barr Virus With Seraph 100 Microbind Affinity Blood Filter and Therapeutic Plasma Exchange: An Explorative Study in a Patient With Acute Liver Failure.**  
Critical Care Explorations, 2022;4:8 e0745.

29. Huang A, Cicin-Sain C, Pasin C, Epp S, Audigé A, Müller NJ, Nilsson J, Bankova A, Wolfensberger N, Viliñovszki O, Nair G, Hockl P, Schanz U, Kouyos RD, Hasse B, Zinkernagel AS, Trkola A, Manz MG, Abela IA, Müller AMS.

**Antibody Response to SARS-CoV-2 Vaccination in Patients following Allogeneic Hematopoietic Cell Transplantation.**

Transplant Cell Ther. 2022(4):214.e1-214.e11. DOI: 10.1016/j.jtct.2022.01.019. PMID: 35092892.

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**Swiss HIV Cohort Study and the Swiss Transplant Cohort Study. Antibody response in immunocompromised patients after the administration of SARS-CoV-2 vaccine BNT162b2 or mRNA-1273: A randomised controlled trial.**

CID 2022 DOI: 10.1093/cid/ciac169.

31. Van den Bogaart L, Lang BM, Neofytos D, Egli A, Walti LN, Boggian K, Garzoni C, Berger C, Pascual M, van Delden C, Mueller NJ, Manuel O, Mombelli M.

**Swiss Transplant Cohort Study. Epidemiology and outcomes of medically attended and microbiologically confirmed bacterial foodborne infections in solid organ transplant recipients.**

Am J Transplant. 2022 Jan;22(1):199-209. DOI: 10.1111/ajt.16831.

32. Walti LN, Mugglin C, Sidler D, Mombelli M, Manuel O, Hirsch HH, Khanna N, Mueller N, Berger C, Boggian K, Garzoni C, Neofytos D, van Delden C, Hirzel C.

**Swiss Transplant Cohort Study (STCS). Association of antiviral prophylaxis and rituximab use with post-transplant lymphoproliferative disorders (PTLDs): A nationwide cohort study.**

Am J Transplant. 2021 Jul;21(7):2532-2542. DOI: 10.1111/ajt.16423.

**33. A trial platform to assess approved SARS-CoV-2 vaccines in immunocompromised patients: first sub-protocol for a pilot trial comparing the mRNA vaccines Comirnaty® and COVID-19 mRNA Vaccine Moderna®.**

Speich B, Chammartin F, Smith D, Stoeckle MP, Amico P, Eichenberger AL, Hasse B, Schuurmans MM, Müller T, Tamm M, Dickenmann M, Abela IA, Trkola A, Hirsch HH, Manuel O, Cavassini M, Hemkens LG, Briel M, Mueller NJ, Rauch A, Günthard HF, Koller MT, Bucher HC, Kusejko K; study groups from the Swiss HIV Cohort Study and the Swiss Transplant Cohort Study.

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**Infektiologie: Ditorials Comments Letters**

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**Immunocompromised patients have been neglected in COVID-19 trials: a call for action.**

Trøseid M, Hentzien M, Ader F, Cardoso SW, Arribas JR, Molina JM, Mueller N, Hites M, Bonnet EU RESPONSE; COMBINE. Clin Microbiol Infect. 2022 Sep;28(9):1182-1183. DOI: 10.1016/j.cmi.2022.05.005.

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**Cytomegalovirus in the transplant setting: Where are we now and what happens next? A report from the International CMV Symposium 2021.**

Transpl Infect Dis. 2022 Dec;24(6):e13977. DOI: 10.1111/tid.13977.

36. Mueller NJ.

**Porcine cytomegalovirus: A very unwelcome stowaway.**

Xenotransplantation. 2022 May;29(3):e12769. DOI: 10.1111/xen.12769. Epub 2022 Jun 16.

37. Mueller NJ, Denner J.

**Porcine cytomegalovirus/porcine roseolovirus (PCMV/PRV): A threat for xenotransplantation?**

Xenotransplantation. 2022 DOI: 10.1111/xen.12775.

**Leber:**

38. Widmer J, Eden J, Carvalho MF, Dutkowski P, Schlegel A.

**Machine Perfusion for Extended Criteria Donor Livers: What Challenges Remain?**

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39. Parente A, Flores Carvalho M, Eden J, Dutkowski P, Schlegel A.

**Mitochondria and Cancer Recurrence after Liver Transplantation-What Is the Benefit of Machine Perfusion?**

Int J Mol Sci. 2022 Aug 28;23(17):9747. DOI: 10.3390/ijms23179747.

PMID: 36077144 Free PMC article. Review.

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**Procalcitonin in early allograft dysfunction after orthotopic liver transplantation: a retrospective single centre study.**

BMC Gastroenterol. 2022 Aug 31;22(1):404. DOI: 10.1186/s12876-022-02486-5.

PMID: 36045337 Free PMC article.

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**Controversy Over Liver Transplantation or Resection for Neuroendocrine Liver Metastasis: Tumor Biology Cuts the Deal.**

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PMID: 35975918 Free article.

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**Liver Transplantation as a New Standard of Care in Patients With Perihilar Cholangiocarcinoma? Results From an International Benchmark Study.**

Ann Surg. 2022 Nov 1;276(5):846-853. DOI: 10.1097/SLA.0000000000005641. Epub 2022 Jul 27. PMID:

35894433.

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**Novel Benchmark Values for Redo Liver Transplantation: Does the Outcome Justify the Effort?**

Ann Surg. 2022 Nov 1;276(5):860-867. DOI: 10.10.

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**Impact of Machine Perfusion on the Immune Response After Liver Transplantation - A Primary Treatment or Just a Delivery Tool.**

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PMID: 35874758 Free PMC article. Review.

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**Low-dose aspirin confers protection against acute cellular allograft rejection after primary liver transplantation.**

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**Transplantation of a human liver following 3 days of ex situ normothermic preservation.**

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**Protective mechanisms and current clinical evidence of hypothermic oxygenated machine perfusion (HOPE) in preventing post-transplant cholangiopathy.**

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**Liver perfusion strategies: what is best and do ischemia times still matter?**

Curr Opin Organ Transplant. 2022 Aug 1;27(4):285-299. DOI: 10.1097/MOT.0000000000000963. Epub 2022 Jan 31.

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**Prolonged preservation by hypothermic machine perfusion facilitates logistics in liver transplantation: A European observational cohort study.**

Am J Transplant. 2022 Jul;22(7):1842-1851. DOI: 10.1111/ajt.17037. Epub 2022 Apr 5.

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**The MELD upgrade exception: a successful strategy to optimize access to liver transplantation for patients with high waiting list mortality.**

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**Long-term outcomes of transplant kidneys donated after circulatory death.**

Nephrol Dial Transplant. 2022 May 25;37(6):1181-1187. DOI: 10.1093/ndt/gfab358.

PMID: 34919732.

**Lunge:**

***Pneumologie:***

***Originalien:***

53. Hage, R.; Schuurmans M.M.

**COVID-Related Chronic Allograft Dysfunction in Lung Transplant Recipients: Long-Term Follow-up Results from Infections Occurring in the Pre-vaccination Era.**

Transplantology 2022, 3, 275-282. <https://doi.org/10.3390/transplantology3040028>.

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**Influence of mycophenolate mofetil dosage and plasma levels on the occurrence of chronic lung allograft dysfunction in lung transplants: a retrospective cohort analysis.**

Swiss Med Wkly. 2022 Jul 31;152:w30206. DOI: 10.4414/smw.2022.w30206.

PMID: 35964254.



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**Swiss HIV Cohort Study and the Swiss Transplant Cohort Study. Antibody Response in Immunocompromised Patients After the Administration of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Vaccine BNT162b2 or mRNA-1273: A Randomized Controlled Trial.**

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**Recipient Comorbidities for Prediction of Primary Graft Dysfunction, Chronic Allograft Dysfunction and Survival After Lung Transplantation.**

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