

A) Originalarbeiten als Erst- und Letzt Autorschaften:

1. **S Korkmaz-Icöz**, S Abulizi, K Li, B Korkmaz, A-I Georgevici, A A Sayour, S Loganathan, H Canoglu, M Karck, G Szabó.
Preservation solution Custodiol containing human alpha-1-antitrypsin improves graft recovery after prolonged cold ischemic storage in a rat model of heart transplantation
Front Immunol. 2023; 14:1155343
Impact Factor₂₀₂₂: 7.3
2. Q Ding, S Loganathan, P Zhou, A Sayour, P Brlecic, T Radovits, R Domain, B Korkmaz, M Karck, G Szabó, **S Korkmaz-Icöz**.
Alpha-1-antitrypsin protects vascular grafts of brain-dead rats against ischemia/reperfusion injury
J Surg Res. 2023. March (283) 953-964.
Impact Factor₂₀₂₂: 2.2
3. **S Korkmaz-Icoz**, G Sistori, S Loganathan, AA Sayour, P Brlecic, T Radovits, M Brune, M Karck, G Szabo.
Bone Marrow Culture-Derived Conditioned Medium Recovers Endothelial Function of Vascular Grafts following In Vitro Ischemia/Reperfusion Injury in Diabetic Rats
Stem Cells Int. 2022. Oct 14;2022:7019088.
Impact Factor₂₀₂₂: 4.3
4. **S Korkmaz-Icöz**, M Schwär, S Loganathan, K Wächter, A-I Georgevici, P Kraft, T Mayer, A Simm, M Karck, G Szabó.
Bread crust extract protects rats' vascular grafts from in vitro ischemia/reperfusion injury
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Graft preservation solution DuraGraft® alleviates vascular dysfunction following *in vitro* ischemia/reperfusion injury in rats.
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Impact Factor₂₀₂₁: 5.2
6. L Saemann*, **S Korkmaz-Icöz***, F Hoorn G Veres, P Kraft, AI Georgevici, M Brune, Y Guo, S Loganathan, F Wenzel, M Karck, G Szabó.
Reconditioning of circulatory death hearts by ex-vivo machine perfusion with a novel HTK-N preservation solution.
J Heart Lung Transplant. 2021; Oct;40(10):1135-1144.
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7. **S Korkmaz-Icöz**, C Kocer, A Sayour, P Kraft, M Benker, S Abulizi, A Georgevici, P Brlecic, T Radovits, S Loganathan, M Karck, G Szabó.
The sodium-glucose cotransporter-2 inhibitor canagliflozin alleviates endothelial dysfunction following *in vitro* vascular ischemia/reperfusion injury in rats.
Int J Mol Sci. 2021; 21;22(15):7774.
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8. **S Korkmaz-Icöz**, M Benker, S Li, S Loganathan, P Kraft, T Mayer, S Schubach, P Brlecic, A Sayour, T Radovits, M Karck, G Szabó.
Vascular reactivity in old spontaneously hypertensive stroke-prone rats - effects of *in vitro* ischemia/reperfusion injury.
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9. **S Korkmaz-Icöz**, X Sun, S Li, P Brlecic, S Loganathan, M Ruppert, A Sayour, T Radovits, M Karck, G Szabó.
Conditioned medium from mesenchymal stem cells alleviates endothelial dysfunction of vascular grafts submitted to ischemia/reperfusion injury in 15-month-old rats.
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10. **S Korkmaz-Icöz**, D Akca, S Li, S Loganathan, P Brlecic, M Ruppert, AA Sayour, A Simm, M Brune, T Radovits, M Karck, G Szabó.
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11. **S Korkmaz-Icöz**, P Zhou, Y Guo, S Loganathan, P Brlecic, T Radovits, AA Sayour, M Ruppert, G Veres, M Karck, G Szabó.
Mesenchymal stem cell-derived conditioned medium protects vascular grafts of brain-dead rats against *in vitro* ischemia/reperfusion injury.
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Impact Factor₂₀₂₁: 8.1
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Impairment of the Akt pathway in transplanted type-1 diabetic hearts is associated with posttransplant graft injury.
Interact Cardiovasc Thorac Surg. 2018 Dec; 27(6):884-894.
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Left ventricular pressure-volume measurements and myocardial gene expression profile in type-2 diabetic Goto-Kakizaki rats.
Am J Physiol Heart Circ Physiol. 2016 Oct; 1;311(4):H958-971.
Impact Factor₂₀₁₆: 3.3
21. **S Korkmaz-Icöz**; S Al Said; T Radovits; S Li; M Brune; P Hegedűs; A Atmanli; M Ruppert; P Brlecic; L Lehmann; B Lahrmann; N Grabe; Y Yoshikawa; H Yasui; P Most; M Karck; G Szabó.
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J Heart Lung Transplant. 2015 Oct; 34(10):1346-53.
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B) Originalarbeiten als Co-Authorschaften:

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 Improving Diastolic and Microvascular Function in Heart Transplantation with Donation after Circulatory Death.
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 Impact Factor₂₀₂₂: 5.6
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