

IX. LITERATUR

- Adams,W.; Trafford,AW.;Eisner,DA. (1998)
2,3-butanedione monoxime (BDM) decreases sarcoplasmatic reticulum Ca content by stimulating Ca release in isolated rat ventricular myocytes. Pflügers Arch.436(5):776-81
- Arad,M.; Shotan,A.; Horowitz,L.; Klein,R.; Rabinowitz,B. (1992)
Effects of captopril on metabolic and hemodynamic alterations in global ischemia and reperfusion in the isolated working rat heart. J.Cardiovasc.Pharmacol.19(3):19-2
- Askew,BM. (1956)
Oximes and hydroxamic acids as antidotes in anti-cholinesterase poisoning. Brit.J.Pharmacol.11:417-23
- Ast,I. (2001)
Normotherme Hämoperfusion isolierter Schweineherzen: Charakterisierung eines neuen Modells mit Berücksichtigung des intramyokardialen Sauerstoffpartialdruckes bei regulärer Perfusion und Okklusion eines Koronararterienastes. Diss., FU-Berlin
- v.Baeyer,H.; Stahl,K.; Häusler,M.; Meissler,M.; Unger,V.; Frank,J.; Grosse-Siestrup,C.; Kaczmarczyk,G.; Affelt,K.; Flaig,HJ.; Steinbach,B. (1997)
Eine neue Methode zur Ex-Vivo-Vollblut-Perfusion isolierter Warmblüterorgane, dargestellt an der Niere von Schweinen. Biomed.Technik 42:61-68
- Baker,JBE.; Dreyer,B. (1956)
Cardiac arrest by potassium citrat. J.Physiol. 131,25P
- Bargmann,W. (1963)
Bau des Herzens. In: Bargmann,W., Doerr,W.: Das Herz des Menschen. 1. Bd. Thieme Stuttgart
- Barner,HB. (1991)
Blood cardioplegia: a review and comparison with crystalloid cardioplegia. Ann.Thorac.Surg.52(6):1354-67.Review
- Berg,R. (1965)
Zur Morphologie der Koronargefäße des Schweins unter besonderer Berücksichtigung ihres Verhaltens zum Myokard. Arch. Exp. Vet. med. 19,1145-1307
- Berg,R. (1962a)
Das makroskopisch-anatomische Verhalten der Aa. coronariae und ihrer Äste beim Hausschwein in Vergleich zum Menschen. Mh. Vet. med. 17,628-635

- Berg,R. (1962b)
 Untersuchungen über das Verhalten der Koronargefäße beim Hausschwein im Hinblick auf das Herztodproblem.
 Mh. Vet. med. 17,469-472
- Berne,R.M.; Sperelakis,N.; Geiger,S.R. (1979)
 Handbook of Physiology. Section 2: The Cardiovascular System. Vol. 1. The heart. American Physiological Society. Bethesda, Maryland
- Bhayana,JN.; Tan,ZT.; Bergsland,J.; Balu,D.; Singh,JK.; Hoover,EL. (1997)
 Beneficial effects of fluosol-polyethylene glycol cardioplegia on cold, preserved rabbit heart. Ann.Thorac.Surg. 63(2):459-64
- Blanchard,EM.; Alpert,NR.; Allen,DG.;Smith,GL. (1988)
 The effect of 2,3 butanedione monoxime on the initial heat-tension-time integral relation and aequorin light output from ferret papillary muscles.
 Biophys.J.5:605a
- Blanchard,EM.; Mulieri,LA.; Alpert,NR. (1990)
 The effect of 2,3 butanedione monoxime on the relation between initial heat and mechanical output of rabbit papillary muscle. Pflüger`s Arch.416:219-221
- Bolling,K.; Kronon,M.; Allen,BS.; Wang,T.; Ramon,S.; Feinberg,H. (1997)
 Myocardial protection in normal and hypoxically stressed neonatal hearts: the superiority of blood versus crystalloid cardioplegia.
 J.Thorac.Cardiovasc.Surg.Jun;113(6):994-1003;discussion 1003-5
- Borrie,J.; Mitchell,RM. (1960)
 The sheep as an experimental animal in surgical science. Brit.J.Surg.47:435
- Borrie,J.; Lichter,I.; Miller,WN. (1968)
 Experimental heart surgery in sheep. J.Surg.Res.7(12) :560-8
- Bretschneider,HJ. (1964)
 Überlebenszeit und Wiederbelebungszeit des Herzens bei Normo- und Hypothermie. Verh. Dtsch. Ges. Kreisl. Forschung 30, 111
- Bretschneider,HJ. (1980)
 Myocardial protection Thorac. Cardiovasc. Surg.28:285-302
- Bretschneider,HJ.; Gebhard,MM.; Preusse,CJ. (1984)
 Cardioplegia-Principles and problems: in Sperelakis N, Nijhoff M (eds)
 Physiology and pathophysiology of the heart. Boston
- Brinkmann,G.; Burkhardt,C.; Clausen,M.; Henze,E. (1992)
 Die Wirkungen der Kardioplegialösungen nach Belzer und Bretschneider auf den myokardialen Energiestoffwechsel. Zeitschrift für Kardiologie(81):Heft 6
- Brixius,K.; Schwinger,RH. (2000)
 Modulation of crossbridgeinteraction by 2,3-butanedione monoxime in human ventricular myocardium. Naunyy.Schmiedebergs Arch.Pharmacol.361(4): 440-4

- Buckberg,GD (1987)
Strategies and logic of cardioplegic delivery to prevent, avoid and reverse ischemic and reperfusion damage. J. Thorac. Cardiovasc. Surg. 93(1):127-39
- Budrikis,A., Bolys,R., Liao,Q., Ingemansson,R., Sjoberg,T., Steen,S. (1998)
Function of adult pig hearts after 2 and 12 hours of cold cardioplegic preservation. Ann. Thorac. Surg. 66(1): 73-8
- Bundesministerium für Ernährung, Landwirtschaft und Forsten
Tierschutzbericht 2000
Bundesministerium für Ernährung, Landwirtschaft und Forsten, Referat
Tierschutz.
- Burgmann,H.; Reckendorfer,H.; Sperlich,M.; Spieckermann,PG. (1996)
Comparison of Bretschneider`s HTK- and Euro-Collins solution using an in vitro small bowel perfusion model.Transplant.Proc. 28(5):2636
- Calhoon,JH.; Bunegin,L.; Gilineau,JF.; Felger,MC.; Naples,JJ.; Miller,OL.; Sako,EY. (1996)
Twelve-hour canine heart preservation with a simple, portable hypothermic organ perfusion device. Ann. Thorac. Surg. 62(1):91-3
- Cannon,MB., Vine,AJ., Kantor,HL., Lahorra,JA., Nickell,SA., Hahn,C., Allyn,JW., Teplick,RS., Titus,JS., Torchiana,DF. (1994)
Warm and cold blood cardioplegia. Comparison of myocardial function metabolism using ³¹P magnetic resonance spectroscopy. Circulation. Nov;90(5 pt 2) : 11328-38
- Carrier,M.; Trudelle,S.; Kahlil,A.; Pelletier,LC. (1998)
Metabolic monitoring during continuous warm- and cold-blood cardioplegia by means of myocardial tissue pH and PO₂. Can.J.Surg. 41(2):142-8
- Catinella,FP.; Cunningham,JN.Jr.; Knopp,EA.; Laschinger,JC.; Spencer,FC. (1983)
Preservation of myocardial ATP. Comparison of blood vs crystalloid cardioplegia.Chest.83(4):650-4
- Clark,LC.; Berg,F.; Lyons,C. (1960)
Continuous perfusion of the arrested heart with arterialiced hypocalcemic blood. Surg. Forum 10, 518
- Cyon,E. (1866)
Über den Einfluss der Temperaturänderungen auf Zahl, Dauer und Stärke der Herzschläge. Ber.Verh.königl.sächsischer Ges.d.Wiss. zu Leipzig, Math.Phys.Classe 18:256-306
- Deetjen,P., Speckmann,E.-J. (1999)
Physiologie.3. Auflage. Seite 303. Urban und Fischer Verlag. München

- Deslauriers,R. (1995)
Antegrade and retrograde continuous warm blood cardioplegia : a 31p magnetic resonance study. *Ann. Thorac. Surg.* 60(5): 1203-9
- Döring,HJ. (1996)
Perfused heart preparations: An overview by Prof.Dr.HJ. Döring. In: *The isolated heart-setups.* Von Hugo Sachs Elektronik.March-Hugstedten.Germany
- Ebus,JP.; Stienen,GJ. (1996)
Effects of 2,-butanedione monoxime on cross-bridge kinetics in rat cardiac muscle. *Pflügers Arch.*432(5):921-9
- Effler,DB.; Groves,LK.; Sones,EM. (1956)
Electrivic cardiac arrest for open-heart surgery- report of three cases. *Cleveland Clin.Quart.* 23, 105
- Elz,JS.; Nayler,WG. (1988)
Contractile activity and reperfusion-induced calcium gain after ischemia in the isolated rat heart. *Laboratory investigation.*58:653-59
- v.Engelhardt,W., Breves,G. (1999)
Physiologie der Haustiere. 1. Auflage. Seite 136. Enke Verlag Stuttgart
- Engelman,RM., Rousou,JH., Lemeshow,S., Dobbs,WA.; (1981)
The metabolic consequences of blood and cristalloid cardioplegia. *Circulation* 64(2Pt2):II67-74
- Ensinger,HT.; Weichel,KH.; Lindner,KH.; Grunert,A.; Ahnefeld,FW. (1993)
Effects of norepinephrine, epinephrine and dopamine infusions on oxygen consumption in volunteers. *Crit.Care.Med.* 21(10):1502-8
- Erhard,J.; Lange,R.; Scherer,R.; Kox,WJ.; Bretschneider,HJ.; Gebhard,MM.; Eigler,FW. (1994)
Comparison of histidine-tryptophan-ketoglutarate (HTK) solution versus University of Wisconsin (UW) solution for organ preservation in human liver transplantation. A prospective, randomized study.*Transpl.Int.*7:177-181
- Fagbemi,OS.; Northover,BJ.(1995)
Long-term preservation of the rat isolated heart with staurosporine and 2,3-butanedione monoxime.*Transplantation.*15;59(7):947-51
- Follette,DM.; Steed,DL.; Foglia,R. (1978)
Advantages of intermittent blood cardioplegia over intermittent ischemia during prolonged hypothermic aortic clamping. *J. Thorac. Cardiovasc. Surg.* Supp.1,58, 3
- Follette,DM.; Fey,K.; Buckberg,GD.; Helly,JJ.; Steed,DL.; Foglia,RP.; Flathery,JT.; Glower,DD.; Kanter, KR.; Gardner,TJ.; Jacobus,WE. (1982)
Use of an isolated heart model to test the utilisation of substrates for inclusion in cardioplegic solutions. *Adv. Myocardiol.* 1982; 3: 563-9

- Garcia-Dorado,D.; Theroux,P.; Duran,JM.; Solares,J.; Alonso,J.; Sanz,E.; Munoz,R.; Elizaga,J.; Botas,J.; Fernandez-Aviles,F.; et al. (1992)
 Selective inhibition of the contractile apparatus. A new approach to modification of infarct size, infarct composition, and infarct geometry during coronary artery occlusion and reperfusion.Circulation.85(3):1160-74
- Gray,RA.; Ayers,G.; Jalife,J. (1997)
 Video imaging of atrial defibrillation in the sheep heart. Circulation.95(4):1038-47
- Groenewoud,AF.; Buchholz,B.; Gubernatis,F.; Hölscher,M.; Hoyer,J.; Isemer,F.; Niebel,W.; Wilms,H. (1990)
 First results of the multicentric study of HTKprotection for kidney transplant.Transplant.Proc.22:2212
- Gschwendt,T. (1931)
 Herz des Wildschweins (XI. Beitrag zur Anatomie von Sus scrofa L. und zum Domestikationsproblem) Vet. Med. Diss. Zürich
- Gundry,SR.; Sequeira,A.; Coughlin,TR.; McLaughlin,JS. (1989)
 Postoperative conduction disturbances: a comparison of blood and crystalloid cardioplegia. Ann.Thorac.Surg. 47(3):384-90
- Gwathmey,JK.; Hajjar,RJ.; Solaro,RJ. (1991)
 Contractile deactivation and uncoupling of crossbridges. Effects of 2,3-butanedione monoxime on mammalian myocardium.Circ.Res.69(5):1280-92
- Habazettl,H.; Palmisano,BW.; Bosnjak,ZJ.;Stowe,DF (1996)
 Initial reperfusion with 2,3-butanedione monoxime is better than hypercalemic reperfusion after cardioplegic arrest in isolated guinea pig hearts. Eur.J.Cardiothorac. Surg. 10(10):897-904
- Habazettl,H.; Voigtländer,J.; Mühlbauer,D. (1999)
 Efficacy of contraction uncoupling by 2,3-butanedione monoxime during initial reperfusion versus cardioplegic arrest for protection of isolated hearts.Ann.Acad.Med.Singapore. 28(1):72-8
- Habazettl,H.; Voigtländer,J.; Leiderer,R.; Messmer,K. (1998)
 Efficacy of myocardial initial reperfusion with 2-3 butanedione monoxime after cardioplegic arrest is time-dependent. Cardiovasc.Res.37(3):684-90
- Hebisch,S.; Bischoff,E.; Soboll,S. (1993)
 Influence of 2,-butanedione monoxime on heart energy metabolism.Basic Res.Cardiol.88:566-575
- Heine,H., Tschirkov,F., Manz,D. (1973)
 Über die Beziehungen zwischen Herzmorphologie, Koronargefäßtyp und Herzanfälligkeit bei Säugetieren. Klin. Wschr. 51,191-197

- Hendriks,FF., Jonas,J., van der Laarse,A., Huysmans,HA. (1983)
Cardioplegic arrest in isolated blood-perfused working rat hearts. *J. Surg. Res.* Jul ; 5(1) : 41-9
- Hiramatsu,T.; Forbess,J.; Miura,T.; Roth,S.; Cioffi,M.; Mayer,J. (1995)
Effects of endothelin-1 and endothelin-a receptor antagonist on recovery after hypothermic cardioplegic ischemia in neonatal lamb hearts.*Circulation.* 92(suppl.II):II-400-II-404
- Hiramatsu,T.; Forbess,J.; Miura,T.; Mayer,J. (1995a)
Effects of L-arginine and L-NAME on recovery of neonatal lamb hearts after cold cardioplegic ischemia: evidence for an important role for endothelial production of nitric oxide. *J.Thorac.Cardiovasc.Surg.* 109:81-87
- Hofmann,P.A.; Fuchs,F. (1988)
Bound calcium and force development in skinned cardiac muscle bundles: effect of sarcomere length. *J.Moll.Cell.Cardiol.*20;667-677
- Hoffenberg,EF., Ye,J., Sun,J., Ghomeshi,HR., Salerno,T.A., Hoffmann,B.F., Suckling,E.E. (1956)
Effect of several cations on transmembrane potentials of cardiac muscle. *Am. J. Physiol.* 186, 317
- Hölscher, B. (1962)
Tierexperimentelle Untersuchungen zum künstlichen Herzstillstand. *Langenbecks Arch. Klin. Chir.* 300, 634
- Iverson,L.; Young,JN.; Ennix,CL.Jr.; Ecker,RR.; Moretti,RL.; Lee,J.; Hayes,RL.; Farrar,MP.; May,RD.; Masterson,R.; et al. (1984)
Myocardial protection: a comparison of cold blood and cold crystalloid cardioplegia. *J.Cardiovasc.Surg.* 87(4):509-16
- Jynge,P.; Hearse,D.J.; Braimbridge,M.V. (1978)
Protection of the ischemic myocardium. Volium-duration relationship and the efficacy of myocardial infusates. *J.Thorac.Cardiovasc.Surg.*76,698-705
- Kamenewa,MV.; Antaki,JF.; Borovetz,HS.; griffith,BP.; Butler,KC.; Yeleswarapu,KK.; Watach,MJ.; Kormos,RL. (1995)
Mechanism of red blood cell trauma in assisted circulation-Reologic similarities of red blood cell deformations due to natural aging and mechanical stress. *ASAIO J.*41:M457-M460
- Kawata,H.; Mitsuru,A.; Mayer,JE. (1993)
Nitroglycerin improves functional recovery of neonatal lamb hearts after 2 hours of cold ischemia. *Circulation.*88:66-71
- Kimose,HH.; Ravkilde,J.; Knudsen,MA.; Helligso,P.; Baandrup,U. (1990)
Recovery after cold cardioplegic arrest of isolated blood-perfused hearts excised from non-anesthetized pigs. *Eur.Surg.Res.* 22(6) :323-35

- Kirsch,U. ;Rodewald,G. ; Kalmar,P. (1972)
Induced ischemic arrest. J.Thorac.Cardiovasc.Surg.63,121-30
- Kivisto,T.; Makiranta,M.; Oikarinen,EL.; Karhu,S.; Weckstrom,M.; Sellin,LC. (1995)
2,3-butanedione monoxie (BDM) increases initial yields and improves long-term survival of isolated cardiac myocytes. Jpn. J.Physiol. 45(1):203-10
- Klinke, R., Silbernagl,S.(1996)
Lehrbuch der Physiologie. Zweite, neugestaltete und überarbeitete Auflage.
Seite 114. Georg Thieme Verlag Stuttgart, New York
- Kloner,RA.; Jennings,RB. (2001)
Consequences of brief ischemia:Stunning,Preconditioning and their clinical implications.Circulation.104:2981
- Knowlton,F.P., Starling,E.H. (1912)
The influence of variations in temperature and blood-pressure on the performance of the isolated mammalian heart.
J. Physiol. 44: 206-219
- Kober,IM.; Obermayr,RP.; Brüll,T.; Ehsani,N.; Schneider,B.; Spieckermann,PG. (1998)
Comparison of the solutions of Bretschneider, St.Thomas`Hospital and the National Institut of Health for cardioplegic protection during moderate hypothermic arrest. Eur.Surg. Res.;30:243-51
- Kolb,E. (1988)
Lehrbuch der Physiologie der Haustiere.S. 219ff
Gustav Fischer Jena
- Kotsanas,G.; Holroyd,SM.; Wendt,IR.; Gibbs,CL. (1993)
Intracellular Ca²⁺, force and activation heat in rabbit papillary muscle: effects of 2,-butanedione monoxime. J.Cell.Cardiol.25(11):1349-58
- Krebs,HA.; Henseleit,K. (1932)
Untersuchungen über die Harnstoffbildung im Tierkörper. Hoppe-Seyler`s Zeitschrift für physiologische Chemie.210:33-6
- Landymore,RW.; Marble,AE.; Eng,P.; MacAulay,MA.; Fris,J. (1992)
Myocardial oxygen consumption and lactate production during antegrade warm blood cardioplegia (see cooments). Eur. J. Cardiothorac. Surg. 6(7):372-6
- Langendorff,O. (1895)
Untersuchungen am überlebenden Säugetierherzen. Pflüger`s Arch.ges. Physiol. 61:291-332
- Lee,YP.; Richman,HG.; Visscher,MB. (1962)
The role of citrat and potassium ions in cardiac arrest. Physiologist 5, 173

- Levick, J.R. (1998)
 Physiologie des Herz-Kreislaufsystems.S. 87ff.UTB Verlag für Wissenschaft
- Li,T.; Sperelakis,N.; Teneik,RE.; Solaro,J. (1985)
 Effects of diacetyl monoximeon the initial excitation-contraction coupling.
 J.Pharmacol.Exp.Therap. 232:688-695
- Li,G., Sullivan,JA.; You,JM.; Hall,RI. (1998)
 Effect of pressure on myocardial function after 6-hour preservation with blood
 cardioplegia. Ann.Thorac.Surg.65 (1): 115-24
- Lindner,KH.; Ahnefeld,FW. (1989)
 Comparison of epinephrine and norepinephrine in prehospital ventricular
 fibrillation. Am.J.Cardiol. 67(5):427-8
- Lindner,KH.; Ahnefeld,FW.; Grunert,A. (1991)
 Epinephrin versus norepinephrin in prehospital ventricular fibrillation. Am. J.
 Cardiol. 67(5): 427-8
- Lindner,KH.; Dirks,B.; Strohmenger,HU.; Prengel,AW.; Lindner,IM.; Lurie,KG. (1997)
 Randomised comparison of epinephrine and vasopressin in patients with out-
 of-hospital ventricular fibrillation.Lancet.22;349(9051):535-7
- Lopukhin,SY.; Southard,JH.; Belzer,FO. (1993)
 University of Wisconsin solution containing 2,3-bitanedione monoxime extends
 myocardium preservation time.Transplant. Proc. 25(6):3017-8
- Maloney,JV. (1981)
 Reducing postischemicdamaga by temporary modification of reperfusate
 calcium, potassium,pH and osmolarity. J.Thorac.Cardiovasc.Surg. 82:221-38
- Martin,H.N. (1881)
 A new method of studying the mammalian heart. Stud.Biol.Lab.Johns Hopkins
 University 2:119-130
- Matthew,SA.; Jackson,DE. (1907)
 The action of magnesium sulphate upon the heart and the antagonistic action
 of some other drugs. Am. J. Physiol. 19
- Merrit,DH.; Sealey,WC. (1958)
 Potassium, magnesium and neostigmine for controled cardioplegia: evaluation
 with isolated perfused cat heart. Arch. Surg. 76, 365
- Mezzetti,A; Calafiore,AM.; Lapenna,D.; Deslauriers,R.; Tian,G.; Salerno,TA.;
 Verna,AM; Bosco,G.; Pierdomenico,SD.; Caccurullo,F. (1995)
 Intermittend antegrade warm cardioplegia reduces oxidative stress and
 improves metabolism of the ischemic-reperfused human myocardium. J.
 Thorac. Cardiovasc. Surg. 109(4):787-95

- Modersohn,D., Grosse-Siestrup,C., Liu,C., Konertz,W. (1997)
[Evaluation of regional and global heart function and heart metabolism in haemoperfused swine hearts]. Biomed. Tech. (Berl) 42 (Suppl): 393-4
- Mulieri,LA.; Hasenfuss,G.; Ittleman,F.; Blanchard,EM.; Alpert,NR. (1989)
Protection of human left ventricular myocardium from cuttig injury with 2, butanedione monoxime. Circ.Res.65:1441-1444
- Mullen,JC.; Fremes,SE.; Weisel,RD. ; Christakis,GT.; Ivanov,J.; Madonik,MM.; Houle,S.; McLaughlin,PR. (1987)
Right ventricular function: a comparison between blood and crystalloid cardioplegia. Ann.Thorac.Surg. 43(1):17-24
- Neely,J.R.; Liebermeister,H.; Battersby,E.J.; Morgan,H.E. (1967)
Effect of pressure development on oxigen consumption byisolated rat heart. Am.J.Physiol.212:804-14
- Nickel,R.; Schummer,A.; Seiferle,E. (1996)
Lehrbuch der Anatomie der Haustiere. Band III: Kreislaufsystem-Haut und Hautanhangsorgane. Verlag Paul Parey, Hamburg und Berlin
- Nwaneri,NJ.; Levitsky,S.; Silverman,NA.; Feinberg,H. (1983)
Introduction of cardioplegia with blood and crystalloid potassium solutions during prolonged aortic cross-clamping. Surgery.94(5):836-41
- Pearl,JM.; Laks,H.; Drinkwater,DC.; Meneshian,A.; Martin,SM.; Curzan,M.; Chang,PA. (1992)
Fluosol cardioplegia results in complete functiona recovery; a comparison with blood cardioplegia.Ann.Thorac.Surg.54(6):1144-50
- Penpargkul,S.; Scheuer,J (1969)
Metabolic comparisonsbetween hearts arrestet by calcium deprivation or potassium excess. Am. J. Physiol. 217, 1405
- Perreault,CL.; Mulieri,LA.; Alpert,NR.; Ransil,BJ.; Allen,PD.; Morgan,JP. (1992)
Cellular basis of negative inotropic effect of 2,3-butanedione monoxime in human myocardium.Am.J.Physiol.263(2Pt2): H503-10
- Piper,HM.; Garcia-Dorado,D.; Ovize,M. (1998)
A fresh look at reperfusion injury. Cardiovasc.Res.38(2):291-300
- Powell,SR.; Wapnir,RA. (1994)
Adventitious redox-active metals in Krebs-Henseleit buffer can contribute to Langendorff heart experimental results.J.Mol.Cell.Cardiol. 27(9):769-80
- Prasad,K.; Bharadwaj,B.; CardRT. (1988)
Effects of blood and crystalloid cardioplegia on cardiac function at organ and cellular levels during hypothermic cardiac arrest. Angiology.39(1 Pt 1):23-33

- Pschyrembel,W. (1998)
Klinisches Wörterbuch,258. Auflage.Walter de Gruyter,Berlin-New York.
- Pulver,KG. (1968)
Klinische Erfahrungen mit verschiedenen Methoden zur künstlichen
Kardioplegie für Operationen am offenen Herzen oder an den großen
Gefäßen. Köln. Opladen, Westdeutscher Verlag.
- Rhode,E. (1910)
Stoffwechseluntersuchungen am überlebenden Warmblüterherzen.
I.Mitteilung. Zur Physiologie des Herzstoffwechsels.Z.Physiol.Chem.68:181-
235
- Riberi,A.; Shumaker,HB. (1958)
Elective cardiac arrest under moderate hypothermia. Ann. Surg. 148, 21
- Rigler,R. (1932)
Das Vorhofkammerkreislaufpräparat.Arch.Exper.Path.Pharmakol. 163:295-
310
- Ruigrok,T.J.; Burgersdijk,F.J.; Zimmerman,A.N. (1975)
The calcium paradox. A reaffirmation. Eur.J.Cardiol.3,59-63
- Rushmer,R.F. (1976)
Cardiovascular Dynamics.Philadelphia,Saunders. S.77
- Scheunert,A.; Trautmann,A. (1987)
Lehrbuch der Veterinärphysiologie. Siebte, neubearbeitete Auflage. Seite
213ff. Verlag Paul Parey. Berlin und Hamburg
- Schmidt,R.F.; Thews,G. (2000)
Physiologie des Menschen. 28. Auflage. Seite 472-477.
Springer-Verlag Heidelberg. New York
- Schmidt, W. (1991)
Prospektive, randomisierte Studie zum Vergleich der Fresenius-Kardioplegie
mit Blutkardioplegie. Medizinische Dissertation. Universitätsklinik Würzburg
- Sellin,LC.; McArdle,JJ. (1994)
Multile effects of 2,3-butanedione monoxime. Pharmacol.Toxicol.74(6):305-13
- Seybold-Epting,W. (1981)
Kardioplegie.Berlin,Heidelberg,New York,Springer Verlag
- Silbernagl,S.; Despopoulos,A. (1991)
Taschenatlas der Physiologie.4.überarbeitete Aufl.Georg Thieme Verlag
Stuttgart,New York. Seite 156ff

- Solaro,R.J.; VanEyck,J. (1996)
Altered interactions among thin filament proteins modulate cardiac function.J.Mol.Cell.Cardiol.28;217-230
- Sondergaard,T.; Senn,A. (1967)
Klinische Erfahrungen mit der Kardioplegie nach Bretschneider. Langenbecks Arch. klin. Chir. 319, 661
- Sperelakis,N.; Kurachi,Y.; Terzic,A.; Cohen,M.V. (2001)
Heart Physiology and Pathophysiology.Academic Press.San Diego, San Francisco, New York. 4. Edition. Seite 11 ff.
- Stolte,D. (2001)
Beurteilung des regionalen Herzstoffwechsels mit der Mikrodialysetechnik am isolierten hämoperfundierte Schweineherzen. Medizinische Dissertation, Humboldt-Universität Berlin
- Stolte,M. (1981)
Anatomie und Pathologie der Koronararterien. Erlangen, perimed Fachbuch-Verlagsgesellschaft
- Stowe,DF.; Boban,M.; Graf,BM.; Kampine,JP.; Bosnjak,ZJ. (1994)
Contraction uncoupling with butanedione monoxime versus low calcium or high potassium solutions on flow and contractile function and isolated hearts after prolonged hypothermic perfusion. Circulation.89(5):2412-20
- Stringham,JC.; Paulsen,KL.; Southard,JH.; Fields,BL.; Belzer,FO. (1992)
Improved myocardial ischemic tolerance by contractile inhibition with 2,3-butanedione-monoxime.Ann.Thorac.Surg.54:852-60
- Stringham,JC.; Paulsen,KL.; Southard,JH.; Mentzer,RM.; Belzer,FO.(1994)
Prolonging myocardial preservation with a modified University of Wisconsin solution containing 2,3-butanedione monoxime and calcium.J.Cardiovasc.Surg.107(3):764-75
- Strohmeier,HU.; Lindner,KH.; Prengel,AW.; Pfenniger,EG.; Bothner,U.; Lurie,KG. (1996)
Effects of epinephrine and vasopressin on median fibrillation frequency and defibrillation success in a porcine model of cardiopulmonary resuscitation.Resuscitation.31(1):65-72
- Suaudeau,J.; Kolobow,T. (1975)
Isolated sheep heart hypothermic (5-13°C) perfusion with fresh blood: successful preservation for 24-72 hours with continuous strong ventricular activity.Cryobiology14:337-348
- Sultan,AM.; Khan,ZA. (1997)
The impact of physiological insulin concentration and depletion on the metabolism of glucose, endogenous glycogen, and triglycerides in the isolated perfused heart. Biochem.Cell.Biol. 75(3):183-90

- Sutherland,FJ.; Hearse,DJ. (2000)
The isolated blood and perfusion fluid perfused heart.
Pharmacol.Res.41(6):613-27
- Teutsch,G. (1996)
Living with ethics, weakness and violence.ALTEX.13(2):51-54
- Thielscher,HH. (1985)
Oxygen supply and lactate utilisation in the porcine
heart.Berl.Münch.Tierärztl.Wschr.92(2):54-57
- Tian,G.; Xiang,B. ; Butler,KW. ;Calafiore,AM. ; Mazzetti,A. ; Salerno,TA. ;
Deslauriers,R. (1995)
A 31P-nuclear magnetic resonance study of intermitten warm blood
cardioplegia.J.Thorac. Cardiovasc. Surg.109(6):1155-63
- Triosi,R.; Meester,D.; Regaert,B.; Jacobs,B.; v.d.Broucke,C.; Cuvelier,C.;
deHemptinne,B.; Hesse,UJ. (2000)
Physiologic and metabolic results of pancreatic cold storage with Histidine-
Tryptophan-Ketoglutarate-HTK solution (Custodiol) in the porcine
autotransplantation model.Transpl.Int. 13:98-105
- Verdouw,P.D., van den Doel,M.A., de Zeeuw,S., Duncker,D.J. (1998)
Animal models in the study of myocardial ischaemia and ischaemic syndroms.
Cardiovasc. Res. 39(1):121-35
- Weng,ZC.; Nicolsi,AC.; Detwiler,PW.; Hsu,DT.; Schierman,SW.; Goldstein,AH.;
Spotnitz,HM. (1992)
Effects of crystalloid, blood, and University of Wisconsinperfusates on weight,
water content, and left ventricular compliance in an edema-prone, isolated
porcine heart model.J.Thorac.Surg.103(3):504-13
- Xaio,YF.; McArdle,JJ. (1995)
Effects of 2,3-butanedione monoxime on blood pressure, myocardial Ca²⁺
currents, and action potentials on rats. Am.J.Hypertens.8(12 Pt 1):1232-40
- Zhang,J; Furukawa,RD.; Fremes,SE.;Mickle,DA.; Weisel,RD. (1997)
Effects of butanedione monoxime and temperature on prolonged cardiac
storage. Ann.Thorac.Surg. 63(2):388-94