# **Список литературы**

|  |  |
| --- | --- |
| 1 | Акимцева Е.А., Котовщикова Е.Ф. Маркеры эндотелиальной дисфункции как предикторы развития ретромбозов коронарных стентов // Фундаментальные исследования. – 2012. – № 8-2. – С. 271-273; |
| 2 | Антонова К.В., Танашян М.М., Шабалина А.А., Максимова М.Ю., Лагода О.В., Шахпаронова Н.В., Ройтман Е.В., Аннушкин В.А. Гемостаз у лиц с сахарным диабетом 2-го типа и ожирением при острой и хронической цереброваскулярной патологии Тромбоз, гемостаз и реология. 2020. № 2 (82). С. 60-67. |
| 3 | Архипова М. М., Нероев В. В., Баратова Л. А., Лысенко В. С.  L-аргинин в слезной жидкости больных с диабетической ретинопатией и возможная роль оксида азота в патогенезе ишемии сетчатки // Вестн. офтальмол. — 2000. — Т. 116, № 2. — C. 23—24. |
| 4 | Быковская М.А., Раскуражев А.А., Шабалина А.А., Антонова К.В., Танашян М.М. Биомаркеры повреждения сосудистой стенки у пациентов с цереброваскулярными заболеваниями и сахарным диабетом 2-го типа. Тромбоз, гемостаз и реология 2021 №3, DOI: 10.25555/THR.2021 |
| 5 | Галстян Г., Удовиченко О., Анциферов М.  Тиоктацид в лечении диабетической полинейропатии // Врач. 2000; 1 |
| 6 | Дедов И.И., Балаболкин М.И., Мамаева Г.Г., Клебанова Е. М., Креминская В.М.  Сахарный диабет: ангиопатии и окислительный стресс. Пособие для врачей. М.: 2003; 85. |
| 7 | Дедов И.И., Балаболкин М.И., Мамаева Г.Г., Фадеева Н.И., Клебанова Е.М., Кравченко Т.В., Креминская В.М. Антиоксидантная терапия диабета и его поздних осложнений. Пособие для врачей. М.: 2001; 24 |
| 8 | Дедов И.И. М.: 2003;40.  Свободно-радикальное окисление и антиоксидантная защита при сахарном диабете. Пособие для врачей / Под ред. |
| 9 | Калашникова М. Ф.  Применение метформина в лечении различных эндокринных заболеваний  // Клиницист. 2007. №3. URL: https://cyberleninka.ru/article/n/primenenie-metformina-v-lechenii-razlichnyh-endokrinnyh-zabolevaniy (дата обращения: 25.05.2021). |
| 10 | Козачок Н.Н., Селюк М.Н.  Применение липоевой кислоты (берлитиона) в клинической практике // Мистецтво лікування. 2003. № 5. С. 75–77 |
| 11 | Копьева Т. Н., Амосова О. М.  Полиморфноядерный лейкоцит: роль в развитии острого и хронического неспецифического воспаления в легких // Терапевт. арх. — 1987. — № 3. — С. 142-145 |
| 12 | Лагода О. В., Чечеткин А. О. Дуплексное сканирование в диагностике патологии сосудов головного мозга //Нервные болезни. – 2004. – №. 3. |
| 13 | Лагода О.В. Дуплексное сканирование в оценке атеросклеротической патологии сонных артерий / О.В. Лагода, В.Ю. Белецкий, Д.Н. Джибладзе // Ангиология сегодня. 2001. №2. С. 3-6. |
| 14 | Маргиева Т. В., Сергеева Т. В. Участие маркёров эндотелиальной дисфункции в патогенезе хронического гломерулонефрита // ВСП. 2006. №3. |
| 15 | Медведев Р.М., С. И. Скрылев, А. Ю. Кощеев, М. М. Танашян. Острые очаги ишемии головного мозга после каротидной ангиопластики со стентированием. Medica mente/Лечим с умом. — 2017. — Т. 3, № 1. — С. 7–10. |
| 16 | Пирадов М.А. ,Иллариошкин С.Н. , Танашян М.М., Пономарева Н.В. , Максимова М.Ю.   Биомаркеры в современной неврологии. Обзор. Issn1818-460x Кремлевская медицина. Клинический вестник. №3 2018 |
| 17 | Пирадов М.А., Максимова М. Ю., Танашян М.М  Инсульт: пошаговая инструкция Руководство для врачей 2020 |
| 18 | Пирадов М.А., Танашян М.М., Домашенко М.А., Сергеев Д.В., Максимова М.Ю.  Нейропротекция при цереброваскулярных заболеваниях: поиск жизни на Марсе или перспективное направление лечения?  Часть 1. Острые нарушения мозгового кровообращения  // Анналы клинической и экспериментальной неврологии. 2015. №1.с  URL: https://cyberleninka.ru/article/n/neyroprotektsiya-pri-tserebrovaskulyarnyh-zabolevaniyah-poisk-zhizni-na-marse-ili-perspektivnoe-napravlenie-lecheniya-chast-1-ostrye |
| 19 | Писаржевский С.А.  Проницаемость эндотелия и атеросклероз. Кардиология. - 2005. |
| 20 | Попова А.А., С.Д. Маянская, Н.Н. Маянская, Е.Н. Березикова, Л.Д. Хидирова, 2009 УДК 616.12-008.331.1+616.13/.14-018.74-008+546.172.6-31 Артериальная гипертония и дисфункция эндотелия |
| 21 | Танашян М. М., Ионова, В. Г., Орлов, С. В., Омельченко, Н. Г., Шабалина, А. А., & Костырева, М. В. (2010).  Хронические цереброваскулярные заболевания, метаболический синдром и состояние систем гемореологии и гемостаза. Терапевтический архив, 82(10), 19-24. |
| 22 | Танашян М. М., Раскуражев А. А., Лагода О. В., Шабалина А. А., Антонова К. В. Цереброваскулярная патология на фоне метаболического синдрома: клинические наблюдения  // Нервные болезни. 2013. №4. URL: https://cyberleninka.ru/article/n/tserebrovaskulyarnaya-patologiya-na-fone-metabolicheskogo-sindroma-klinicheskie-nablyudeniya (дата обращения: 25.04.2021). |
| 23 | Танашян М.М., Антонова К.В., Лагода О.В., Бердникович Е.С., Медведев Р.Б., Титкова И.И., Наминов А.В., Аннушкин В.А. Динамика когнитивных функций после ангиореконструктивных вмешательств у коморбидных пациентов Неврология, нейропсихиатрия, психосоматика. 2020. Т. 12. № 5. С. 32-39. |
| 24 | Танашян М.М., Антонова К.В., Медведев Р.Б., Скрылев С.И., Кротенкова М.В., Романцова Т.И. «Способ прогнозирования асимптомного повреждения вещества головного мозга при ангиореконструктивных операция на сонных артериях». Патент на изобретение RU 2711414 C1, 17.01.2020. Заявка № 2019108775 от 27.03.2019 |
| 25 | Танашян М.М., Лагода О.В., Орлов С.В., Теленкова Н.Г., Максюткина Л.Н., Петрухина С.Ю.  Сосудистые заболевания головного мозга и метаболический синдром // Терапевтический архив. 2013. №10. URL: https://cyberleninka.ru/article/n/sosudistye-zabolevaniya-golovnogo-mozga-i-metabolicheskiy-sindrom |
| 26 |  |
| 27 | Танашян М.М., Медведев Р.Б., Гемджян Э.Г., Скрылев С.И., Кротенкова М.В., Щипакин В.Л., Кощеев А.Ю., Синицын И.А. Предикторы острых церебральных эмболических повреждений при стентировании сонной артерии Ангиология и сосудистая хирургия. Том 25 №4/2019 DOI:10.33529/ANGIO2019410 |
| 28 | Танашян М.М., Медведев Р.Б., Лагода О.В., Бердникович Е.С., Скрылев С.И., Гемджян Э.Г., Кротенкова М.В. Состояние когнитивных функций после ангиореконструктивных операций на сонных артериях Вестник Российского государственного медицинского университета. 2019. № 5. С. 70-77. |
| 29 | Танашян М.М., Раскуражев А.А., Шабалина А.А., Лагода О.В., Гнедовская Е.В. Биомаркеры церебрального атеросклероза: возможности ранней диагностики и прогнозирования индивидуального риска // Анналы клинической и экспериментальной неврологии. 2015. №3. |
| 30 | Татарченко И.П., Позднякова Н.В., Мордовина А.Г., Морозова О.И., Коломиец Е.В.  Дисфункция сосудистого эндотелия в оценке эпизодов ишемии миокарда при сахарном диабете 2-го типа. Проблемы Эндокринологии. 2009;55(6):7-11. https://doi.org/10.14341/probl20095567-11 |
| 31 | Alain T. and Z. MALLAT Cytokines in Atherosclerosis: Pathogenic and Regulatory Pathways Physiol Rev 86: 515–581, 2006; doi:10.1152/physrev.00024.2005. |
| 32 | Anderson TJ, Gerhard MD, Meredith IT, Charbonneau F, Delagrange D, Creager MA, Selwyn AP, Ganz P Systemic nature of endothelial dysfunction in atherosclerosis. Am J Cardiol. 1995 Feb 23; 75(6):71B-74B. |
| 33 | Ando J, Yamamoto K Antioxid Redox Signal.  Effects of shear stress and stretch on endothelial function. 2011 Sep 1; 15(5):1389-403. |
| 34 | Anitschkow N and Chalatov S.  Ueber experimentalle Cholesterinsteatose. Zbl allg Path path Anat 24: 1–9 |
| 35 | Araki N., Higashi T., Mori T. et al.  Macrophage scavenger receptor mediates the endocytic uptake and degradation of advanced glycation end products of Maillard reaction  // Eur. J. Biochem. — 1995. — Vol. 230. — P. 408-415 |
| 36 | Atkinson A.J., Colburn W.A., DeGruttola V.G. et al. Biomarkers and surrogate endpoints: preferred definitions and conceptual framework. Clin. Pharmacol. Ther. 2001; 69(3): 89- 95. doi: 10.1067/mcp.2001.113989. |
| 37 | Barbato J.E., Zukerbraun B.S., Overbaus M. and al.  Nitric oxide modulates vascular information and intimal hyperplasia in insulin resistance and metabolic syndrome.J.Physiol.Heart.Circ.2005. 289,228-235. |
| 38 | Baynes J.W., Thorpe S.R.  The role of oxidative stress in diabetic complications // Diabetes. 1999; 48: 1–9. |
| 39 | Bendszus, M., Koltzenburg, M., Burger, R., Warmuth-Metz, M., Hofmann, E., & Solymosi, L. (1999).  Silent embolism in diagnostic cerebral angiography and neurointerventional procedures: a prospective study. The Lancet, 354(9190), 1594–1597. doi:10.1016/s0140-6736(99)07083-x |
| 40 | Bernick C, Kuller L, Dulberg C, et al.  Silent MRI infarcts and the risk of future stroke: the Cardiovascular Health Study. Neurology 2001; 57: 1222–29. 144 Vermeer SE, Hollander M, van Dijk EJ, Hofman A, Koudstaal PJ, Breteler MMB. Silent brain infarcts and white-matter lesions increase stroke risk in the general population: the Rotterdam Scan study. Stroke 2003; 34: 1126–29. |
| 41 | Binder CJ, Chang MK, Shaw PX, Miller YI, Hartvigsen K, Dewan A, and Witztum JL.  Innate and acquired immunity in atherogenesis. Nat Med 8: 1218–1226, 2002. |
| 42 | Bonello L, Frere C, Cointe S, Laine M, Mancini J, Thuny F, Kerbaul F, Lemesle G, Paganelli F, Guieu R, Arnaud L, Dignat-George F, Sabatier F  Ticagrelor increases endothelial progenitor cell level compared to clopidogrel in acute coronary syndromes: A prospective randomized study. Int J Cardiol. 2015; 187():502-7. |
| 43 | Bonetti PO, Lerman LO, Lerman A  Endothelial dysfunction: a marker of atherosclerotic risk. Arterioscler Thromb Vasc Biol. 2003 Feb 1; 23(2):168-75. |
| 44 | Bosiers M, de Donato G, Deloose K, et al.  Does free cell area influence the outcome in carotid artery stenting? Eur J Vasc Endovasc Surg. 2007;33:135–41. |
| 45 | Bosiers M, Deloose K, Verbist J, Peeters P.  Carotid artery stenting: which stent for which lesion? Vascular. 2005;13:205–10 |
| 46 | Brooks WH, McClure RR, Jones MR, Coleman TC, Breathitt L J  Carotid angioplasty and stenting versus carotid endarterectomy: randomized trial in a community hospital.  Am Coll Cardiol. 2001 Nov 15; 38(6):1589-95. |
| 47 | Brott, T.G., Howard, G., Roubin, G.S. et al. CREST investigators.  The long-term results of stenting versus endarterectomy for carotid-artery stenosis. N. Engl. J. Med. 2016; 374: 1021–1031 |
| 48 | Brownlee M.  Biochemistry and molecular cell biology of diabetic complications  // Nature. — 2001. — Vol. 414. — P. 813-820 |
| 49 | Brownlee M.  Negative consequence of glycation // Metabolism. — 2000. — Vol. 49, Suppl. 1. — P. 9-13 |
| 50 | Bucala R., Makita Z., Koschinsky T. et al.  Lipid advanced glycosylation: pathway for lipid oxidation in vivo  // Proc. Natl. Acad. Sci. USA. — 1993. — Vol. 90. — P. 6434-6438 |
| 51 | Bucala R., Makita Z., Vega G. et al.  Modification of low density lipoprotein by advanced glycation end products contributes to the dyslipidemia of diabetes and renal insufficiency  // Proc. Natl. Acad. Sci. USA. — 1994. — Vol. 91. — P. 9441-9445 |
| 52 | Celermajer DS, Sorensen KE, Gooch VM, Spiegelhalter DJ, Miller OI, Sullivan ID, Lloyd JK, Deanfield JE  Non-invasive detection of endothelial dysfunction in children and adults at risk of atherosclerosis. Lancet. 1992 Nov 7; 340(8828):1111-5. |
| 53 | Chiu JJ, Chien S, Physiol Rev. Effects of disturbed flow on vascular endothelium: pathophysiological basis and clinical perspectives.2011 Jan; 91(1):327-87. |
| 54 | Cragg A, Einzig S, Castaneda-Zuniga W, Amplatz K, White JG, Rao GH Vessel wall arachidonate metabolism after angioplasty: possible mediators of postangioplasty vasospasm. Am J Cardiol 1983 May 1; 51(8):1441-5. |
| 55 | Davies MJ.  A macro and micro view of coronary vascular insult in ischemic heart disease. Circulation 82: II38–46, 1990. |
| 56 | Davies MJ.  Stability and instability: two faces of coronary atherosclerosis—The Paul Dudley White Lecture 1995.  Circulation 94: 2013–2020, 1996 |
| 57 | Davies PF Nat Clin Pract Cardiovasc Med.  Hemodynamic shear stress and the endothelium in cardiovascular pathophysiology. 2009 Jan; 6(1):16-26. |
| 58 | Dawn O. Kleindorfer, MD, FAHA, Chair; Amytis Towfighi, MD, FAHA, Vice Chair; Seemant Chaturvedi, MD, FAHA; Kevin M. Cockroft, MD, MSc, FAHA; Jose Gutierrez, MD, MPH; Debbie Lombardi-Hill, BS, FAHA; Hooman Kamel, MD; Walter N. Kernan, MD\*; Steven J. Kittner, MD, MPH, FAHA; Enrique C. Leira, MD, MS, FAHA; Olive Lennon, PhD; James F. Meschia, MD, FAHA; Thanh N. Nguyen, MD, FAHA; Peter M. Pollak, MD; Pasquale Santangeli, MD, PhD; Anjail Z. Sharrief, MD, MPH, FAHA; Sidney C. Smith Jr, MD, FAHA; Tanya N. Turan, MD, MS, FAHA†; Linda S. Williams, MD, FAHA 2021 Guideline for the Prevention of Stroke in Patients With Stroke and Transient Ischemic Attack A Guideline From the American Heart Association/American Stroke Association Reviewed for evidence-based integrity and endorsed by the American Association of Neurological Surgeons and Congress of Neurological Surgeons. Endorsed by the Society of Vascular and Interventional Neurology The American Academy of Neurology affirms the value of this statement as an educational tool for neurologists. |
| 59 | De Donato G, Setacci C, Deloose K, et al. Long term results of carotid atery stenting. J Vasc Surg. 2008;48:1431–41 |
| 60 | De Donato G, Setacci F, Sirignano P, Galzerano G, Cappelli A, Setacci C.  Optical coherence tomography after carotid stenting: rate of stent malapposition, plaque prolapse and fibrous cap rupture according to stent design. Eur J Vasc Endovasc Surg 2013;45:579–87 |
| 61 | Durand E, Scoazec A, Lafont A, Boddaert J, Al Hajzen A, Addad F, Mirshahi M, Desnos M, Tedgui A, and Mallat Z.  In vivo induction of endothelial apoptosis leads to vessel thrombosis and endothelial denudation:  a clue to the understanding of the mechanisms of thrombotic plaque erosion. Circulation 109: 2503–2506, 2004. |
| 62 | Dzierwa K, Pieniążek P, Tekieli L, et al.  Carotid artery stenting according to the “tailored CAS” algorithm performed in the very elderly patients: the thirty day outcome.  Catheter Cardiovasc Interv. 2013;82:681–8. |
| 63 | Estrada D. Ewart H. et al.  Stimulation of glucose uptake by the natural coenzyme alfa-lipoic acid thioic acid. Diabetes 1996: 45: 1798–804 |
| 64 | Evans J., Goldfine I., Maddux B., Grodsky G.  Are Oxidative Stress-Activated Signaling Pathways Mediators of Insulin Resistance and Beta-Cell Dysfunction?  // Diabetes. 2003; 52: 1: 1–8. |
| 65 | Faggiotto A, Ross R, and Harker L.  Studies of hypercholesterolemia in the non human primate. I. Changes that lead to fatty streak formation.  Arteriosclerosis 4: 323–340, 1984. |
| 66 | Fairman R, Gray WA, Scicli AP, et al., for the CAPTURE Trial Collaborators.  The CAPTURE registry: analysis of strokes resulting from carotid artery stenting in the post approval setting:  timing, location, severity, and type. Ann Surg 2007;246:551–6. |
| 67 | Falk E, Shah PK, Fuster V. Pathogenesis of plaque disruption. In: Fuster V, Ross R, Topol EJ, eds.  Atherosclerosis and coronary artery disease.  Vol. 2. Philadelphia: Lippincott-Raven, 1996:492-510. |
| 68 | Falk E.  Plaque rupture with severe pre-existing stenosis precipitating coronary thrombosis.  Characteristics of coronary atherosclerotic plaques underlying fatal occlusive thrombi.  Br Heart J 50: 127–134, 1983. |
| 69 | Farb A, Burke AP, Tang AL, Liang YH, Mannan P, Smialek J, and Virmani R.  Coronary plaque erosion without rupture into a lipid core: a frequent cause of coronary thrombosis in sudden coronary death.  Circulation 93: 1354–1363, 1996. |
| 70 | Ferretti G., Bacchetti T., Busni D. et al.  Protective effect of paraoxonase activity in high-density lipoproteins against erythrocyte membranes peroxidation : a comparison between healthy subjects and type 1 diabetic patients // J. Clin. Endocrinol. Metab. — 2004. — Vol. 89. — P. 2957-2962. |
| 71 | Firoozrai M., Nourbakhsh M., Razzaghy-Azar M.  Erythrocyte susceptibility to oxidative stress and antioxidant status in patients with type 1 diabetes  // Diabetes Res. Clin. Pract. — 2007. — Vol. 77. — P. 427-432. |
| 72 | Fisher CM.  Lacunes: small, deep cerebral infarcts. Neurology 1965; 15: 774–84. |
| 73 | Flammer AJ, Lüscher TF Human endothelial dysfunction: EDRFs. Pflugers Arch. 2010 May; 459(6):1005-13. |
| 74 | Foin N, Gutiérrez-Chico JL, Nakatani S, Torii R, Bourantas CV, Sen S, Nijjer S, Petraco R, Kousera C, Ghione M, Onuma Y, Garcia-Garcia HM, Francis DP, Wong P, Di Mario C, Davies JE, Serruys PW  Incomplete stent apposition causes high shear flow disturbances and delay in neointimal coverage as a function of strut to wall detachment distance: implications for the management of incomplete stent apposition. Circ Cardiovasc Interv. 2014 Apr; 7(2):180-9. |
| 75 | Furchgott RF, Zawadzki JV  The obligatory role of endothelial cells in the relaxation of arterial smooth muscle by acetylcholine. Nature. 1980 Nov 27; 288(5789):373-6. |
| 76 | Fuster V, Fayad ZA, and Badimon JJ.  Acute coronary syndromes: biology. Lancet 353 Suppl 2: SII5–9, 1999. |
| 77 | Ghibu S., Richard C., Delemasure S. et al.  An endogenous dithiol with antioxidant properties: alpha-lipoic acid, potential uses in cardiovascular diseases.  // Ann Cardiol Angeiol (Paris). 2008 Jun; 57: 3: 161–165 |
| 78 | Gimbrone MA Jr and Buchanan MR.  Interactions of platelets and leukocytes with vascular endothelium: in vitro studies. Ann NY Acad Sci 401: 171–183, 1982. |
| 79 | Glagov S, Weisenberg E, Zarins CK, Stankunavicius R, Kolettis GJ. Compensatory enlargement of human atherosclerotic coronary arteries. N Engl J Med 1987;316:1371-5. |
| 80 | Glass CK and Witztum JL.  Atherosclerosis the road ahead. Cell 104: 503–516, 2001. |
| 81 | Goldstein JL, Ho YK, Basu SK, and Brown MS.  Binding site on macrophages that mediates uptake and degradation of acetylated low density lipoprotein, producing massive cholesterol deposition. Proc Natl Acad Sci USA 76: 333–337, 1979. |
| 82 | Gori T, Burstein JM, Ahmed S, Miner SE, Al-Hesayen A, Kelly S, Parker JD  Folic acid prevents nitroglycerin-induced nitric oxide synthase dysfunction and nitrate tolerance: a human in vivo study.  Circulation. 2001 Sep 4; 104(10):1119-23. |
| 83 | Gori T, Muxel S, Damaske A, Radmacher MC, Fasola F, Schaefer S, Schulz A, Jabs A, Parker JD, Münzel T Eur Heart J.  Endothelial function assessment: flow-mediated dilation and constriction provide different and complementary information on the presence of coronary artery disease. 2012 Feb; 33(3):363-71. |
| 84 | Gori T, Polimeni A, Indolfi C, Räber L, Adriaenssens T, Münzel T  Predictors of stent thrombosis and their implications for clinical practice. Nat Rev Cardiol. 2019 Apr; 16(4):243-256. |
| 85 | Gori T, von Henning U, Muxel S, Schaefer S, Fasola F, Vosseler M, Schnorbus B, Binder H, Parker JD, Münzel T Both flow-mediated dilation and constriction are associated with changes in blood flow and shear stress: Two complementary perspectives on endothelial function. Clin Hemorheol Microcirc. 2016; 64(3):255-266. |
| 86 | Gori T1, Münzel T. Oxidative stress and endothelial dysfunction: therapeutic implications. Ann Med. 2011 Jun;43(4):259-72. doi: 10.3109/07853890.2010.543920. Epub 2011 Feb 1. |
| 87 | Grundy S. M. et al.  Definition of metabolic syndrome: report of the National Heart, Lung, and Blood Institute/American Heart Association conference on scientific issues related to definition //Circulation. – 2004. – Т. 109. – №. 3. – С. 433-438. |
| 88 | Guagliumi G, Sirbu V, Musumeci G, Gerber R, Biondi-Zoccai G, Ikejima H, Ladich E, Lortkipanidze N, Matiashvili A, Valsecchi O, Virmani R, Stone GW JACC Examination of the in vivo mechanisms of late drug-eluting stent thrombosis: findings from optical coherence tomography and intravascular ultrasound imaging. Cardiovasc Interv. 2012 Jan; 5(1):12-20. |
| 89 | Han D., Haddelman G., Marcocci L. at al.  Lipoic acid increases de novo synthesis of cellular glutathione by improving cystine utilization. Biofactors 1997; 6: 321–338 |
| 90 | Hanna A. Jensen & Jawahar L. Mehta Endothelial cell dysfunction as a novel therapeutic target in atherosclerosis |
| 91 | Hansson GK, Libby P, Schonbeck U, and Yan ZQ.  Innate and adaptive immunity in the pathogenesis of atherosclerosis. Circ Res 91: 281–291, 2002.48 |
| 92 | Hansson GK.  Inflammation, atherosclerosis, and coronary artery disease. N Engl J Med 352: 1685–1695, 2005 |
| 93 | Hsu W. T., Tsai L. Y., Lin S. K. et al.  Effects of diabetes duration and glycemic control on free radicals in children with type 1 diabetes mellitus  // Ann. Clin. Lab. Sci. — 2006. — Vol. 36. — P. 174—178. |
| 94 | Ignatowski A.  Wirkung de tierischen Nahrung auf den Kaninchenorganismus. Ber Milit-med Akad 16: 154–176, 1908 |
| 95 | Ishibashi S, Brown MS, Goldstein JL, Gerard RD, Hammer RE, and Herz J.  Hypercholesterolemia in low density lipoprotein receptor knockout mice and its reversal by adenovirus-mediated gene delivery.  J Clin Invest 92: 883–893, 1993. |
| 96 | Ishibashi S, Goldstein JL, Brown MS, Herz J, and Burns DK.  Massive xanthomatosis and atherosclerosis in cholesterol-fed low density lipoprotein receptor-negative mice.  J Clin Invest 93: 1885–1893, 1994. |
| 97 | Ishibashi S, Herz J, Maeda N, Goldstein JL, and Brown MS.  The two-receptor model of lipoprotein clearance: tests of the hypothesis in “knockout” mice lacking the low density lipoprotein receptor, apolipoprotein E, or both proteins. Proc Natl Acad Sci USA 91: 4431–4435, 1994. |
| 98 | Jesudason E.P., Masilamoni J.G., Jebaraj C.E. et al.  Efficacy of DL-alpha lipoic acid against systemic inflammation-induced mice: antioxidant defense system.  Mol Cell Biochem. 2008 Jun; 313(1–2): 113–23 |
| 99 | Jonasson L, Holm J, Skalli O, Bondjers G, and Hansson G.  Regional accumulations of T cells, macrophages, and smooth muscle cells in the human atherosclerotic plaque.  Atherosclerosis 6: 131–138, 1986. |
| 100 | Juonala M, Viikari JS, Laitinen T, Marniemi J, Helenius H, Rönnemaa T, Raitakari OT Interrelations between brachial endothelial function and carotid intima-media thickness in young adults: the cardiovascular risk in young Finns study. Circulation. 2004 Nov 2; 110(18):2918-23. |
| 101 | Kabbasch C, Bangard C, Liebig T, et al.  The dual layer Casper micromesh stent: taking advantage of flow-diverting capabilities for the treatment of extracranial aneurysm and pseudoaneurysms. Cardiovasc Intervent Radiol. 2016;39:472–6 |
| 102 | Kennedy L., Mehl T. D., Elder E. et al.  Nonenzymatic glycosylation of serum and plasma proteins // Diabetes. — 1982. — Vol. 31. — P. 52-56 |
| 103 | Kim HK, Jeong MH, Lim KS, Kim JH, Lim HC, Kim MC, Hong YJ, Kim SS, Park KH, Chang KS Effects of ticagrelor on neointimal hyperplasia and endothelial function, compared with clopidogrel and prasugrel, in a porcine coronary stent restenosis model. Int J Cardiol. 2017 Aug 1; 240():326-331. |
| 104 | Klein R. L., Laimins M., Lopes-Virella M. F.  Isolation, characterization, and metabolism of the glycated and nonglycated subfractions of low-density lipoproteins isolated from type I diabetic patients and nondiabetic subjects // Diabetes. — 1995. — Vol. 44. — P. 1093-1098. |
| 105 | Kolandaivelu K, Swaminathan R, Gibson WJ, Kolachalama VB, Nguyen-Ehrenreich KL, Giddings VL, Coleman L, Wong GK, Edelman ER Stent thrombogenicity early in high-risk interventional settings is driven by stent design and deployment and protected by polymer-drug coatings. 2011 Apr 5; 123(13):1400-9. Circulation. |
| 106 | Kolodgie FD, Narula J, Burke AP, Haider N, Farb A, Hui-Liang Y, Smialek J, and Virmani R.  Localization of apoptotic macrophages at the site of plaque rupture in sudden coronary death. Am J Pathol 157: 1259–1268, 2000. |
| 107 | Lanzino G, Mericle RA, Lopes DK, Wakhloo AK, Guterman LR, Hopkins LN Percutaneous transluminal angioplasty and stent placement for recurrent carotid artery stenosis. J Neurosurg. 1999 Apr; 90(4):688-94. |
| 108 | Leibowitz J.  The History of Coronary Disease. London: Wellcome Institute of the History of Medicine, 1970. |
| 109 | Libby P.  Inflammation in atherosclerosis. Nature 420: 868–874, 2002. |
| 110 | Lombo B, Díez JG Ticagrelor: the evidence for its clinical potential as an oral antiplatelet treatment for the reduction of major adverse cardiac events in patients with acute coronary syndromes. Core Evid. 2011; 6():31-42. |
| 111 | Lövblad K.O., Laubach H.J., Baird A.E. et al.  Clinical experience with diffusion-weighted MR in patients with acute stroke  // AJNR Am J Neuroradiol. – 1998. – Vol. 19(6). – P. 1061-6 |
| 112 | Ludmer PL, Selwyn AP, Shook TL, Wayne RR, Mudge GH, Alexander RW, Ganz P N  Paradoxical vasoconstriction induced by acetylcholine in atherosclerotic coronary arteries. Engl J Med. 1986 Oct 23; 315(17):1046-51. |
| 113 | Lusis AJ.  Atherosclerosis. Nature 407: 233–241, 2000. |
| 114 | Martin-Gallan P., Carrascosa A., Gussinye M., Dominguez C.  Biomarkers of diabetes-associated oxidative stress and antioxidant status in young diabetic  patients with or without subclinical complications // Free Radic. Biol. Med. — 2003. — Vol. 34. — P. 1563-1574 |
| 115 | Meigs J., Larson M., Fox C., Keaney J. et al.  Association of Oxidative Stress, Insulin Resistance,  and Diabetes Risk Phenotypes The Framingham Offspring Study // Diabetes Care. 2007; 30: 2529–2535. |
| 116 | Mohamed A.K., Bierhaus A., Schiekofer S. et al.  The role of oxidative stress and NF-kappaB activation in late diabetic complications  // Biofactirs. 1999; 10: 2–3: 157–167. |
| 117 | Moseley M.E., Kucharczyk J., Mintorovitch J. et al.  Diffusion-weighted MR imaging of acute stroke: correlation with  T2-weighted and magnetic susceptibilityenhanced MR imaging in cats // AJNR Am J Neuroradiol. – 1990. – Vol. 11(3). – Р. 423-9 |
| 118 | Müller-Hülsbeck S, Preuss H, Elhöft H.  CAS: which stent for which lesion. J Cardiovasc Surg (Torino) 2009;50:767–72 |
| 119 | Münzel T, Gori T, Bruno RM, Taddei S. Eur Heart J.  Is oxidative stress a therapeutic target in cardiovascular disease? 2010 Nov; 31(22):2741-8. |
| 120 | Mylona-Karayanni C., Gourgiotis D., Bossios A., Kamper E. F.  Oxidative stress and adhesion molecules in children with type 1 diabetes mellitus: a possible link  // Pediatr. Diabetes. — 2006. — Vol. 7. — P. 51-59. |
| 121 | Nakashima Y, Plump AS, Raines EW, Breslow JL, and Ross R.  ApoE-deficient mice develop lesions of all phases of atherosclerosis throughout the arterial tree.  Arterioscler Thromb 14: 133–140, 1994. |
| 122 | Nakazawa G, Finn AV, Vorpahl M, Ladich ER, Kolodgie FD, Virmani R J Am Coll Cardiol. Coronary responses and differential mechanisms of late stent thrombosis  attributed to first-generation sirolimus- and paclitaxel-eluting stents. 2011 Jan 25; 57(4):390-8. |
| 123 | Naylor AR, Ricco JB, de Borst GJ, Debus S, de Haro J, Halliday A, Hamilton G, Kakisis J, Kakkos S, Lepidi S, Markus HS, McCabe DJ, Roy J, Sillesen H, van den Berg JC, Vermassen F, Esvs Guidelines Committee, Kolh P, Chakfe N, Hinchliffe RJ, Koncar I, Lindholt JS, Vega de Ceniga M, Verzini F, Esvs Guideline Reviewers, Archie J, Bellmunt S, Chaudhuri A, Koelemay M, Lindahl AK, Padberg F, Venermo M  Editor's Choice -  Management of Atherosclerotic Carotid and Vertebral Artery Disease: 2017 Clinical Practice Guidelines of the European Society for Vascular Surgery (ESVS). Eur J Vasc Endovasc Surg. 2018 Jan; 55(1):3-81. |
| 124 | Nishikawa T., Edelstein D., Du X. L. et al.  Normalizing mitochondrial superoxide production blocks three pathways of hyperglycaemic damage  // Nature. — 2000. — Vol. 404. — P. 787-790. |
| 125 | Otsuka F, Finn AV, Yazdani SK, Nakano M, Kolodgie FD, Virmani R Nat Rev Cardiol.  The importance of the endothelium in atherothrombosis and coronary stenting.2012 May 22; 9(8):439-53. |
| 126 | Park K.G., Min A.K., Koh E.H. et al.  Alpha-lipoic acid decreases hepatic lipogenesis through adenosine monophosphate-activated protein kinase (AMPK)-dependent and AMPK-independent pathways. Hepatology. 2008 Nov; 48(5): 1477–86 |
| 127 | Pieniążek P, Tekieli L, Musialek P, et al.  Carotid artery stenting according to the tailored CAS algorithm is associated with a low complication rate at 30 days: data from the TARGET-CAS study. Kardiol Pol. 2012;70:378–86. |
| 128 | Plump AS, Smith JD, Hayek T, Aaltosetala K, Walsh A, Verstuyft JG, Rubin EM, and Breslow JL.  Severe hypercholesterolemia and atherosclerosis in apolipoprotein-E-deficient  mice created by homologous recombination in ES cells. Cell 71: 343–353, 1992. |
| 129 | Poole JC and Florey HW.  Changes in the endothelium of the aorta and the behaviour of macrophages in experimental atheroma of rabbits.  J Pathol Bacteriol 75: 245–251, 1958. |
| 130 | Quyyumi A. A.  Endothelial function in health and disease: new insights into the genesis of cardiovascular disease // Am. J. Med. — 1998. — Vol. 105. — P. 32S—39S. |
| 131 | Raines EW, Rosenfeld ME, Ross R. The role of macrophages. In: Fuster V, Ross R, Topol EJ, eds.  Atherosclerosis and coronary artery disease. Vol. 1. Philadelphia: Lippincott-Raven, 1996:539-55 |
| 132 | Reddick RL, Zhang SH, and Maeda N.  Atherosclerosis in mice lacking apo E. Evaluation of lesional development and progression.  Arterioscler Thromb 14: 141–147, 1994. |
| 133 | Roman Machnik,Piotr Paluszek, Łukasz Tekieli, Karolina Dzierwa, Damian Maciejewski, Mariusz Trystuła, Andrzej Brzychczy, Krzysztof Banaszkiewicz, Robert Musiał, and Piotr Pieniążek  Mesh-covered (Roadsaver) stent as a new treatment modality for symptomatic or high-risk carotid stenosis. Postepy Kardiol Interwencyjnej. 2017; 13(2): 130–134. Published online 2017 May 30. doi: [10.5114/pwki.2017.68139] PMCID: PMC5545667 |
| 134 | Ross R and Glomset JA.  The pathogenesis of atherosclerosis. N Engl J Med 295: 369–377; 420–425, 1976. |
| 135 | Ross R.  Atherosclerosis-an inflammatory disease. N Engl J Med 340: 115–126, 1999. |
| 136 | Ross R.  The biology of platelet-derived growth factor. Cell 46: 155–169, 1986. |
| 137 | Ross R. , Harker L.  Hyperlipidemia and atherosclerosis. Science , 1976 , 193:1094-1100. |
| 138 | Rus HG1, Niculescu F, Vlaicu R.  Tumor necrosis factor-alpha in human arterial wall with atherosclerosis. Atherosclerosis. 1991 Aug;89(2-3):247-54. |
| 139 | Sandison AT.  Degenerative vascular disease in the Egyptian mummy. Med Hist. 1962 Jan;6:77-81. |
| 140 | Sarah E Vermeer, William T Longstreth Jr, Peter J Koudstaal Silent brain infarcts: a systematic review  Lancet Neurol 2007; 6: 611–19 |
| 141 | Schmidt A. M., Hori O., Cao R. et al.  RAGE: a novel cellular receptor for advanced glycation end- products  // Diabetes. — 1996. — Vol. 45, Suppl. 3. — P. S77-S80. |
| 142 | Schmidt A. M., Yan S. D., Wautier J. L., Stern D.  Activation of receptor for advanced glycation end products: a mechanism for chronic vascular dysfunction in diabetic vasculopathy and atherosclerosis // Circ. Res. — 1999. — Vol. 84. — P. 489-497 |
| 143 | Schnaudigel S, Groschel K, Pilgrom SM, et al.  New brain lesions after carotid tenting versus carotid endarterectomy: a systemic review of the literature. Stroke. 2008;39:1911–9 |
| 144 | Schofer J, Musiałek P, Bijuklic K, et al.  A prospective, multicenter study of a novel mesh-covered carotid stent: The CGuard CARENET Trial (Carotid Embolic Protection Using MicroNet) JACC Cardiovasc Interv. 2015;8:1229–34. |
| 145 | Schofer J1, Musiałek P2, Bijuklic K3, Kolvenbach R4, Trystula M2, Siudak Z5, Sievert H6.  Focal ischemia of the brain after neuroprotected carotid artery stenting.  JACC Cardiovasc Interv. 2015 Aug 17;8(9):1229-1234. doi: 10.1016/j.jcin.2015.04.016.20 |
| 146 | Scott B., Aruoma O. et al.  Lipoic acid as antioxidants: A critical evaluation. Free Radicals Res 1994: 20: 119–33 |
| 147 | Standl E., Schnell O.  A new look at the heart in diabetes mellitus: from ailing to failing  // Diabeto- logia. — 2000. — Vol. 43. — P. 1455-1469 |
| 148 | Steinberg D, Parthasarathy S, Carew TE, Khoo JC, and Witztum JL.  Beyond cholesterol. Modifications of low-density lipoprotein that increase its atherogenicity.  N Engl J Med 320: 915–924, 1989. |
| 149 | Stevens V. J., Rouzer C. A., Monnier V. M., Cerami A.  Diabetic cataract formation: Potential role of glycosylation of lens crystallins  // Proc. Natl. Acad. Sci. USA. — 1978. — Vol. 75. — P. 2918-2922. |
| 150 | Thyberg J, Hedin U, Sjölund M, Palmberg L, Bottger BA Arteriosclerosis. Regulation of differentiated properties and proliferation of arterial smooth muscle cells.  1990 Nov-Dec; 10(6):966-90. |
| 151 | Torii S, Cheng Q, Mori H, Lipinski MJ, Acampado E, Perkins LEL, Hossainy SF, Pacetti SD, Kolodgie FD, Virmani R, Finn AV Acute thrombogenicity of fluoropolymer-coated versus biodegradable and polymer-free stents. EuroIntervention. 2019 Mar 20; 14(16):1685-1693. |
| 152 | Van der Wal AC, Becker AE, van der Loos CM, and Das PK.  Site of intimal rupture or erosion of thrombosed coronary atherosclerotic plaques is characterized by an inflammatory process irrespective of the dominant plaque morphology. Circulation 89: 36–44, 1994. |
| 153 | Virchow R.  Phlogose und Thrombose im Gefassystem. In: Gesammelte Abhanndlungen zür wissenschaftlichen Medizin. Frankfurt-am-Main: F. Meidinger Sohn, 1856, p. 458–521. |
| 154 | Virmani R, Burke AP, and Farb A.  Plaque rupture and plaque erosion. Thromb Haemost 82 Suppl 1: 1–3, |
| 155 | Virmani R, Kolodgie FD, Burke AP, Farb A, and Schwartz SM.  Lessons from sudden coronary death: a comprehensive morphological classification scheme for atherosclerotic lesions. Arterioscler Thromb Vasc Biol 20: 1262–1275, 2000. |
| 156 | Watanabe Y.  Serial inbreeding of rabbits with hereditary hyperlipidemia (WHHL-rabbit). Atherosclerosis 36: 261–268, 1980. |
| 157 | Weissberg PL, Clesham GJ, and Bennett MR.  Is vascular smooth muscle cell proliferation beneficial? Lancet 347: 305–307, 1996. |
| 158 | Wilentz JR, Sanborn TA, Haudenschild CC, Valeri CR, Ryan TJ, Faxon DP Circulation. Platelet accumulation in experimental angioplasty: time course and relation to vascular injury. 1987 Mar; 75(3):636-42. |
| 159 | Wisgot C, Schmidt W, Brandt C, et al.  Preliminary clinical results and mechanial behavior of a new double-layer carotid stent. Endovasc Ther. 2015;22:634–9. |
| 160 | Yasushi Matsuzawa, MD, PhD,1 Raviteja R. Guddeti, MD,1 Taek-Geun Kwon, MD, PhD,1 Lilach O. Lerman, MD, PhD,2 and Amir Lerman, MD1 Treating Coronary Disease and the Impact of Endothelial Dysfunction Published in final edited form as: Prog Cardiovasc Dis. 2015 Mar-Apr; 57(5): 431–442. |
| 161 | Zhang SH, Reddick RL, Piedrahita JA, and Maeda N.  Spontaneous hypercholesterolemia and arterial lesions in mice lacking apolipoprotein-E. Science 258: 468–471, 1992. |
| 162 | Меньщикова Е.Б., Зенков Н.К., Ланкин В.З., Бондарь И.А., Труфакин В.А. Окислительный стресс. Патологические состояния и заболевания — Новосибирск : Сибирское университетское издательство, 2017. — 284 c. — ISBN 978-5-379-02032-3 |
| 163 | Раскуражев, Антон Алексеевич  Асимптомные стенозы внутренних  сонных артерий: биомаркеры  атерогенеза : диссертация ... кандидата  медицинских наук : 14.01.11 Москва  2015 |
| 164 | Проспективный анализ маркеров воспалительной реакции и дисфункции эндотелия у больных стабильной и нестабильной стенокардией при гемодинамически значимом коронарном стенозе после ангиопластики со стен : диссертация ... кандидата медицинских наук : 14.01.05 / Дементьева Наталья Владимировна; [Место защиты: ГОУВПО "Тюменская государственная медицинская академия"]. - Тюмень, 2013. |
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