[1]陈伟伟,高润霖,刘力生,朱曼璐,王文,王拥军,吴兆苏,李惠君,顾东风,杨跃进,郑哲,蒋立新,胡盛寿. 《中国心血管病报告2015》概要[J]. 中国循环杂志,2016,06:521-528.

[2]记者 王平 通讯员 尹沅沅 邢永田. 心血管病成健康“第一杀手”[N]. 河南日报,2016-11-14003.

[3]朱明星,李北方,刘仁光. 常规心电图——立体心电图应用研究现状[J]. 心血管病学进展,2010,04:612-616.

[4]杜鹏飞. 心电信号的预处理及特征提取算法研究[D].郑州大学,2015.

[5]季虎. 心电信号自动分析关键技术研究[D].国防科学技术大学,2006.

[6]孟欢欢. 心电信号自动分析的几种算法研究[D].清华大学,2014.

[7] Pan J, Tompkins W J. A real-time QRS detection algorithm. Biomedical Engineering, IEEE Transactions on, 1985 (3): 230-236.

[8] Chen H C, Chen S W. A moving average based filtering system with its application to real-time QRS detection [C]. Computers in Cardiology, 2003. IEEE, 2003: 585-588.

[9] Tarassenko L, Clifford G, Townsend N. Detection of ectopic beats in the electrocardiogram using an auto-associative neural network. Neural Processing Letters, 2001, 14(1): 15-25.

[10] Mehta S S, Lingayat N S. Development of SVM based classification techniques for the delineation of wave components in 12-lead electrocardiogram. Biomedical Signal Processing and Control, 2008, 3(4): 341-349.

[11]司徒志强,王明飞,张晶晶. 心电图ST-T改变对冠心病的诊断价值[J]. 当代医学,2011,(17):88-89.

[12]Minchole A, Skarp B, Jager F, et al. Evaluation of a root mean squared based ischemia detector on the long-term ST database with body position change cancelation. Comput Cardiol, 2005, 32: 853–856

[13]Stadler R, Lu S, Nelson S, et al. A real-time ST-segment monitoring algorithmfor implantable devices. J Electrocardiol, 2011, 34: 119–126

[14]Garcia J, Sornmo L, Olmos S, et al. Automatic detection of ST-T complex changes on the ECG using filtered RMS difference series: application to ambulatory ischemia monitoring. IEEE Trans Biomed Eng, 2000, 47: 1195–1201

[15]Smrdel A, Jager F. Automated detection of transient ST-segment episodes in 24h electrocardiograms. Med Biol Eng Comput, 2004, 42: 303–311

[16] Maglaveras N, Stamkopoulos T, Pappas C, et al. An adaptive backpropagation neural network for real-time ischemia episodes detection: development and performance analysis using the European ST-T database. IEEE Trans Biomed Eng, 1998, 45: 805–813

[17] Papaloukas C, Fotiadis D I, Likas A, et al. An ischemia detection method based on artificial neural networks. Artif Intell Med, 2002, 24: 167–178

[18] Afsar F A, Arif M, Yang J. Detection of ST segment deviation episodes in ECG using KLT with an ensemble neural classifier.

[19] Exarchos T P, TsipourasM G, Exarchos C P, et al. A methodology for the automated creation of fuzzy expert systems for ischaemic and arrhythmic beat classification based on a set of rules obtained by a decision tree. Artif Intell Med, 2007, 40: 187–200

[20] Cong WANG, Xunde DONG. A new method for early detection of myocardial ischemi- a:cardiodynamicsgram(CDG)[J]. Science China(Information Sciences), 2016, 01: 95-105.

[21]姚成. 心电信号智能分析关键技术研究[D].吉林大学,2012.

[22]Tom White. Hadoop: The definitive guide[M]. 4th edition. United States: O’Reilly Media, Inc. 2012.

[23]Sanjay Ghemawat, Howard Gobioff, Shun-Tak Leung. The Google File System[J]. ACM SIGOPS operating systems review, 2003, 37(5): 29-43.

[24]ng F., Dean J., Ghemawat S., Hsieh WC., Wallach DA., Burrows M., et al. Bigtable: A Distributed Storage System for Structured Data[J]. OSDI’06: Seventh Symposium on Operating System Design and Implementation, Seattle, WA, November, 2006. 2006. p. 205--218.

[25]Megastor

[26] Corbett James C, Dean Jeffrey, Epstein Michael, et al. Spanner: Google's Globally-Distributed Database[J]. Proceedings of OSDI 2012, Google, retrieved 18 September 2012.

[27] Jeffrey Dean, Sanjay Ghemawat. MapReduce: Simplified Data Processing on Large Clus- ters[J]. Communications of the ACM, 2008, 51(1): 107-113.

[28]罗旭,刘友江. 医疗大数据研究现状及其临床应用[J]. 医学信息学杂志,2015,(05):10-14.

[29]高汉松,肖凌,许德玮,桑梓勤. 基于云计算的医疗大数据挖掘平台[J]. 医学信息学杂志,2013,(05):7-12.

[30]徐凯田. 基于大数据的智慧移动医疗信息系统结构研究[D].青岛科技大学,2015.

[31]袁胜. 基于Hadoop的心肌缺血辅助诊断工作站的设计及实现[D].华南理工大学,2016.

[32]周仁义. 心电信号处理关键技术的研究与实现[D].东北大学,2014.

[33]卢志强,张艳军,崔广智,庄朋伟,张金保. 心肌缺血模型的制作方法研究进展[J]. 中国药理学通报,2012,(08):1053-1057.

[34] Roger V.L., Go A.S., Lloyd-Jones D.M., et al. Heart disease and stroke statistics—2011 update a report from the American Heart Association[J]. Circulation, 2011, 123(4): 18-209

[35]朱明星,李北方,刘仁光. 常规心电图——立体心电图应用研究现状[J]. 心血管病学进展,2010,(04):612-616.

[36]陈清启. 心电向量图在心肌梗死诊断和鉴别诊断中的优势[J]. 江苏实用心电学杂志,2013,(03):617-624.

[37] 毛玲,张国敏.心电图ST段形态分析方法研究[J].信号处理, 2009, 09: 1360-1365.

[38] Zhao Shen, Chao Hu. An algorithm of ST segment classification and detection[A]. IEEE International Conference on Automation and Logistics[C]. New York: IEEE, 2010: 559- 564.

[39] Daniel Lemire, Chantal Pharand.Wavelet time entropy T wave morphology and myocar- dial ischemia[J]. IEEE Trans Biomed Eng, 2000, 47(7): 967-970.

[40]任莉娜,齐国先. T波电交替的研究进展[J]. 心血管病学进展,2011,(01):107-111.

[41] Bruce D. Nearing, Richard L. Verrier. Modified moving average analysis of T-wave alternans to predict ventricular fibrillation with high accuracy. Journal of Applied Physiology[J] Feb 2002, 92 (2) 541-549

[42]田景坤. 基于确定学习的心肌缺血早期检测技术研究及C++实现[D].华南理工大学,2016.

[43] Cong Wang, David J.Hill. Learning From Neural Control[J]. IEEE Trans Neural Netw, 2006, 17(1): 130-146.

[44] Wang C, Hill D J. Deterministic learning theory for identification, recognition, and con-trol[M]. United States: CRC Press, 2009.

[45]吴玉香,王聪. 基于确定学习的机器人任务空间自适应神经网络控制[J]. 自动化学报,2013,06:806-815.

[46] 曾玮.基于确定学习理论的人体步态识别研究[D].广州: 华南理工大学, 2012.

[47] 文彬鹤.基于确定学习理论的轴流压气机旋转失速建模与检测[D].广州: 华南理工 大学, 2013.

[48] 陈填锐,确定学习理论与智能振动故障诊断[D].广州: 华南理工大学, 2010.

[49] 刘明星.心肌缺血检测的实用系统开发[D].广州: 华南理工大学, 2015.

[50] Kurdila A.J., Narcowich F.J., Ward J.D. Persistancy of excitation in identification using radial basis function approximants[J]. SIAM J. Control and Optimization, 1995, 33(2): 625-642.

[51] Liu Tengfei, Cong Wang. Deterministic learning and rapid dynamical pattern recognition of discrete-time systems[A]. IEEE International Symposium on Intelligent Control[C]. New York: IEEE, 2008: 1091-1096.

[52]文斯民. 基于确定学习的心肌缺血早期诊断系统的配套信息管理系统的开发[D].华南理工大学,2016.

[53]靳永超,吴怀谷. 基于Storm和Hadoop的大数据处理架构的研究[J]. 现代计算机(专业版),2015,04:9-12.

[54]张俊林. 大数据日知录: 架构与算法[M]. 第1版. 北京: 电子工业出版社, 2014.

[55]R. Ruan, M. Deng and C. Wang, "Implementation of a flexible and extensible clinical data management system for cardiovascular disease," 2016 35th Chinese Control Conference (CCC), Chengdu, 2016, pp. 9394-9399.

[56] Alexandros Dallas. RESTful Web Services with Dropwizard[M]. Packt Publishing, 2014.

[57]邱祝文. 基于redis的分布式缓存系统架构研究[J]. 网络安全技术与应用,2014,10:52+54.

[58]王利萍. 基于Nginx服务器集群负载均衡技术的研究与改进[D].山东大学,2015.

[59]屈国庆. 基于Storm的实时日志分析系统的设计与实现[D].南京大学,2016.