

CV of Ekaterina Kldiashvili, PhD

Name: Ekaterina Kldiashvili

Date of Birth: 29 September, 1973

Education: 1990-1995 Tbilisi State University, Faculty of Biology (Cell and Molecular Biology)
2002, Tbilisi State Medical Academy, Chair of Oncology, Fellowship in Cytologic Diagnosis of Tumors
2003, State Certificate in Laboratory Medicine (Clinical Cytology)
2003, Ph.D. in Histology, Cytology and Embryology
2014, Hologic Inc., Short-Term Training of Gynecology Liquid Based Cytology (Rome, Italy)

Work Experience: 1993-1996 Assistant Professor, Tbilisi State University, Faculty of Biology
1996-1997 Virologist, Republic Center of AIDS and Clinical Immunology
1997-2003 Ph.D. student at Chair of Pathology of Tbilisi State Medical University
2004 till present, Executive Director, Georgian Telemedicine Union (Association)
2005-2008, Head, eHealth Group, Rehabilitation Center
2006-2008 Head and Lecturer of 14 CME programs
2007-2013, Cytologist, Maternal and Child Care Union
2008-2009, Head of Laboratory, Medical Center “Neoclinic”
2009-2010, Head of Laboratory, Maternal and Child Care Union
2010-2013, Head of Laboratory, Ltd “Neolab”
2013-2014, Head of Laboratory, Medical Center “TestDiagnostics”
2013-2016, Associate Professor, University “New Vision”
2015, Head of Molecular Pathology and Early Diagnostics Center, “New Vision” University Hospital
2016-2018, Professor, University “New Vision”
2017 till present, Head of Department of Grants and Programs Management, Evaluation and Analysis, Shota Rustaveli National Science Foundation of Georgia
2018 till present, Professor, Petre Shotadze Tbilisi Medical Academy

Professional Skills: ELISA, PCR, microscopy – light, fluorescence, electron, cytology – conventional, liquid based; computer skills (Word, PowerPoint, Excel, FrontPage, Adobe Acrobat, Photoshop, and etc.)

Foreign Languages Ability: Georgian – native; English – excellent; Russian – excellent.

Conferences: Med-e-Tel 2004 (Luxembourg); Med-e-Tel 2005 (Luxembourg); Telemedicine Week 2005 (Institute of Tropical Medicine, Antwerp, Belgium); II International Seminar on Telemedicine (Ukraine, 2006); Med-e-Tel 2006 (Luxembourg); Telemedicine Conference in South Africa (2006); Med-e-Tel 2007 (Luxembourg); Med-e-Tel 2008 (Luxembourg); Med-e-Tel 2010 (Luxembourg); 2nd Pathology Conference and Exhibition (Las Vegas, USA, 2013); The Pathology 2014 (London, UK, 2014); Pathology 2015 (London, UK); Improving techniques and technology for cellular and molecular pathology (2016, UK)

Funding: 2005-2007 “Virtual Health Care Knowledge Center in Georgia”, NATO Networking Infrastructure Grant ICS.EAP.NIG. 981489 (in collaboration with Dr. Thomas Schrader, Charite Clinic, Berlin, Germany);
2005-2006 “A System to Fight HIV/AIDS, Malaria, Tuberculosis with a Help of Info-Communication Technologies”, Tender of Black Sea Economic Cooperation Board of Senior Officials
2007-2011 “Telepathology Network in Europe: EURO-TELEPATH”, COST Action IC0604
2007-2009 “ePathology – Virtual Pathology Center in Georgia as the Continuation of Virtual Health Care Center”, NATO Networking Infrastructure Grant EAP.NIG 982728
2009 “Development and implementation of program for personal and professional development of women scientists in Georgia”, Elsevier Foundation
2009 “Virtual laboratory – Scientific-public lectures for public schools”, Georgian National Science Foundation
2009-2011 “Pathology Information System – Pilot Implementation of Clinical Information System as the Continuation of Virtual Health Care Center”, NATO Networking Infrastructure Grant EAP.NIG 983690
2009-2011 “Prevalence and awareness of Human Papillomavirus (HPV) infection among Georgian women”, Georgian National Science Foundation
2012-2013 “Building Health Bridges”, UMCOR, S-GE800-12-GR-174
2013-2016 “Morphology Online Quality Assurance Program”, Shota Rustaveli National Science Foundation, #31/05
2013-2014 "Expanding Health Bridges", UMCOR, SPRMCO13CA1118
2014-2015 "Cervical Cancer Screening Using Telemedicine Resource in Georgia", 700 for Science, #007G
2016 “Information Management System as an Effective Tool for Standardization of in vitro Diagnostics”, Twinning Application 011
2016 “AutismNet – The twinning Approach for Autism Research”, Twinning Application 004
2016 “Molecular Pathology Based Cervical Cancer Screening in Georgia”, Kelly-Landes Foundation #011G
2016 “HPV and cancer – modern aspect”, Twinning Application 002
2016 “Actual topics of cancer – immune escape, recurrence, and metastasis”, Twinning Application 003
2017, Kelly-Landes Foundation #023G, “Pilot of Pharmacogenetics Approach in Georgia”, Principal Investigator

Membership: National member of International Society for Telemedicine and eHealth; Active member of Tuberculosis Education and Training Network; Member of Society of Teledermatology

Organized Events: “Telepathology” – Distance Lecture given by **Dr. Francisco Guillermo La Rosa**, Assistant Professor & Chair Pathology Informatics Committee, Department of Pathology, University of Colorado at Denver, HSC, and Director TelePathology Consultants, PC at 1 June, 2004, Tbilisi, Georgia

“**New Developments in Digital Pathology: from Telepathology to Virtual Pathology Laboratory**” – Lecture given by **Professor Klaus Kayser**, President of International Academy of Telepathology, Director of UICC-TPCC server (Institute of Pathology, Charite, Berlin, Germany) at

10 June, 2005, Tbilisi, Georgia

“**Telemedicine Days in West Georgia**” – Continuous Medical Education Cycle and Distance Lectures given by **Dr. Francisco Guillermo La Rosa**, Assistant Professor & Chair Pathology Informatics Committee, Department of Pathology, University of Colorado at Denver, HSC, and Director TelePathology Consultants, PC and **Professor Michael Nerlich**, Full Professor of Trauma Surgery, Dean of the Medical Faculty of University of Regensburg, President of the International Society for Telemedicine and eHealth at 17-18 June, 2006, Kutaisi, Georgia

“**Videoconference Batumi – Tbilisi**” – Presentation of application of modern technology for healthcare purposes given by **Mr. Alexander Mgaloblishvili**, Director of “Future Technologies” at 20 October, 2006, Batumi, Adjara

CME: 2006-2008, Author and leader of 14 CME programs.

List of Dr. Ekaterine Kldiashvili Main Publications

1. **Kldiashvili E.** The Potentials of Telemedicine in Georgia. Ukrainian Journal of Telemedicine and Medical Telematics, 2004, vol.2, N2.
2. Kldiashvili T., **Kldiashvili E.** The usefulness of Telepathology in Georgia. Ukrainian Journal of Telemedicine and Medical Telematics, 2004, vol.2, N2.
3. **Kldiashvili E.**, Tavzarashvili I., Kldiashvili T. The First Step in the Field of TelePathology. Experimental & Clinical Medicine, 2005, N2.
4. **Kldiashvili E.** eLearning - Realities and Perspectives. Ukrainian Journal of Telemedicine and Medical Telematics, 2005, vol.3, N2.
5. **Kldiashvili E.**, Berishvili T. Telemedicine in Georgia. International Telecommunication Union – Making Better Access to Healthcare Services. October, 2005.
6. **Kldiashvili E.** Opportunities and Challenges of eHealth – Interconnectivity for Healthcare Services. Ukrainian Journal of Telemedicine and Medical Telematics, 2006, vol.4, N1.
7. Didava G., **Kldiashvili E.** Telemedicine in Morphology Diagnostic. Ukrainian Journal of Telemedicine and Medical Telematics, 2006, vol.4, N2.
8. Kevlishvili D., **Kldiashvili E.** Organization of Continuous Medical Education through Distance Education. Ukrainian Journal of Telemedicine and Medical Telematics, 2006, vol.4, N2.
9. **Kldiashvili E.**, Berishvili T. eHealth / Telemedicine in Georgia. Advances in International Telemedicine and eHealth (2006).
10. **Kldiashvili E.**, Didava G. Distance Education in Pathology. Ukrainian Journal of Telemedicine and Medical Telematics, 2007, vol.5, N1.
11. **Kldiashvili E.**, Kevlishvili D. Distance Education in Georgia. Ukrainian Journal of Telemedicine and Medical Telematics, 2007, vol.5, N2.
12. Schrader T., **Kldiashvili E.**, Berndt M.-O. Organizational Impact and Exploitation of the One Year Experience Results of the NATO Networking Infrastructure Grant “Virtual Health Care Knowledge Center in Georgia” for Telemedicine and Medical Training. Ukrainian Journal of Telemedicine and Medical Telematics, 2007, vol.5, N3.
13. **Kldiashvili E.**, Schrader T., Berndt M.-O. The Model of Web-Based Continuing Medical Education System Created by the NATO Networking Infrastructure Grant “Virtual Health Care Knowledge Center in Georgia”. Ukrainian Journal of Telemedicine and Medical Telematics, 2007, vol.5, N3.

14. **E. Kldiashvili.** The Application of Virtual Hospital Approach for Bio-Defense and Infections Control Purposes. *Telemedicine and e-Health*, January/February 2008.
15. **E. Kldiashvili.** *Telemedicine for Pathology. Current Principles and Practices of Telemedicine and e-Health.* IOS Press, 2008.
16. T. Schrader, **E. Kldiashvili.** Virtual Health Care Center in Georgia. *Diagnostic Pathology*, 2008; 3 (Suppl 1): S4. Published online 2008 July 15. DOI: 10.1186/1746-1596-3-S1-S4. <http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2500110>
17. A. Burduli, G. Ghortlishvili, **E. Kldiashvili.** Georgia Clinical Infosystems Goes Live. *J Healthcare IT Management*, 2008, 3(4): 29-30.
18. A. Burduli, I. Sheklashvili, G. Ghortlishvili, **E. Kldiashvili.** The Application of Medical Databases for eLearning. *Ukrainian Journal of Telemedicine and Medical Telematics*, 2008, vol.6, N3.
19. A. Burduli, I. Sheklashvili, G. Ghortlishvili, **E. Kldiashvili.** Organization Principle of Medical Databases. *Ukrainian Journal of Telemedicine and Medical Telematics*, 2009, vol.7, N1.
20. **E. Kldiashvili,** T. Schrader. Implementation of Telepathology in the Republic of Georgia. *Telemedicine and eHealth*, May 2009, vol.15, No4, pp.325-329. DOI: 10.1089/tmj.2008.0146.
21. **E. Kldiashvili,** K.R. Shroyer, M. Butsashvili, G. Kamkamidze, M. Kajaia, M. Topuridze. Implementation of Pap Test in the Republic of Georgia for Cervical Screening. *Ukrainian Journal of Telemedicine and Medical Telematics*, 2009, vol.7, N2.
22. **E. Kldiashvili,** T. Schrader, A. Burduli, G. Ghortlishvili. Application of medical information system (MIS) for telepathology – Georgian experience. *Telemedicine and eHealth*, August 6 2010, vol. 16, issue 6, pp.699-704. DOI: 10.1089/tmj.2010.0022.
23. **E. Kldiashvili,** T. Schrader. Diagnostic accuracy and image quality using a USB digital eyepiece camera for telecytology – Georgian experience. *Telemedicine and eHealth*, Dec 2010, vol. 16, issue 10, pp.1051-1052. DOI: 10.1089/tmj.2010.0079.
24. RA. Bednarczyk, **E. Kldiashvili,** M. Butsashvili, G. Kamkamidze, LA. McNutt. Descriptive epidemiology of Pap test results from women with gynaecologic symptoms in Georgia. *Int J Gyneacol Obstet*, Mar 2011, 112(3):245-246.
25. **E. Kldiashvili.** Grid technologies for e-Health: Applications for telemedicine services and delivery. IGI Global 2011.
26. **E. Kldiashvili,** T. Schrader. Reproducibility of telecytology diagnosis of cervical smears in a quality assurance program: the Georgian experience. *Telem J E Health*, 2011 Sep; 17(7): 565-8.
27. G. Kamkamidze, M. Butsashvili, **E. Kldiashvili,** D. Agladze, M. Kajaia, M. Topuridze, L.A. McNutt. HPV seroprevalence and genotypic distribution among Georgian women. 27th Clinical Virology Symposium materials, May 8-11, 2011 Daytona Beach, Florida, USA.
28. **E. Kldiashvili.** The cloud computing as the tool for implementation of virtual organization technology for eHealth. *Journal of Information Technology Research*, 5(1), 18-34, January-March 2012.
29. **E. Kldiashvili.** Implementation of Telecytology in Georgia. *Telehealth Networks for Hospital Services: New Methodologies.* IGI Global, 2013.
30. **E. Kldiashvili.** Implementation of Telecytology in Georgia for Quality Assurance Programs. *Journal of Information Technology Research*, 6(2), 24-46, April-June 2013.
31. M. Butsashvili, T. Abzianidze, M. Kajaia, D. Agladze, **E. Kldiashvili,** R. Bednarczyk, L.A. McNutt, G. Kamkamidze. Seroprevalence and awareness of human papillomavirus infection and cervical cancer screening results among reproductive-aged Georgian women. *J Fam Plann Reprod Health Care.* DOI:10.1136/jfprhc-2013-100833

32. **E. Kldiashvili.** Application of the Cloud Computing for the Effective Implementation of the Medical Information System. *International Journal of Natural Computing Research*. Vol 4, issue 3, July 2014: DOI 10.4018/ijncr.2014070103.
33. **E. Kldiashvili.** Application of a Medical Information System for Image-Based Second Opinion Consultations: Georgian Experience. *International Journal of Reliable and Quality E-Healthcare*. Vol 4, issue 3, July 2015: DOI 10.4018/IJRQEH.2015070102
34. **E. Kldiashvili, A. Burduli, G. Ghortlishvili.** Application of Digital Imaging for Cytopathology under Conditions Georgia. *AIMS Medical Science*, 2(3), 213-226, 2015. DOI: 10.3934/medsci.2015.3.213
35. **E. Kldiashvili, A. Burduli, G. Ghortlishvili, I. Sheklashvili.** Georgian experience in telecytology. *Encyclopedia of E-Health and Telemedicine*, pp.62-71, DOI: 10.4018/978-1-4666-9978-6.ch006
36. **E. Kldiashvili, S. Bojgva.** Application of chromogenic in situ hybridization (CISH) for human papillomavirus (HPV) genotyping. *Archives of Cancer Research*, 2016, vol 4, No 2:70.
37. **E. Kldiashvili, S. Bojgva.** Liquid based cytology cervical cancer screening program – Georgian experience. *AIMS Medical Science*, 3(3): 272-277, 2016. DOI: 10.3934/medsci.2016.3.272
38. **E. Kldiashvili, S. Bojgva.** Modern approach to cervical cancer screening program – Georgian experience. *International Clinical Pathology Journal*, 2016, 2(6): 00061; DOI: 10.15406/icpjl.2016.02.00061
39. **S. Bojgva, E. Kldiashvili.** Liquid based cytology cervical cancer screening program – Georgian experience. *Archives of Cancer Research*, 2016, vol 4, No 3:89.
40. **E. Kldiashvili, S. Bojgva.** Pilot of modern cervical cancer screening approach in Georgia. *BOAJ Gynaecology*, 2017, 2:012.
41. **E. Kldiashvili, N. Shakulashvili.** Digital cytology as the tool for organization of cytology online quality assurance programs. *IJRQEH*, 2017, vol. 7, issue 1
42. **E. Kldiashvili, L. Bokuchava.** Molecular background of cancer recurrence. *Oncology and Cancer Case Reports*, 2017, 3:2, DOI: 10.4172/2471-8556.1000131
43. **E. Kldiashvili, L. Bokuchava, T. Samadashvili, S. Bojgva, D. Agladze.** Key aspects on cancer immunology. *J Cancer Oncology*, 2017, 1(1):000106
44. **E. Kldiashvili, A. Romanovs, N. Shakulashvili, A. Burduli, G. Ghortlishvili, D. Agladze.** Organization and implementation of online cytology quality assurance program - Georgian experience. *ECCE*, 2017, 12: 40-44, doi: 10.1515/ecce-2017-0006
45. **E. Kldiashvili, L. Bokuchava, S. Bojgva, D. Agladze.** Key aspects on cancer immunology. *MOJ Cell Science and Report*, 2018, vol 5, issue 2, 23-29.
46. **E. Kldiashvili.** FOXP3 gene and cancer. *Cancer Science and Cell Biology*, 1:002(2018).
47. **E. Kldiashvili, N. Shakulashvili, A. Burduli, G. Ghortlishvili, I. Sheklashvili, D. Agladze.** Georgia: Telemedicine/eHealth Projects and Achievements. *A century of telemedicine: Curatio sine distantia et tempora. A world wide overview - Part II* (2018), pp. 64-91.