


## Curriculum Vitae

Name	Sung-Eun Cho			
First Name	Sung-Eun	Last Name	Cho	
Country	Korea			
Organization	GC Labs ESAC (Endocrine Substance Analysis Center)			
Current Position	Director of ESAC, Medical Director of Department of Laboratory Medicine			

### Educational Background

- Ewha Womans University School of Medicine, Laboratory Medicine, **Ph.D.** 2006
- Ewha Womans University School of Medicine, Laboratory Medicine, **M.S.** 2002
- Ewha Womans University School of Medicine, **M.D.**, B.S. 1998

### Professional Experiences

- GC Labs, Director of ESAC (2023.1-Present)
- GC Labs, Medical Director of Department of Laboratory Medicine, Special Chemistry (2021.3.-2022.12.)
- LabGenomics, Director (2013.8.-2021.2.)
- VA hospital, UCSD, CA, USA, Research Fellow (2012.8.-2013.7.)
- Eone Reference Laboratory, Vice President (2007.3.-2012.7.)
- Ewha Womans University School of Medicine, Laboratory Medicine,  
Fellow & Clinical Assistant Professor (2003.3.-2007.2.)

### Professional Organizations

- Finance Chair of the Cherry Blossom Symposium (CBS) 2024 (The 13<sup>th</sup> International Conference of Clinical Laboratory Automation 2024) (2022-Present)
- Supervisor (Auditor) of Laboratory Medicine Foundation (LMF) (2022-Present)
- Treasurer of Korean Society of Clinical Chemistry (KSCC) (2019-Present)
- Program Manager of Neonatal Screening Test (NST) proficiency testing in Korean Association of External Quality Assessment Service (KAEQAS) (2022-Present)
- Board Member of IFCC WorldLab SEOUL 2020 Scientific Program Committee (SPC) (2018-2022)

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- **Director of Laboratory Management Affairs in Korean Society for Laboratory Medicine (KSLM) (2019-2021)**
  - **Treasurer of LMF (2016-2019)**
  - **Board Member of KSCC ; International Committee Chair (2013-2018) & Treasurer (2009-2012)**
  - **Finance Chair of the Cherry Blossom Symposium (The 10<sup>th</sup> International Conference of Clinical Laboratory Automation, 2016) (2015-2016)**
  - **Secretary of Laboratory Management Affairs in KSLM (2015-2018)**
  - **Secretary of Scientific Affairs in KSLM (2012)**
  - **Secretary of Scientific Affairs in KAEQAS (2011-2012)**
  - **Member of Organizing Committee of Spring Symposium in KSLM (2011, 2012)**
  - **Member of Organizing Committee of Annual Meeting in KSLM (2007)**
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#### **Current Scientific Publications**

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- **Evaluation of test standardization for 25-OH vitamin D immunoassays (Lab Med Online 2024;14:8-16)**
  - **Multicenter comparison of analytical interferences of 25-OH vitamin D immunoassay and mass spectrometry methods by endogenous interferents and cross-reactivity with 3-epi-25-OH-vitamin D<sub>3</sub> (Pract Lab Med 2023;38:e00347)**
  - **Evaluation of a robotic liquid handler, Andrew+, for sample preparation for LC-MS/MS-based quantitation of immunosuppressants in whole blood (Lab Med Online 2023;13:199-204)**
  - **Effects of endocrine-disrupting chemicals on human health (Lab Med Online 2023;13:129-40)**
  - **Clinical usefulness of ultraperformance liquid chromatography-tandem mass spectrometry method for low serum testosterone measurement (Ann Lab Med 2023;43:19-28)**
  - **Implementation and validation of an ultra-high performance liquid chromatography-tandem mass spectrometry method for levetiracetam and lamotrigine quantification in serum specimens (Lab Med Qual Assur 2022;44:226-9)**
  - **Recent information on vitamin D deficiency in an adult Korean population visiting local clinics and hospitals (Nutrients 2022;14:1978-85)**
  - **Commutability assessment of frozen human serum pools for external quality assessment of tumor markers (Lab Med Qual Assur 2022;44:111-20)**
  - **Implementation and validation of a gas chromatography-mass spectrometry method for pristanic acid and phytanic acid quantification in plasma specimens (Lab Med Qual Assur 2021;43:162-5)**
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- A Questionnaire survey on general status and opinions about clinical mass spectrometric analysis in Korea (2018) (Lab Med Online 2019;9:161-5)
  - Use of liquid chromatography-tandem mass spectrometry for clinical testing in Korean laboratories; a Questionnaire survey (Ann Lab Med 2019;39:447-53)
  - Evaluation of the MULTISURE HIV rapid test in a Korean population with low human immunodeficiency virus prevalence (Clin Chem Lab Med 2019;57:e189-91)
  - Measurement of serum 3-epi-25-hydroxyvitamin D3, 25-hydroxyvitamin D3 and 25-hydroxyvitamin D2 in infant, paediatric and adolescent populations of Korea using ultra-performance liquid chromatography-tandem mass spectrometry (Ann Clin Biochem 2017;54:530-8)
  - Triplex tandem mass spectrometry assays for the screening of 3 lysosomal storage disorders in a Korean population (Clin Chim Acta 2016;454:20-7)
  - Neonatal screening tests for inherited metabolic disorders using tandem mass spectrometry: Experience of a clinical laboratory in Korea (Lab Med Online 2015;5:196-203)
  - Clinical study of non-invasive prenatal testing using next-generation sequencing (J Lab Med Qual Assur 2015;37:214-8)
  - Seroepidemiological study of recent hepatitis A in South Korea: Nationwide study of the Eone reference laboratory (J Epidemiol 2013;23:270-4)
  - Fecal carriage of extended-spectrum beta lactamase producing enterobacteriaceae in Korean community and hospital settings (Infection 2013;41:9-13)
  - (Translation Supervise) CLSI QMS 20 The Cost of Quality in Medical Laboratories
  - (Translation) The Key to Quality (CLSI), Coauthor
  - (Translation Supervise) CLSI EP14-A3 Evaluation of Commutability of Processed Samples; Approved Guideline
  - (Translation) CLSI NBS 03-A Newborn Screening for Preterm, Low Birth Weight, and Sick Newborns; Approved Guideline
  - (Translation Supervise) CLSI I/LA25-A2 Maternal Serum Screening; Approved Standard-Second Edition
  - (Author) Textbook of Laboratory Medicine, 6<sup>th</sup> edition, Chapter 3. Laboratory Quality Management System & Chapter 56. Laboratory Evaluation of Pregnancy
  - (Author) Textbook of Laboratory Medicine, 5<sup>th</sup> edition, Chapter 44. Laboratory Evaluation of Pregnancy
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