Curriculum Vitae

Cheolpyo Hong, Ph.D.
Associate Professor, Dept. of Radiological Science
Daegu Catholic University
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Research interests

- Anatomy Visualizations, MRI-guided Radiation Therapy, Quantitative medical imaging, QA/QC, Reference material, Imaging Phantom, Evaluate the imaging characteristics, Multimodal imaging (PET-MR, MR-CT), and Ultrasound imaging

Education

03/1995 – 02/2003	**Konkuk University, Seoul, Korea**	B.A.	Physics
03/2006 – 02/2008	**Yonsei University, Won-ju, Korea**	M.S.	Radiological science
	Thesis Title: *Study for Development of the Line Scan Diffusion Weighted Imaging at Low Tesla Magnetic Resonance Imaging System*		
03/2008 – 08/2012	**Yonsei University, Won-ju, Korea**	Ph.D.	Radiological science
	Thesis Title: *Isocentric imaging for open MRI of an extended field of view*		

Research and Teaching Experience

- **Associate Professor** 03/2015 - Current
  Dept. of Radiological Science, Daegu Catholic University Daejeon, Korea

- **Postdoctoral Fellow** 03/2013 - 01/2015
  Center for Medical Metrology, Division of Convergence Technology, Korea Research Institute of Standards and Science Daejeon, Korea

- **Visiting Researcher** 12/2009 - 05/2010
  Dept. of Radiation Oncology, School of Medicine, Stanford University Stanford, CA,USA

- **Research Assistant** 09/2003 - 08/2005
  Clinical Research Institute, Samsung Medical Center Seoul, Korea

- **Instructor** 03/2011 – 06/2012
  Department of Radiological Science, Yonsei University Wonju, Korea

JOURNAL PUBLICATIONS (recent 5 years)

Lee, S. I., **Hong, C**., Lee, C., & Cho, H. M**.** "Demonstration of Fat Properties in Diagnostic Ultrasound Images through the Development of a Modular Phantom.", *Applied Sciences*, 2022, *13*(1), 432.

Cheolpyo Hong, "Cardiac imaging planes visualization using a virtual dissection system" International Medical Journal, Volume 29, Issue 11, November, 2022

Hyo-Min Cho, Yongho Lee, **Cheolpyo Hong**, "Visualization of Gross Anatomy for Ultrasound Scanning Planes Using a Virtual Dissection Table" International Journal of Morphology, 2021.01

Cheolpyo Hong, "Evaluation of blurring and noise of a medical image using a digital phantom", World Journal of Advanced Research and Reviews, 2021, 12(03), 423–426

HM Cho, **C Hong**, C Lee, H Ding, T Kim, B Ahn "LEGO-compatible modular mapping phantom for magnetic resonance imaging", Scientific Report, 2020.09.08

I Jeon, E Kong, D Yu, **C Hong**, "Clinical and Radiological Analysis of Pyogenic Vertebral Osteomyelitis Immediately after Successful Antimicrobial Therapy: Considerations for Assessing Therapeutic Response" Diagnostics 2020, 10(11), 861

Cheolpyo Hong, "Characteristics of Magnetic Resonance-Based Attenuation Correction Map on Phantom Study in Positron Emission Tomography/Magnetic Resonance Imaging System" Progress in Medical Physics 31(4), December 2, 2020

I Jeon, E Kong, SW Kim, IH Cho, **C Hong**, "Assessment of Therapeutic Response in PyogenicVertebral Osteomyelitis Using18F-FDG-PET/MRI", Diagnostics 2020, 10(11), 916

Cheolpyo Hong, Bong Soo Han, "Laterally Extended Field of View Imaging without Geometric Distortion using Image Stitching in Open-Configuration MRI", International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-4, November 2019