

Curriculum Vitae

Personal Information		
Title (i.e. Pf., Dr., etc.)	Professor	
Name (First name_Last Name)	Ho Yun Chung	
Degree (i.e. MD, Msc, PhD, etc.)	MD, PhD	
Country	Korea	
Affiliation	Department of Plastic & Reconstructive Surgery, School of Medicine, Kyungpook National University.	
Educational Background		
1993	M.D., Graduated Kyungpook National University, School of Medicine	
1995-1999	Resident, Dept. of Plastic & Reconstructive Surgery, Kyungpook National University Hospital	
2000	Ph.D., Plastic& Reconstructive Surgery, Kyungpook National University, School of Medicine	
Professional Experience		
1999	Research Fellow, Dept. of Plastic & Reconstructive Surgery, KURUME University, Japan	
2000-2002	Research Fellow, Laboratory Tissue Engineering and Cellular Therapeutics, Children’s Hospital in Harvard Medical School, USA	
2011-2013	Clinical Fellow, Vascular Birthmark Institute of New York, St. Luke’s-Roosevelt Hospital and Beth Israel Medical Center in Columbia Medical School, USA	
2003-present	Director of Vascular Anomalies Center, Kyungpook Natinal University Hospital	
2007-2017	Chair of Department, Dept. of Plastic & Reconstructive Surgery, Kyungpook National University, School of Medicine	
2014-present	Professor, Dept. of Plastic & Reconstructive Surgery, Kyungpook National University, School of Medicine	
Professional Organizations		
The Korean Society of Plastic & Reconstructive Surgeons		
Korean Wound Management Society		
Korean Tissue Engineering and Regenerative Medicine Society		
Tissue Engineering and Regenerative Medicine International Society		
The Korea Society of Aesthetic Plastic Surgery		
The International Society for the Study of Vascular Anomalies (ISSVA)		



Main Scientific Publications

1. Lee JS, Kim G, Lee JH, Ryu JY, Oh EJ, Kim HM, Kwak S, Hur K, Chung HY. MicroRNA-135b-5p Is a Pathologic Biomarker in the Endothelial Cells of Arteriovenous Malformations. *Int J Mol Sci.* 2024 Apr 30;25(9):4888.
2. Ryu JY, Chang YJ, Lee JS, Choi KY, Yang JD, Lee SJ, Lee J, Huh S, Kim JY, Chung HY. A nationwide cohort study on incidence and mortality associated with extracranial vascular malformations. *Sci Rep.* 2023 Aug 25;13(1):13950.
3. Lee SB, An HY, Chung HY, Lee SJ, Byun JW. N-myc Downstream Regulated Gene 1 Promotes Adipocyte Differentiation in Endothelial Cells of Infantile Hemangioma. *Ann Dermatol.* 2023 Jun;35(3):229-232.
4. Lee JS, Cho HG, Lee JW, Oh EJ, Kim HM, Ko UH, Kang M, Shin JH, Chung HY. Influence of Transforming Growth Factors beta 1 and beta 3 in the Scar Formation Process. *J Craniofac Surg.* 2023 May 1;34(3):904-909.
5. Lee SY, Kang DH, Kim YS, Lee J, Lee SJ, Huh S, Kim JY, Chung HY. Efficacy and safety of transarterial bleomycin sclerotherapy of early-stage facial arteriovenous malformation: Single-center multidisciplinary team experience. *J Plast Reconstr Aesthet Surg.* 2023 Feb;77:379-387.
6. Ryu JY, Hong HK, Cho HG, Lee JS, Yoo BC, Choi MH, Chung HY. Deep Learning for the Automatic Segmentation of Extracranial Venous Malformations of the Head and Neck from MR Images Using 3D U-Net. *J Clin Med.* 2022 Sep 23;11(19):5593.
7. Chung HY, O TM, Tombris S, Meyer L, Waner M. Reconstruction after ablative treatment of arteriovenous malformations of the head and neck. *J Oral Pathol Med.* 2022 Nov;51(10):872-877.
8. Lee JS, Cho HG, Ryu JY, Oh EJ, Kim HM, Kwak S, Lee SJ, Lee J, Lee SY, Huh S, Kim JY, Chung HY. Hypoxia Promotes Angiogenic Effect in Extracranial Arteriovenous Malformation Endothelial Cells. *Int J Mol Sci.* 2022 Aug 14;23(16):9109.
9. Gangadaran P, Oh EJ, Rajendran RL, Kim HM, Oh JM, Kwak S, Hong CM, Choi KY, Chung HY, Ahn BC. Identification of Angiogenic Cargoes in Human Fibroblasts-Derived Extracellular Vesicles and Induction of Wound Healing. *Pharmaceuticals(Basel).* 2022 Jun 2;15(6):702.
10. Lee JS, Kim GH, Lee JH, Ryu JY, Oh EJ, Kim HM, Kwak S, Hur K, Chung HY. MicroRNA-365a/b-3p as a Potential Biomarker for Hypertrophic Scars. *Int J Mol Sci.* 2022 May 30;23(11):6117.
11. Lee JS, Park TH, Ryu JY, Kim DK, Oh EJ, Kim HM, Shim JH, Yun WS, Huh JB, Moon SH, Kang SS, Chung HY. Osteogenesis of 3D-Printed PCL/TCP/bdECM Scaffold Using Adipose-Derived Stem Cells Aggregates; An Experimental Study in the Canine Mandible. *Int J Mol Sci.* 2021 May 21;22(11):5409.
12. Ryu JY, Kim YH, Lee JS, Lee JW, Oh EJ, Kim HM, Lee SJ, Lee J, Lee SY, Huh S, Kim JY, Im S, Chung HY. Oscillatory shear stress promotes angiogenic effects in arteriovenous malformations endothelial cells. *Mol Med.* 2021 Mar 31;27(1):31.
13. Lanza RP, Chung HY, Yoo JJ, Wettstein PJ, Blackwell C, Borson N, Hofmeister E, Schuch G, Soker S, Moraes CT, West MD, Atala A. Generation of histocompatible tissues using nuclear transplantation. *Nat Biotechnol.* 2002 Jul;20(7):689-96.

