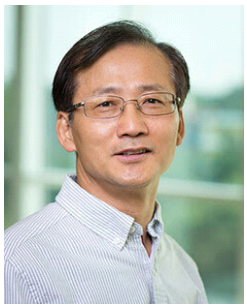
Byung Eui Kim, MD, PhD



Conditions Treated:

Research Areas:

- *Wound Healing*
- *Epidermal Barrier*
- *Cytokines*
- *Epithelial Cells*

Programs & Services:

- *Division of Pediatric Allergy & Clinical Immunology*
- *Department of Pediatrics*

I have studied atopic dermatitis (AD) and allergic diseases. AD is the most common inflammatory skin disease which affects about 20% of children and 5% of adult. My researches focus on epidermal barrier and pathophysiology of AD. The skin epidermal barrier plays critical roles to prevent invasion of allergens into human body. Epidermal barrier defects are considered as an initial step for AD to develop and the most important pathologic findings in AD skin. Multiple factors including immune dysregulation, gene mutations, defects in terminal epithelial differentiation, antimicrobial peptides, altered composition of epidermal lipids, and skin microbiome may affect epidermal barrier function.

Additionally, I have interest in chronic non-healing wounds such as pressure ulcers, venous stasis ulcers, and diabetic wounds. The prevalence of chronic non-healing wounds is about 2% in the general population, and over twenty five billion dollars is spent annually in the United States for the medical management of non-healing wounds. Beneficial effects of plant extracts on wound healing and skin barrier function in skin disorders have been reported. I have been studying on wound healing using plant lipids.

Board Certification

Pediatric Board, Korea

Education

1985 - 1992	Inje University College of Medicine, Busan, Korea, Medicine (MD)
2002 - 2005	Korea University, Seoul, Korea, Anatomy (PhD)

Residency

1993 - 1997	Inje University Paik Hospital (Sanggye), Seoul, Korea, Pediatrics

Fellowship

2000 - 2002	Inje University Paik Hospital (Sanggye), Seoul, Korea, Neonatology

2002 - 2003	Samsung Seoul Medical Center, Seoul, Korea, Pediatric allergy and respiratory disease
2005 - 2010	National Jewish Health, Denver, CO, Post-Doctoral Research Fellow

Teaching or Professional Positions

2013-2017: Instructor, Department of Pediatrics, National Jewish Health, Denver, CO
2003-2005: Assistant Professor, Department of Pediatrics, Inje University Paik Hospital (Sanggye), Seoul, Korea

Professional Memberships

AAAAI

Awards & Recognition

2008: Research Excellence Award, American Academy of Allergy Asthma & Immunology

Publications

Byung Eui Kim, Elena Goleva, Clifton Hall, Sang Hyun Park, Un Ha Lee, Donald Leung et al. Skin wound healing is accelerated by lipids from Chamaecyparis Obtusa. J Invest Dermatol, 2017.

Un Ha Lee, Byung Eui Kim, Donal Leung et al. Atopic dermatitis is associated with reduced corneodesmosin expession. Br J of Dermatol 2017 Feb; 176(2):537-540. PMID: 27572518.

Ji Hyun Kim, Byung Eui Kim, Donald Leung, Kangmo Ahn et al. Epidermal thymic stromal lymphopoietin predicts the development of atopic dermatitis during infancy. J Allergy Clin Immunol 2016; 137:1282-1285. PMID: 26879860.

Young-Min Ye, Byung Eui Kim, Youseb Shin, Hae-Sim Park, Donald Leung. Increased Epidermal Filaggrin in Chronic Idiopathic Urticaria is Associated with Severity of Urticaria. Ann Allergy Asthama Immunol 2014; 112:533-8. PMID: 24726196.

Byung Eui Kim, L Bin, Young-Min Ye, P Ramamoorthy, Donald Leung. IL-25 enhances HSV-1 replication by inhibiting filaggrin expression, and acts synergistically with Th2 cytokines to enhance HSV-1 replication. J Invest Dermatol 2013;133: 2678-85. PMID: 23657503.

Doctor's Contact Information

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