

Dokyoung Yoon, M.D., Ph.D., C.P.H., M.B.A.
Managing Scientist

Professional Profile

Dr. Dokyoung Yoon is a Managing Scientist in Exponent's Health Sciences Center for Toxicology and Mechanistic Biology. Dr. Yoon specializes in application of sound scientific principles to medical, environmental health, and pharmaceutical issues. He has more than 20 years experience as a physician and medical researcher. He has conducted more than 40 clinical studies in the fields of chronic diseases and infectious diseases including diabetes, obesity, hypertension, geriatrics, mental health, and hepatitis. He also led the studies in emergency preparedness and disaster response, and health economics. He has worked as a reviewer for the American Journal of Public Health, the Clinical Therapeutics, and the Korean Journal of Family Medicine.

Before joining Exponent, he was an Associate Professor, Korea University Medical College, and Director, Department of Family Medicine, Ansan Hospital, Korea University Medical Center. Dr. Yoon established a Health Promotion Center and participated in establishing a Clinical Trial Center at Ansan Hospital, Korea University Medical Center. He also participated and led humanitarian relief actions in Sri Lanka and Indonesia during the tsunami disaster in 2005 and the earthquake disaster in 2006. He served as a committee member, Medical Knowledge Improvement Committee under the Korean Medical Association, to provide evidence-based information for alternative medicine. He wrote chapters of the medical textbooks published by the Korean Academy of Family Medicine. He was featured more than 30 times in Korean nationwide television programs, and more than 30 newspaper/magazine articles, guiding general public by correcting misconception and providing evidence based medical knowledge.

Dr. Yoon received an M.P.H. degree from Johns Hopkins School of Public Health and was certified in public health (C.P.H.). He also holds an M.B.A. degree from Carey Business School, John Hopkins University. Dr. Yoon received his M.D. and Ph.D. degrees from Korea University Medical College in Seoul, Korea and received a certificate from ECFMG, Educational Commission for Foreign Medical Graduate, U.S.A. He completed residency training in 1995 in Family Medicine at Korea University Medical Center.

Academic Credentials and Professional Honors

Ph.D., Medical Science, College of Medicine, Korea University, Korea, 1999
M.D., College of Medicine, Korea University, Korea, 1991
M.P.H., Bloomberg School of Public Health, Johns Hopkins University, 2008
M.B.A., Carey Business School, Johns Hopkins University, 2008

Aoyama Kita Scholar, Johns Hopkins Bloomberg School of Public Health, 2007
Outstanding Research Award, MSD/Korean Academy of Family Medicine, Korea, 2005
Appreciation, Geriatric Education and Training Center, Harvard Medical School, 2005
Honorary Award, Korea University Medical Center, Seoul, Korea, 2005
UN Medal, MINURSO, UN PKO, 1997

Licenses and Certifications

Certified in Public Health, National Board of Public Health Examiners
ECFMG Certified, Educational Commission for Foreign Medical Graduates
Board Certified in Family Medicine, Ministry of Health and Welfare, Korea
Medical Doctor, Ministry of Health and Welfare, Korea

Languages

Korean, English

Publications

Yoon D, Frick KD, Carr DA, Austin JK. Economic impact of epilepsy in the United States. *Epilepsia* 2009; Oct; 50(10):2186–2191.

Kim JA, Kim SM, Yoon D. The relationship between gamma-glutamyltransferase and adiponectin in nonalcoholic women. *Metabolism* 2007; 56(4):578–582.

Kim YK, Paik JW, Lee SW, Yoon D, Han C, Lee BH. Increased plasma nitric oxide level associated with suicide attempt in depressive patients. *Progress in Neuropsychopharmacology & Biological Psychiatry* 2006; 30(6):1091–1086.

Lee BH, Lee SW, Yoon D, Lee HJ, Yang JC, Shim SH, Kim DH, Ryu SH, Han C, Kim YK. Increased plasma nitric oxide metabolites in suicide attempters. *Neuropsychobiology* 2006; 53(3):127–132.

Kim SM, Lee JS, Lee J, Na JK, Han JH, Yoon DK, Baik SH, Choi DS, Choi KM. Prevalence of diabetes and impaired fasting glucose in Korea: Korean national health and nutrition survey. *Diabetes Care* 2006; 29(2):226–231.

Lim JH, Yoon D, Jung G, Kim W, Lee HC. Medical needs of tsunami disaster refugee camps. *Family Medicine* 2005; 37(6):422–428.

Yoon D, Lee SH, Park HS, Lee JH, Park JS, Cho KH, Kim SM. Hypoadiponectinemia and insulin resistance are associated with nonalcoholic fatty liver disease. *Journal of Korean Medical Science* 2005; 20(3):421–426.

Ko BJ, Choi YS, Kim SH, Kim JA, Hong JI, Yoon DK, Kim JH, Sohn KH. Deep vein thrombosis in advanced cervical cancer patient after taking Cyclooxygenase-2 selective inhibitors. *Korean Journal of Hospice Palliative Care* 2005; 8(1):57–64. (In Korean).

Kim SM, Yoon DK, Yang BS, Choi KS. An activation of peroxisome proliferator-activated receptor δ attenuate alcoholic liver disease and nonalcoholic fatty liver disease in rats. *Journal of Korean Society for the Study of Obesity* 2005; 14(1):29–38. (In Korean).

Kang JH, Lee YY, Yu BY, Yang BS, Cho KH, Yoon DK, Roh YK. Adiponectin induced growth arrest and apoptosis of MDA-MB-231 breast cancer cell. *Archives of Pharmacal Research* 2005; 28(11):1263–1269.

Kim JA, Park YG, Cho KH, Hong MH, Han HC, Choi YS, Yoon D. Heart rate variability and obesity indices: Emphasis on the response to noise and standing. *Journal of the American Board of Family Medicine* 2005; 18(2):97–103.

Kim YK, Lee HJ, Kim JY, Yoon DK, Cho SH, Lee MS. Low serum cholesterol is correlated to suicidality in a Korean sample. *Acta Psychiatrica Scandinavica* 2002; 105:141–148.

Yoon D, Kwon JH, Lee YM, Choi YS, Hong MH. How popular are folk remedies with Korean diabetic patients? *Asia Pacific Family Medicine* 2002; 1(1):18–22.

Published Conference Proceedings/Abstracts

Yoon D, Frick KD, Carr DA, Austin JK. Economic impact of epilepsy in the United States. The American Academy of Neurology 60th Annual Meeting, Chicago, IL, April 15, 2008.

Yoon D, Kuehnle JK, Huynh L, Yi EH. Nursing shortage, strategy, and future implication. The 135th Annual Meeting & Exposition American Public Health Association, Washington, D.C., 2007.

Yoon D, Lim JH, Kim WJ, Jung G, Lee HS. Diarrhoea patients were minimal during tsunami disasters. Abstract P-38, Northern European Conference on Travel Medicine, Edinburgh, Scotland, UK, 2006.

Yoon D, Cho KH, Le CH, Kim SM, Choi YS. Vertical infection proportions in Hepatitis B virus infected children and adolescent. WONCA Asia Pacific Regional Conference, Tokyo, Japan, 2005.

Yoon D, Lim JH, Kim WJ, Jung G, Lee HS. Medical needs of tsunami disaster refugee camps. WONCA Asia Pacific Regional Conference, Tokyo, Japan, 2005.

Yoon D. Screening Test of osteoporosis and osteopenia in Korean post-menopausal women. 17th WONCA World Conference, Orlando, FL, 2004.

Yoon D. Correlation between chronic stress and salivary cortisol level. 17th WONCA World Conference, Orlando, FL, 2004.

Yoon D. Correlation of the CHD risk factors and health rate variability. 17th WONCA World Conference, Orlando, FL, 2004.

Textbooks

Coauthor. Textbook of Family Medicine. Published by Korean Academy of Family Medicine, ISBN 978-89-878-70-3, 2007. (In Korean).

Cotranslator. Swartz Textbook of Physical Diagnosis: History and Examination. Translated by 27 Medical School Professors, English version edited by Swartz MH, Saunders WB, an imprint of Elsevier, Korean version ISBN 9812591079, 2004. (In Korean).

Coauthor. Life Time Health Promotion. Published by Korean Academy of Family Medicine, ISBN 89-5629-032-6, 2003. (In Korean).

Coauthor. Changing Way of Thinking for Health. ISBN 89-85348-50-7, 2003. (In Korean).

Coauthor. Geriatrics. Korean Publication Registration Number 10-1640, 2001. (In Korean).

Invited Presentations

Yoon D. Imported infectious disease situation. Annual Conference of Korean Academy of Family Medicine, Seoul, Korea, 2005. J Korean Academy Family Med 2005; 26(4):S9–12.

Yoon D. Importance of family physician role in fighting against disasters. WONCA Asia Pacific Regional Conference, Kyoto, Japan, 2005.

Yoon D. Geriatrics travel medicine. Annual Conference of The Korean Geriatrics Society, Daegu, Korea, 2005. J Korean Geriatric Society 2005; 9(S1):S147–155.

Yoon D. Treatment of chronic hepatitis. Annual Conference of Korean Academy of Family Medicine, Pusan, Korea, 2004. J Korean Academy of Family Medicine 2004; 25(4):S315320.

Yoon D. Malaria. Annual Conference of Korean Academy of Family Medicine, Seoul, Korea, 2003. J Korean Academy Family Medicine 2003; 24(10):S41–49.

Yoon D. Cough-core review. Annual Conference of Korean Academy of Family Medicine, Seoul, Korea, 2002. J Korean Academy of Family Medicine 2002; 23(4):S140–143.

Prior Experience

Assistant/Associate Professor, College of Medicine, Korea University, Korea, 2003–2009
Department Director/Physician, Department of Family Medicine, Ansan Hospital, Korea University Medical Center, Korea, 1998–2009
Research Assistant/Consultant, Johns Hopkins Medical Institution, 2007–2008
Professor Extraordinary, Korea Digital University, Korea, 2002–2006
Clinical Instructor/Clinical Assistant Professor, Department of Family Medicine, Korea University Medical Center, Korea, 1998–2003
Military Doctor, Korean Army, Korea, 1995–1998
Medical Officer, MINURSO, UN, Western Sahara, 1997–1997
Resident Physician, Korea University Medical Center, 1992–1995

Project Experience

Before joining Exponent, Dr. Yoon developed strategies for patient recruiting with emphasis on recruiting problematic patients for interview, developed questionnaires, participated in patient education programs focused on community-based participatory research on diabetes and hypertension at John Hopkins Medical Institution; analyzed data and wrote manuscript on health related quality and economic impact research funded by the Epilepsy Foundation; wrote patient friendly drug information for epilepsy patients and caregivers; provided the health economics expertise on breast cancer and colorectal cancer for a global medical/pharmaceutical consulting firm.

Dr. Yoon established a Health Promotion Center and participated in establishing a Clinical Trial Center at Ansan Hospital, Korea University Medical Center. He also participated and led humanitarian relief actions in Sri Lanka and Indonesia during the tsunami disaster in 2005 and the earthquake disaster in 2006. He served as a committee member, Medical Knowledge Improvement Committee under the Korean Medical Association, to provide evidence-based information for alternative medicine.

Professional Affiliations

- American Public Health Association—APHA (member)
- Global Family Doctor—WONCA (member)
- International Society of Pharmacoeconomics and Outcomes Research—ISPOR (member)
- Global Health Council (member)
- Korean Academy of Family Medicine
 - Executive Committee, December 2003–December 2005
- General Affairs, Korean Academy of Travel Medicine
 - Director, November 2003–June 2006
 - Board Certification Examination Committee, Korean Academy of Family Medicine
 - Committee member, December 2001–June 2006