

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

**Professional Profile**

Dr. Dokyoung Yoon is a physician epidemiologist in Health Sciences Center of Exponent, Inc. Dr. Yoon specializes in application of sound scientific principles to medical, pharmaceutical, and environmental health issues. He utilizes his extensive medical experience, epidemiological principles, and statistical analysis to find the root-cause of concerns, to weigh the efficiency of measures, and to solve complex problems effectively. His unique combination of capability and experience in health science field has tremendously benefited hospitals, pharmaceuticals, insurances, chemical manufacturers, non-profit organizations, and government. He has more than 20 years experience as a physician and health science 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 served for the United Nation as a Peace Keeping Forces medical officer in 1997. He participated in numerous humanitarian relief actions, and has led humanitarian relief actions in Sri Lanka during the tsunami disaster in 2005 and in Indonesia during 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. *Prog Neuropsychopharmacol Biol 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 Med* 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. *J Korean Med Sci* 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 J 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  $\delta$  attenuate alcoholic liver disease and nonalcoholic fatty liver disease in rats. *J Korean Soc 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. *Arch Pharmacol Res* 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. *J Am Board Family Practice* 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 Fam Med* 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