


## Curriculum Vitae

Personal Information		
Title	Dr.	
Name	Sung-Min Gho	
Degree	PhD	
Country	Republic of Korea	
Affiliation	DEEPNOID	
Educational Background		
2008.03 ~ 2015.02: Yonsei University, Seoul, Republic of Korea - Master's _ Doctoral Program (Electrical and Electronic Engineering) - Ph.D in MR pulse sequence, MR Image reconstruction, and Application Development  2002.03 ~ 2008.02: Yonsei University, Seoul, Republic of Korea - B.S. (Electrical and Electronic Engineering)		
Professional Career		
2024.09 ~ Current: DEEPNOID - Medical R&D Center Director  2023.07 ~ 2024.09: Heuron - Imaging Development Team Director  2016.03 ~ 2023.06: GE Healthcare - Intercontinental MR Scientist (2023.03 ~ 2023.06) - MR Clinical Solutions & Research Collaborations, Head quarter Neuro ASL MR Scientist (2020.03~2023.03) - MR-Collaboration & Development, APAC, MR Scientist (2016.03 ~ 2020.03)		
Research Field		
- MR Image reconstruction - Fast imaging - Susceptibility imaging - Synthetic imaging		
Main Scientific Publications		
- Three Dimension Double Inversion Recovery gray matter imaging using Compressed Sensing - Susceptibility Map-Weighted Imaging (SMWI) for Neuroimaging - Simultaneous Quantitative Mapping of Conductivity and Susceptibility using Double-echo UTE sequence: example using hematoma evolution study - Imaging of the Nigrosome 1 in Substantia Nigra at 3T using Multi-echo Susceptibility Map Weighted Imaging (SMWI) - Stacked U-Nets with Self-Assisted Priors Towards Robust Correction of Rigid Motion Artifact in Brain MRI - Harmonic field extension for QSM with reduced spatial coverage using physics-informed generative adversarial network - Unsupervised Learning for Motion Correction and Assessment in Brain Magnetic Resonance Imaging Using Severity-based Regularized Cycle Consistency		