
LIST OF ABBREVIATIONS

AD	After Death
AP	Anterior Posterior
AES	Atomic Emission Spectroscopy
Au	Colloidal Gold
AuNPs	Colloidal Gold Nanoparticles
B.C	Before Christmas
CdSe	Cadmium Selenide
CdS	Cadmium Sulfide
CdTe	Cadmium Telluride
CS₂	Carbon disulfide
Cm	Centimeter
CT	Computed Tomography
CST	Computer Simulation Technology
CM	Contrast Media
DNA	Deoxyribonucleic acid
DEI	Diffraction Enhanced Imaging
3D	3 Dimensions
DCE	Dynamic Contrast Enhanced
EF	Electric Field
EM	Electron Microscope
EDTA	Ethylene Diaminetetra Acetic Acid
FCC	Face Centered Cubic
FSE	Fast Spine Echo
FID	Free Induction Decay
Fe₃O₄NP	Iron Oxide Nanoparticles
Gd	Gadolinium
GaAs	Gallium Arsenide
GaN	Gallium Nitride
GNPs	Gold Nanoparticles
Gy,Gz,Gx	Gradient Field that Provide Localization
HCP	Hexagonal Close Packed

HOCM	High Osmolar Contrast Media
HU	Hounsfield Unit
HAuCl₄	Hydrogen Gold Chlorine
InAs	Indium Arsenide
Inp	Indium Phosphide
ICP	Inductively Coupled Plasma
IR	Inverse Recovery
KeV	Kilo Electron Volt
KHz	Kilo Hertz
LOCM	Low Osmolar Contrast Media
MRI	Magnetic Resonance Imaging
MNP	Magnetized Nanoparticles
MGNP	Mass of a Single Gold Nanoparticle
MHz	Mega Hertz
mAs	Meliamber Second
ml	Milliliter
mg	Milligram
nm	Nanometer
NIR	Near Infrared
NaCl	Sodium Chloride
PbSe	Lead Selenide
PVA	Poly Vinyl Alcohol
PEG	Polyethylene Glycol
PCR	Polymerase Chain Reaction
PVP	Polyvinylpyrrolidone
PET	Positron Emission Tomography
R/F	Radiography/Fluoroscopy
RTV	Room Temperature Vulcanizing
SiO₂	Silicon dioxide
SPECT	Single Photon Emission Computed Tomography
SE	Spine Echo
SPGR	Spoiled Gradient Echo
SPIO	Super Paramagnetic Iron Oxide

SPR	Surface Plasmon Resonance
TE	Echo Time
T1,T2	Time of Relaxation
TiO2	Titanium dioxide
TEM	Transmission Electron Microscopy
USPIO	Ultra small Super Paramagnetic Iron Oxide
UV	Ultra Violet
US	Ultrasound
VIS	Visible
VGNP	Volume of a Single Gold Nanoparticle
ZnSe	Zinc Selenide
ZnS	Zinc Sulfide