

MAGNETIC RESONANCE

Glossary - ABBREVIATIONS

AP: anterior/posterior
BPM: beats per minute
BW: receiver bandwidth
CC: cranial caudal
CE: contrast enhanced
CNR: contrast to noise ratio
CO₂: carbon dioxide
dB: decibels
DWI: diffusion weighted image (imaging)
EPI: echo planar imaging
ETL: echo train length
FA: flip angle
FC: flow compensation
FLAIR: fluid attenuated inversion recovery
FOV: field of view
FSE: fast spin echo
FSE-IR: fast spin echo-inversion recovery
g: gauge
GRE: gradient echo
HF: head-foot
Hz: hertz (e.g., kHz, MHz)
IR: inversion recovery
LR: left/right
M: molar
Matrix: always stated as phase encoding by frequency encoding
MIP: maximum intensity projection
MRA: magnetic resonance angiogram
MRCP: magnetic resonance cholangiopancreatography
MRV: magnetic resonance venogram
ms: millisecond
NEX: number of excitations NPW: no phase wrap
PACS: picture archival and communication system
PC: phase contrast
PDW: proton density weighting
PG: peripheral gating
ppm: parts per million
RC: respiratory compensation

RECT FOV: rectangular field of view
RF: radio frequency
R/O: rule out
ROI: region of interest
SAR: specific absorption rate
SE: spin echo
series: sequences
SI: superior-inferior
SLT: slice thickness
SNR: signal to noise ratio
survey: localizer
TE: echo time
TI: inversion time
Time varying (gradient) magnetic field:
 gradient magnetic field
TR: repetition time
TOF: time of flight
TONE: ramped RF
VENC: velocity encoding
W: weighted
w/Kg: watts per kilogram

Glossary - Terms for different vendors

TERM	GE	PHILIPS	PICKER	SIEMENS
NEX	NEX	NSA # MEAS	NSA	# ACQ
FSE	FSE	TSE	FSE	TSE
SPOILED GRADIENT ECHO	SPGR	CE-FFE	RF SPOILED FAST	FLASH
VARIABLE BANDWIDTH	VBW	WFS	BW	BW
RESPIRATORY COMPENSATION	RESP COMP	PEAR	----	----
FLOW COMPENSATION	FLOW COMP	FC FLAG	MAST	GMR
NO PHASE WRAP or PHASE OVERSAMPLING	NPW	FOS	AA	PHASE OS
GRADIENT ECHO	GRASS GRE	FFE TFR	FE	GRE
ASYMMETRIC MATRIX *	ASYMMETRIC MATRIX	SCAN %	% MATRIX	% MATRIX
1/2 FOURIER	.5 NEX	HALF SCAN	1/2 FOURIER	HASTE
SAT PULSES	SAT PULSES	REST SLABS	PRE SAT	SAT BANDS
SKIP	SPACING	SLICE FACTOR SLICE GAP	GAP	SLICE GAP
FSE-IR	FSE-IR	TSE-IR	FSE-IR	TSE-IR
PARALLEL IMAGING	ASSET ARC	SENSE	SENSE	GRAPPA mSENSE IPAT
KEYHOLE IMAGING	TRICKS	KEYHOLE 4D TRAK	KEYHOLE	TWIST

* phase X frequency