NW
Imaging Forums, Inc.

HYDROCEPHALUS BRAIN 3.0T

INSTRUCTIONS AND PATIENT PREPARATION

Indications	• This protocol is to be used for patients who are unable to tolerate normal scan times and MR is critical to diagnosis • Useful for extreme motion, severe claustrophobia or very sick patients
Instructions	• Do NOT administer any gadolinium-based contrast agent dose • For small children, bundle tightly in a blanket and place extra sponges around head for safety • Have a parent lie prone on the table so they can soothe the child and hold the head if necessary • Scan as quickly as possible by using manual pre-scan instead of auto pre-scan • The patient may be moving and crying, but most images will be OK
Position	Supine
Coil	Head, HNU (Head 24 selected if possible)
Landmark	Nasion

IMAGING PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL T2 SSFSE	AXIAL T2 SSFSE	CORONAL T2 SSFSE
Primary Sequence	Yes	Yes	Yes	Yes
Mode	2D	2D	2D	2D
Pulse Sequence	SSFSE	SSFSE	SSFSE	SSFSE
Imaging Options	SEQ, EDR, FAST, SS, ARC, TRF	EDR, TRF, FAST, ARC, SS	EDR, TRF, FAST, ARC, SS	EDR, TRF, FAST, ARC, SS

SCAN PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL T2 SSFSE	AXIAL T2 SSFSE	CORONAL T2 SSFSE
TE	80	Min-Full	Min-Full	Min-Full
TR	1000	Min	Min	Min
Bandwidth	83	83	83	83

ACQUISITION PARAMETERS

Scan Description	3PL LOCALIZER	SAGITTAL T2 SSFSE	AXIAL T2 SSFSE	CORONAL T2 SSFSE
MATRIX freq	256	288	288	288
MATRIX phase	192	192	192	192
NEX	1	1	1	1
Phase FOV	Full	22 x 22	22 x 22	22 x 22
Freq Direction	Unswap	S/I	A/P	S/I

SCANNING RANGE

Scan Description	3PL LOCALIZER	SAGITTAL T2 SSFSE	AXIAL T2 SSFSE	CORONAL T2 SSFSE
FOV	30	20	20	20
Slice Thickness	7	4	4	4
Spacing	5	0	0	0
Number of Slices	7-Ax/SagCor	Slices PRN	—	—
Scan Time	0:18 sec	0:17 sec	0:17 sec	0:17 sec

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