Supplementary Table

Radiomics and *MGMT* promoter methylation for prognostication of newly diagnosed glioblastoma

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	Radiomic designation code	Contents of values
1	T1Gd_original_Tota l Surface Area	Total surface area (A) of T1Gd area.
2	TlGd_original_Tota l Volume	Total volume (V) of T1Gd area.
3	TlGd_original_Comp actness01	Value calculated by the following equation of T1Gd area; V
		$compaciness1 = \frac{1}{\sqrt{\pi} * A^{\frac{2}{3}}}$
4	T1Gd_original_Comp actness02	Value calculated by the following equation of T1Gd area;
-		$compactness2 = 36\pi \frac{A}{V^3}$
L	T1Gd_original_Sphe rical_Disporoporti on	Value calculated by the following equation of T1Gd area;
C		spherical_disproportion = $\frac{A}{4\pi * R^2} = \frac{A}{(6\sqrt{\pi} * V)^2}$
	T1Gd_original_Sphe ricity	Value calculated by the following equation of T1Gd area;
6		sphericity = $\frac{(6\pi^2 V)^{\overline{3}}}{A}$
7	TlGd_original_Surf ace_to_Volume_rati	Value calculated by the following equation of T1Gd area;
7	0	$surface_volume_ratio = \frac{A}{V}$
8	T2_original_Total_ Surface_Area	Total surface area (A) of T2 area.
9	T2_original_Total_ Volume	Total volume (V) of T2 area.
	T2_original_Compac tness01	Value calculated by the following equation of T2 area;
10		$compactness1 = \frac{V}{\sqrt{\pi} * A^{\frac{2}{3}}}$
	T2_original_Compac tness02	Value calculated by the following equation of T2 area;
11		$compactness2 = 36\pi \frac{A^2}{V^3}$
	T2_original_Spheri cal_Disporoportion	Value calculated by the following equation of T2 area;
12		spherical_disproportion = $\frac{A}{4\pi * R^2} = \frac{A}{(6\sqrt{\pi} * V)^{\frac{2}{3}}}$
	T2_original_Spheri city	Value calculated by the following equation of T2 area;
13		sphericity = $\frac{(6\pi^2 V)^{\frac{2}{3}}}{A}$

	T2_original_Surfac	Value calculated by the following equation of T2
14	e_to_Volume_ratio	area;
14		$surface_volume_ratio = \frac{A}{V}$
	core_MNI_loc0	Occupancy rate of area "0" multiplied by 1 of
15		the MNI structural atlas within the core VOI.
	core MNI loc1	Occupancy rate of area "1" multiplied by 2 of
16		the MNI structural atlas within the core VOI.
		This area represents lateral ventricles.
17	COTE_MN1_10C2	Uccupancy rate of area "2" multiplied by 3 of the MNI structural atlas within the core VOL.
		This area represents the cerebrum.
	core_MNI_loc3	Occupancy rate of area "3" multiplied by 4 of
18		the MNI structural atlas within the core VOI.
	core MNI loc4	Occupancy rate of area "4" multiplied by 5 of
19		the MNI structural atlas within the core VOI.
		This area represents the insular lobe.
20	core_MNI_loc5	Occupancy rate of area "5" multiplied by 6 of
20		This area represents the occipital lobe.
	core_MNI_loc6	Occupancy rate of area "6" multiplied by 7 of
21		the MNI structural atlas within the core VOI.
	core MNI loc7	This area represents the parletal lobe.
22	corc_invi_ioc/	the MNI structural atlas within the core VOI.
		This area represents the basal ganglia.
	core_MNI_loc8	Occupancy rate of area "8" multiplied by 9 of
23		The MNI structural atlas within the core VOI.
	core MNI loc9	Occupancy rate of area "9" multiplied by 10 of
24		the MNI structural atlas within the core VOI.
	adama MUT las0	This area represents the thalamus.
25	edema_MN1_10C0	the MNI structural atlas within the edema VOL.
		This area represents white matter.
	edema_MNI_loc1	Occupancy rate of area "1" multiplied by 2 of
26		the MNI structural atlas within the edema VOI.
	edema MNI loc2	Occupancy rate of area "2" multiplied by 3 of
27		the MNI structural atlas within the edema VOI.
		This area represents the cerebrum.
28	edema_MNI_loc3	Uccupancy rate of area "3" multiplied by 4 of
20		This area represents the frontal lobe.
	edema_MNI_loc4	Occupancy rate of area "4" multiplied by 5 of
29		the MNI structural atlas within the edema VOI.
	edema MNT loc5	This area represents the insular lobe.
30	edema_mi_i0c5	the MNI structural atlas within the edema VOI.
		This area represents the occipital lobe.
21	edema_MNI_loc6	Occupancy rate of area "6" multiplied by 7 of
21		This area represents the parietal lobe.
	edema_MNI_loc7	Occupancy rate of area "7" multiplied by 8 of
32		the MNI structural atlas within the edema VOI.
	odomo MNT la -0	This area represents the basal ganglia.
33	edema_MN1_10C8	the MNI structural atlas within the edema VOL
		This area represents the temporal lobe.

	edema MNI loc9	Occupancy rate of area "9" multiplied by 10 of
34		the MNI structural atlas within the edema VOI.
		This area represents the thalamus.
	T16d core Mean	Mean of VOI core in 256-leveled Gadolinium
35	116d_core_neam	enhanced T1_weighted image
	T1Cd core SD	Standard deviation of NOL core in 256 loveled
36	IIGu_COLE_SD	Scaladinium enhanced II weighted image
	miglione and Man	Gadorinium ennanced ii-wergnied image.
37	TIGd_core_var	Variance of VOL_core in 256-leveled Gadolinium
		enhanced T1-weighted image.
38	T1Gd_core_RMS	Root Mean Square of VOI_core in 256-leveled
•••		Gadolinium enhanced T1-weighted image.
20	T1Gd_core_Max	Maximum of VOI_core in 256-leveled Gadolinium
39		enhanced T1-weighted image.
4.0	T1Gd core Min	Minimum of VOI core in 256-leveled Gadolinium
40		enhanced T1-weighted image.
	T1Gd core Median	Median of VOI core in 256-leveled Gadolinium
41		enhanced T1-weighted image.
	T16d core Mode	Mode of VOI core in 256-leveled Gadolinium
42	1104_COLC_HOUE	enhanced T1_weighted image
	TICd goro Entrong	Entropy of NOT core in 256 loveled Cadelining
43	11Gu_core_Entropy	enhanged m1 voighted image
		ennancea TI-Weightea image.
44	TIGa_core_Kurtosis	kurtosis of voi_core in 256-leveled Gadolinium
		ennanced TI-weighted image.
45	T1Gd_core_Skewness	Skewness of VOI_core in 256-leveled Gadolinium
_		enhanced T1-weighted image.
	T1Gd_core_GLCMcont	Mean contrast of GLCM in VOI_core in 256-leveled
46	rast_1	Gadolinium enhanced T1-weighted image with
		offset set to 1.
	T1Gd_core_GLCMcont	Mean contrast of GLCM in VOI_core in 256-leveled
47	rast 2	Gadolinium enhanced T1-weighted image with
	—	offset set to 2.
	T1Gd core GLCMcont	Mean contrast of GLCM in VOI core in 256-leveled
48	rast 3	Gadolinium enhanced T1-weighted image with
		offset set to 3.
	T1Gd core GLCMener	Mean energy of GLCM in VOI core in 256-leveled
49	av 1	Gadolinium enhanced T1-weighted image with
	91 _ +	offset set to 1.
	T16d core GLCMener	Mean energy of GLCM in VOI core in 256-leveled
50	av 2	Cadolinium enhanced T1_weighted image with
50	99_2	offact act to 2
	micd gove CI (Mener	Moon onorgy of CICM in NOT core in 256 localed
E 1	TIGa_COTE_GLCMener	Mean energy of GLCM in voi core in 250-16Veled
51	م_y	Gadorinium ennancea ri-weighted image with
		OIISET SET TO 3.
	TIGA COTE GLCMhomo	Mean nomogeneity of GLCM in VOI_core in 256-
52		
	geniety_1	leveled Gadolinium enhanced Tl-weighted image
	geniety_1	with offset set to 1.
	geniety_1 T1Gd_core_GLCMhomo	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256-</pre>
53	geniety_1 T1Gd_core_GLCMhomo geniety_2	Nean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image
53	geniety_1 T1Gd_core_GLCMhomo geniety_2	<pre>leveled Gadolinium enhanced T1-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 2.</pre>
53	geniety_1 T1Gd_core_GLCMhomo geniety_2 T1Gd_core_GLCMhomo	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256-</pre>
53 54	geniety_1 T1Gd_core_GLCMhomo geniety_2 T1Gd_core_GLCMhomo geniety_3	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image</pre>
53	geniety_1 T1Gd_core_GLCMhomo geniety_2 T1Gd_core_GLCMhomo geniety_3	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 3.</pre>
53	<pre>geniety_1 T1Gd_core_GLCMhomo geniety_2 T1Gd_core_GLCMhomo geniety_3 T1Gd_core_GLRLMSre</pre>	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 3. Short run emphasis of GLRLM in VOI_core in 256-</pre>
53 54 55	<pre>geniety_1 T1Gd_core_GLCMhomo geniety_2 T1Gd_core_GLCMhomo geniety_3 T1Gd_core_GLRLMSre</pre>	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 3. Short run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image.</pre>
53 54 55	<pre>geniety_1 T1Gd_core_GLCMhomo geniety_2 T1Gd_core_GLCMhomo geniety_3 T1Gd_core_GLRLMSre T1Gd_core_GLRLMLre</pre>	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 3. Short run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image. Long run emphasis of GLRLM in VOI core in 256-</pre>
53 54 55 56	<pre>geniety_1 T1Gd_core_GLCMhomo geniety_2 T1Gd_core_GLCMhomo geniety_3 T1Gd_core_GLRLMSre T1Gd_core_GLRLMLre</pre>	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 3. Short run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image. Long run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image.</pre>
53 54 55 56	<pre>geniety_1 T1Gd_core_GLCMhomo geniety_2 T1Gd_core_GLCMhomo geniety_3 T1Gd_core_GLRLMSre T1Gd_core_GLRLMLre T1Gd_core_GLRLMLre</pre>	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 3. Short run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image. Long run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image. GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_core</pre>
53 54 55 56	<pre>geniety_1 TlGd_core_GLCMhomo geniety_2 TlGd_core_GLCMhomo geniety_3 TlGd_core_GLRLMSre TlGd_core_GLRLMLre TlGd_core_GLRLMGln</pre>	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 3. Short run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image. Long run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image. GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_core in 256-leveled Gadolinium enhanced TI-weighted</pre>
53 54 55 56 57	<pre>geniety_1 TlGd_core_GLCMhomo geniety_2 TlGd_core_GLCMhomo geniety_3 TlGd_core_GLRLMSre TlGd_core_GLRLMLre TlGd_core_GLRLMGln</pre>	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 3. Short run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image. Long run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image. GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_core in 256-leveled Gadolinium enhanced T1-weighted image.</pre>
53 54 55 56 57	<pre>geniety_1 TlGd_core_GLCMhomo geniety_2 TlGd_core_GLCMhomo geniety_3 TlGd_core_GLRLMSre TlGd_core_GLRLMLre TlGd_core_GLRLMGln TlGd_core_GLRLMPp</pre>	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 3. Short run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image. Long run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image. GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_core in 256-leveled Gadolinium enhanced T1-weighted image.</pre>
53 54 55 56 57 58	<pre>geniety_1 TlGd_core_GLCMhomo geniety_2 TlGd_core_GLCMhomo geniety_3 TlGd_core_GLRLMSre TlGd_core_GLRLMLre TlGd_core_GLRLMGln TlGd_core_GLRLMRp</pre>	<pre>leveled Gadolinium enhanced TI-weighted image with offset set to 1. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 2. Mean homogeneity of GLCM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image with offset set to 3. Short run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image. Long run emphasis of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image. GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_core in 256-leveled Gadolinium enhanced TI-weighted image. RUN PERCENTAGE of GLRLM in VOI_core in 256- leveled Gadolinium enhanced TI-weighted image.</pre>

80

59	T1Gd_core_GLRLMRln	RUN LENGTH NON-UNIFORMITY in VOI_core in 256- leveled Gadolinium enhanced T1-weighted image.
60	T1Gd_core_GLRLMLrg	LOW GRAY LEVEL RUN EMPHASIS in VOI_core in 256-
	TIGd core GLRIMHrg	HIGH GRAY LEVEL RUN EMPHASIS in VOI core in 256-
61		leveled Gadolinium enhanced T1-weighted image.
	TIGd core GLCMcont	Standard deviation of contrast of GLCM in
62	rast 1 SD	VOL core in 256-leveled Gadolinium enhanced T1-
02		weighted image with offset set to 1
	T1Gd core GLCMcont	Standard deviation of contrast of GLCM in
63	rast 2 SD	VOL core in 256-leveled Gadolinium enhanced T1-
		weighted image with offset set to 2.
	T1Gd_core_GLCMcont	Standard deviation of contrast of GLCM in
64	rast_3_SD	VOI_core in 256-leveled Gadolinium enhanced T1-
		weighted image with offset set to 3.
	T1Gd_core_GLCMener	Standard deviation of energy of GLCM in VOI_core
65	gy_1_SD	in 256-leveled Gadolinium enhanced T1-weighted
		image with offset set to 1.
	T1Gd_core_GLCMener	Standard deviation of energy of GLCM in VOI_core
66	gy_2_SD	in 256-leveled Gadolinium enhanced T1-weighted
		image with offset set to 2.
	T1Gd_core_GLCMener	Standard deviation of energy of GLCM in VOI core
67	gy_3_SD	in 256-leveled Gadolinium enhanced T1-weighted
		image with offset set to 3.
	T1Gd core GLCMhomo	Standard deviation of homogeneity of GLCM in
68	geniety 1 SD	VOI core in 256-leveled Gadolinium enhanced T1-
		weighted image with offset set to 1.
	T1Gd core GLCMhomo	Standard deviation of homogeneity of GLCM in
69	geniety 2 SD	VOI core in 256-leveled Gadolinium enhanced T1-
	5	weighted image with offset set to 2.
	T1Gd core GLCMhomo	Standard deviation of homogeneity of GLCM in
70	geniety 3 SD	VOI core in 256-leveled Gadolinium enhanced T1-
	J - - - - - - - - - -	weighted image with offset set to 3.
	T1Gd core GLRLMSre	Standard deviation of Short run emphasis of
71	SD – –	GLRLM in VOI core in 256-leveled Gadolinium
	—	enhanced T1-weighted image.
	T1Gd core GLRLMLre	Standard deviation of Long run emphasis of GLRLM
72	SD	in VOI core in 256-leveled Gadolinium enhanced
	-	T1-weighted image.
	T1Gd core GLRIMG1n	Standard deviation of GRAY LEVEL NON-UNIFORMITY
73	SD	of GLRLM in VOI core in 256-leveled Gadolinium
- 1		enhanced T1-weighted image.
	T1Gd core GLRLMRp	Standard deviation of RUN PERCENTAGE of GLRLM in
74	sD	VOI core in 256-leveled Gadolinium enhanced T1-
		weighted image.
	T1Gd core GLRIMR1n	Standard deviation of RUN LENGTH NON-UNIFORMITY
75	SD	in VOI core in 256-leveled Gadolinium enhanced
-		T1-weighted image.
	T1Gd core GLRIMI.rg	Standard deviation of LOW GRAY LEVEL RUN
76	e SD	EMPHASIS in VOI core in 256-leveled Gadolinium
-		enhanced T1-weighted image.
	T1Gd core GLRIMHrg	Standard deviation of HIGH GRAY LEVEL RUN
77	e SD	EMPHASIS in VOI core in 256-leveled Gadolinium
	<u> </u>	enhanced T1-weighted image.
	TlGd edema Mean	Mean of VOI edema in 256-leveled Gadolinium
78		enhanced T1_weighted image
	T1Cd edoma SD	Standard deviation of VOI odome in 256 loveled
79		Cadolinium onbangod T1 woighted image
		Gaugerintani ennancea II-wergnicea Illage.
	micd adams Mar	Variance of VOI edema in 256 leveled Cadelinium
80	T1Gd_edema_Var	Variance of VOI_edema in 256-leveled Gadolinium

81	T1Gd_edema_RMS	Root Mean Square of VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
82	T1Gd_edema_Max	Maximum of VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
83	T1Gd_edema_Min	Minimum of VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
84	T1Gd_edema_Median	Median of VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
85	T1Gd_edema_Mode	Mode of VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
86	T1Gd_edema_Entropy	Entropy of VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
87	T1Gd_edema_Kurtosi s	Kurtosis of VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
88	T1Gd_edema_Skewnes s	Skewness of VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
89	T1Gd_edema_GLCMcon trast_1	Mean contrast of GLCM in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 1.
90	T1Gd_edema_GLCMcon trast_2	Mean contrast of GLCM in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 2.
91	T1Gd_edema_GLCMcon trast_3	Mean contrast of GLCM in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 3.
92	T1Gd_edema_GLCMene rgy_1	Mean energy of GLCM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image with offset set to 1.
93	T1Gd_edema_GLCMene rgy_2	Mean energy of GLCM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image with offset set to 2.
94	T1Gd_edema_GLCMene rgy_3	Mean energy of GLCM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image with offset set to 3.
95	T1Gd_edema_GLCMhom ogeniety_1	Mean homogeneity of GLCM in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 1.
96	T1Gd_edema_GLCMhom ogeniety_2	Mean homogeneity of GLCM in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 2.
97	T1Gd_edema_GLCMhom ogeniety_3	Mean homogeneity of GLCM in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image with offset set to 3.
98	T1Gd_edema_GLRLMSr e	Short run emphasis of GLRLM in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image.
99	T1Gd_edema_GLRLMLr e	Long run emphasis of GLRLM in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image.
100	T1Gd_edema_GLRLMG1 n	GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
101	T1Gd_edema_GLRLMRp	RUN PERCENTAGE of GLRLM in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image.
102	T1Gd_edema_GLRLMRl n	RUN LENGTH NON-UNIFORMITY in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image.
103	T1Gd_edema_GLRLMLr ge	LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256- leveled Gadolinium enhanced T1-weighted image.
104	T1Gd_edema_GLRLMHr ge	HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.

	TIGd_edema_GLCMcon	Standard deviation of contrast of GLCM in
105	trast_1_SD	VOI_edema in 256-leveled Gadolinium enhanced T1-
		weighted image with offset set to 1.
	T1Gd_edema_GLCMcon	Standard deviation of contrast of GLCM in
106	trast_2_SD	VOI_edema in 256-leveled Gadolinium enhanced T1-
		weighted image with offset set to 2.
	T1Gd_edema_GLCMcon	Standard deviation of contrast of GLCM in
107	trast 3 SD	VOI edema in 256-leveled Gadolinium enhanced T1-
		weighted image with offset set to 3.
	T1Gd edema GLCMene	Standard deviation of energy of GLCM in
108	rgy 1 SD	VOI edema in 256-leveled Gadolinium enhanced T1-
		weighted image with offset set to 1.
	T1Gd edema GLCMene	Standard deviation of energy of GLCM in
109	rgy 2 SD	VOI edema in 256-leveled Gadolinium enhanced T1-
200	-91_2_00	weighted image with offset set to 2
	T1Cd edema CI.CMene	Standard deviation of energy of CLCM in
110	ray 2 gp	VOL odoma in 256 lovalad Cadalinium anhanged T
110	Igy_3_5D	voi_edema in 250-ievered Gadoiinium ennanced ii-
<u> </u>	mich odomo creather	Standard deviation of homogeneity of CLON is
111	agoniotu 1 CD	Standard deviation of nomogeneity of GLCM in
111	ogeniety_1_SD	voi edema in 200-ievelea Gadolinium ennanced TI-
		weighted image with offset set to 1.
	TIGd_edema_GLCMhom	Standard deviation of homogeneity of GLCM in
112	ogeniety_2_SD	VOI_edema in 256-leveled Gadolinium enhanced Tl-
		weighted image with offset set to 2.
	T1Gd_edema_GLCMhom	Standard deviation of homogeneity of GLCM in
113	ogeniety_3_SD	VOI_edema in 256-leveled Gadolinium enhanced T1-
		weighted image with offset set to 3.
	T1Gd_edema_GLRLMSr	Standard deviation of Short run emphasis of
114	e_SD	GLRLM in VOI_edema in 256-leveled Gadolinium
		enhanced T1-weighted image.
	T1Gd_edema_GLRLMLr	Standard deviation of Long run emphasis of GLRLM
115	T1Gd_edema_GLRLMLr e_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced
115	T1Gd_edema_GLRLMLr e_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
115	T1Gd_edema_GLRLMLr e_SD T1Gd edema GLRLMG1	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY
115	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI edema in 256-leveled Gadolinium
115 116	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
115 116	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in
115 116 117	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI edema in 256-leveled Gadolinium enhanced T1-
115 116 117	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image.
115 116 117	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY
115 116 117 118	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI edema in 256-leveled Gadolinium enhanced
115 116 117 118	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
115 116 117 118	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN
115 116 117 118 119	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI edema in 256-leveled Gadolinium
115 116 117 118 119	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
115 116 117 118 119	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN
115 116 117 118 119	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium
115 116 117 118 119 120	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
115 116 117 118 119 120	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
115 116 117 118 119 120 121	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
115 116 117 118 119 120 121	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image.
115 116 117 118 119 120 121 122	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean T2_core_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of VOI_core in 256-leveled image.
115 116 117 118 119 120 121 122	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean T2_core_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of VI_core in 256-leveled Gadolinium enhanced T1-weighted image.
115 116 117 118 119 120 121 122 123	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean T2_core_SD T2_core_Var	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Mean of VOI_core in 256-leveled T2-weighted image. Standard deviation of VOI_core in 256-leveled T2-weighted image.
 115 116 117 118 119 120 121 122 123 	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean T2_core_SD T2_core_Var	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Mean of VOI_core in 256-leveled T2-weighted image. Standard deviation of VOI_core in 256-leveled T2-weighted image.
 115 116 117 118 119 120 121 122 123 124 	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean T2_core_SD T2_core_Var T2_core_RMS	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Mean of VOI_core in 256-leveled T2-weighted image. Standard deviation of VOI_core in 256-leveled T2-weighted image. Variance of VOI_core in 256-leveled T2-weighted image. Root Mean Square of VOI_core in 256-leveled T2-
 115 116 117 118 119 120 121 122 123 124 	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean T2_core_SD T2_core_Var T2_core_RMS	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of VOI_core in 256-leveled T2-weighted image. Variance of VOI_core in 256-leveled T2-weighted image. Root Mean Square of VOI_core in 256-leveled T2- weighted image.
 115 116 117 118 119 120 121 122 123 124 125 	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean T2_core_SD T2_core_Var T2_core_RMS T2_core_RMS T2_core_Max	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of VOI_core in 256-leveled T2-weighted image. Standard deviation of VOI_core in 256-leveled T2-weighted image. Nation of VOI_core in 256-leveled T2-weighted image. Root Mean Square of VOI_core in 256-leveled T2-weighted image. Maximum of VOI_core in 256-leveled T2-weighted image.
 115 116 117 118 119 120 121 122 123 124 125 	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean T2_core_SD T2_core_Var T2_core_RMS T2_core_Max	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Mean of VOI_core in 256-leveled T2-weighted image. Standard deviation of VOI_core in 256-leveled T2-weighted image. Root Mean Square of VOI_core in 256-leveled T2- weighted image. Maximum of VOI_core in 256-leveled T2-weighted image.
 115 116 117 118 119 120 121 122 123 124 125 126 	T1Gd_edema_GLRLMLr e_SD T1Gd_edema_GLRLMG1 n_SD T1Gd_edema_GLRLMRp _SD T1Gd_edema_GLRLMR1 n_SD T1Gd_edema_GLRLMLr ge_SD T1Gd_edema_GLRLMHr ge_SD T2_core_Mean T2_core_SD T2_core_SD T2_core_Var T2_core_RMS T2_core_Max T2_core_Min	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image. Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image. Standard deviation of YOI_core in 256-leveled Image. Standard deviation of VOI_core in 256-leveled Image. Variance of VOI_core in 256-leveled T2-weighted image. Root Mean Square of VOI_core in 256-leveled T2-weighted image. Maximum of VOI_core in 256-leveled T2-weighted image.

127	T2_core_Median	Median of VOI_core in 256-leveled T2-weighted
128	T2_core_Mode	Mode of VOI_core in 256-leveled T2-weighted
	T2 core Entropy	image.
129	12_core_micropy	image.
130	T2_core_Kurtosis	Kurtosis of VOI_core in 256-leveled T2-weighted image.
131	T2_core_Skewness	Skewness of VOI_core in 256-leveled T2-weighted image.
132	T2_core_GLCMcontra st_1	Mean contrast of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 1.
133	T2_core_GLCMcontra st_2	Mean contrast of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 2.
134	T2_core_GLCMcontra	Mean contrast of GLCM in VOI_core in 256-leveled
135	T2_core_GLCMenergy	Mean energy of GLCM in VOI_core in 256-leveled
136	T2_core_GLCMenergy	Mean energy of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 2.
137	T2_core_GLCMenergy _3	Mean energy of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 3.
138	T2_core_GLCMhomoge niety_1	Mean homogeneity of GLCM in VOI_core in 256- leveled T2-weighted image with offset set to 1.
139	T2_core_GLCMhomoge niety 2	Mean homogeneity of GLCM in VOI_core in 256- leveled T2-weighted image with offset set to 2.
140	T2_core_GLCMhomoge niety 3	Mean homogeneity of GLCM in VOI_core in 256- leveled T2-weighted image with offset set to 3.
141	T2_core_GLRLMSre	Short run emphasis of GLRLM in VOI_core in 256- leveled T2-weighted image.
142	T2_core_GLRLMLre	Long run emphasis of GLRLM in VOI_core in 256- leveled T2-weighted image.
143	T2_core_GLRLMGln	GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_core in 256-leveled T2-weighted image.
144	T2_core_GLRLMRp	RUN PERCENTAGE of GLRLM in VOI_core in 256- leveled T2-weighted image.
145	T2_core_GLRLMRln	RUN LENGTH NON-UNIFORMITY in VOI_core in 256- leveled T2-weighted image.
146	T2_core_GLRLMLrge	LOW GRAY LEVEL RUN EMPHASIS in VOI_core in 256- leveled T2-weighted image.
147	T2_core_GLRLMHrge	HIGH GRAY LEVEL RUN EMPHASIS in VOI_core in 256- leveled T2-weighted image.
148	T2_core_GLCMcontra st_1_SD	Standard deviation of contrast of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 1.
149	T2_core_GLCMcontra st_2_SD	Standard deviation of contrast of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 2.
150	T2_core_GLCMcontra st_3_SD	Standard deviation of contrast of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 3.
151	T2_core_GLCMenergy _1_SD	Standard deviation of energy of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 1.
152	T2_core_GLCMenergy _2_SD	Standard deviation of energy of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 2.
153	T2_core_GLCMenergy _3_SD	Standard deviation of energy of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 3.

154	T2_core_GLCMhomoge	Standard deviation of homogeneity of GLCM in
154		offset set to 1.
	T2_core_GLCMhomoge	Standard deviation of homogeneity of GLCM in
155	niety_2_SD	VOI_core in 256-leveled T2-weighted image with offset set to 2.
	T2_core_GLCMhomoge	Standard deviation of homogeneity of GLCM in
156	niety 3 SD	VOI core in 256-leveled T2-weighted image with
		offset set to 3.
	T2_core_GLRLMSre_S	Standard deviation of Short run emphasis of
157	D	GLRLM in VOI_core in 256-leveled T2-weighted
		image.
158	T2_core_GLRLMLre_S	Standard deviation of Long run emphasis of GLRLM
100	D	in VOI_core in 256-leveled T2-weighted image.
	T2_core_GLRLMGln_S	Standard deviation of GRAY LEVEL NON-UNIFORMITY
159	D	of GLRLM in VOI_core in 256-leveled T2-weighted
		image.
160	T2_core_GLRLMRp_SD	Standard deviation of RUN PERCENTAGE of GLRLM in
100		VOI_core in 256-leveled T2-weighted image.
161	T2_core_GLRLMRln_S	Standard deviation of RUN LENGTH NON-UNIFORMITY
101	D	in VOI_core in 256-leveled T2-weighted image.
	T2_core_GLRLMLrge_	Standard deviation of LOW GRAY LEVEL RUN
162	SD	EMPHASIS in VOI_core in 256-leveled T2-weighted
		image.
	T2_core_GLRLMHrge_	Standard deviation of HIGH GRAY LEVEL RUN
163	SD	EMPHASIS in VOI_core in 256-leveled T2-weighted
		image.
1.6.4	T2_edema_Mean	Mean of VOI_edema in 256-leveled T2-weighted
164		image.
1.65	T2_edema_SD	Standard deviation of VOI_edema in 256-leveled
165		T2-weighted image.
166	T2_edema_Var	Variance of VOI_edema in 256-leveled T2-weighted
100		image.
167	T2_edema_RMS	Root Mean Square of VOI_edema in 256-leveled T2-
107		weighted image.
168	T2_edema_Max	Maximum of VOI_edema in 256-leveled T2-weighted
100		image.
169	T2_edema_Min	Minimum of VOI_edema in 256-leveled T2-weighted
105		image.
170	T2_edema_Median	Median of VOI_edema in 256-leveled T2-weighted
1/0		image.
171	T2_edema_Mode	Mode of VOI_edema in 256-leveled T2-weighted
- / -		image.
172	T2_edema_Entropy	Entropy of VOI_edema in 256-leveled T2-weighted
- / 4		image.
173	T2_edema_Kurtosis	Kurtosis of VOI_edema in 256-leveled T2-weighted
-/ -		image.
174	T2_edema_Skewness	Skewness of VOI_edema in 256-leveled T2-weighted
-/1		image.
175	T2_edema_GLCMcontr	Mean contrast of GLCM in VOI_edema in 256-
- / 5	_ast_1	leveled T2-weighted image with offset set to 1.
176	T2_edema_GLCMcontr	Mean contrast of GLCM in VOI_edema in 256-
- 10	ast_2	leveled T2-weighted image with offset set to 2.
177	T2_edema_GLCMcontr	Mean contrast of GLCM in VOI_edema in 256-
±''	ast_3	leveled T2-weighted image with offset set to 3.
178	T2_edema_GLCMenerg	Mean energy of GLCM in VOI_edema in 256-leveled
1/0	<u>y_1</u>	T2-weighted image with offset set to 1.
179	T2_edema_GLCMenerg	Mean energy of GLCM in VOI_edema in 256-leveled
	y_2	T2-weighted image with offset set to 2.
180	T2_edema_GLCMenerg	Mean energy of GLCM in VOI_edema in 256-leveled
100	у_3	T2-weighted image with offset set to 3.

181	T2_edema_GLCMhomog enjety 1	Mean homogeneity of GLCM in VOI_edema in 256- leveled T2-weighted image with offset set to 1.
182	T2_edema_GLCMhomog	Mean homogeneity of GLCM in VOI_edema in 256-
100	T2 edema GLCMhomog	Mean homogeneity of GLCM in VOI edema in 256-
183	eniety_3	leveled T2-weighted image with offset set to 3.
184	T2_edema_GLRLMSre	Short run emphasis of GLRLM in VOI_edema in 256- leveled T2-weighted image.
185	T2_edema_GLRLMLre	Long run emphasis of GLRLM in VOI_edema in 256- leveled T2-weighted image.
186	T2_edema_GLRLMGln	GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled T2-weighted image.
187	T2_edema_GLRLMRp	RUN PERCENTAGE of GLRLM in VOI_edema in 256- leveled T2-weighted image.
188	T2_edema_GLRLMRln	RUN LENGTH NON-UNIFORMITY in VOI_edema in 256-
100	T2 edema GLRLMLrge	LOW GRAY LEVEL RUN EMPHASIS in VOI edema in 256-
183		leveled T2-weighted image.
190	T2_edema_GLRLMHrge	HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-leveled T2-weighted image.
191	T2_edema_GLCMcontr ast_1_SD	Standard deviation of contrast of GLCM in VOI_edema in 256-leveled T2-weighted image with offset set to 1.
192	T2_edema_GLCMcontr ast_2_SD	Standard deviation of contrast of GLCM in VOI_edema in 256-leveled T2-weighted image with offset set to 2.
193	T2_edema_GLCMcontr ast_3_SD	Standard deviation of contrast of GLCM in VOI_edema in 256-leveled T2-weighted image with offset set to 3.
194	T2_edema_GLCMenerg y_1_SD	Standard deviation of energy of GLCM in VOI_edema in 256-leveled T2-weighted image with offset set to 1.
195	T2_edema_GLCMenerg y_2_SD	Standard deviation of energy of GLCM in VOI_edema in 256-leveled T2-weighted image with offset set to 2.
196	T2_edema_GLCMenerg y_3_SD	Standard deviation of energy of GLCM in VOI_edema in 256-leveled T2-weighted image with offset set to 3.
197	T2_edema_GLCMhomog eniety_1_SD	Standard deviation of homogeneity of GLCM in VOI_edema in 256-leveled T2-weighted image with offset set to 1.
198	T2_edema_GLCMhomog eniety_2_SD	Standard deviation of homogeneity of GLCM in VOI_edema in 256-leveled T2-weighted image with offset set to 2.
199	T2_edema_GLCMhomog eniety_3_SD	Standard deviation of homogeneity of GLCM in VOI_edema in 256-leveled T2-weighted image with offset set to 3.
200	T2_edema_GLRLMSre_ SD	Standard deviation of Short run emphasis of GLRLM in VOI_edema in 256-leveled T2-weighted image.
201	T2_edema_GLRLMLre_ SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in 256-leveled T2-weighted image.
202	T2_edema_GLRLMGln_ SD	Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in 256-leveled T2-weighted image.
203	T2_edema_GLRLMRp_S D	Standard deviation of RUN PERCENTAGE of GLRLM in VOI edema in 256-leveled T2-weighted image.
204	T2_edema_GLRLMRln_ SD	Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI edema in 256-leveled T2-weighted image.

	T2_edema_GLRLMLrge	Standard deviation of LOW GRAY LEVEL RUN
205	_SD	EMPHASIS in VOI_edema in 256-leveled T2-weighted image.
	T2_edema_GLRLMHrge	Standard deviation of HIGH GRAY LEVEL RUN
206	_SD	EMPHASIS in VOI_edema in 256-leveled T2-weighted image.
207	T2_prewitt_rim_Mea n	Mean of rim of VOI Prewitt filtered 1) 256- leveled T2-weighted image.
208	T2_prewitt_rim_SD	Standard deviation of Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image.
209	T2_prewitt_rim_Var	Variance of Rim of VOI Prewitt filtered 1) 256- leveled T2-weighted image.
210	T2_prewitt_rim_RMS	Root Mean Square of Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image.
211	T2_prewitt_rim_Max	Maximum of Rim of VOI Prewitt filtered 1) 256- leveled T2-weighted image.
212	T2_prewitt_rim_Min	Minimum of Rim of VOI Prewitt filtered 1) 256- leveled T2-weighted image.
213	T2_prewitt_rim_Med ian	Median of Rim of VOI Prewitt filtered 1) 256- leveled T2-weighted image.
214	T2_prewitt_rim_Mod e	Mode of Rim of VOI Prewitt filtered 1) 256- leveled T2-weighted image.
215	T2_prewitt_rim_Ent ropy	Entropy of Rim of VOI Prewitt filtered 1) 256- leveled T2-weighted image.
216	T2_prewitt_rim_Kur tosis	Kurtosis of Rim of VOI Prewitt filtered 1) 256- leveled T2-weighted image.
217	T2_prewitt_rim_Ske wness	Skewness of Rim of VOI Prewitt filtered 1) 256- leveled T2-weighted image.
	T2_prewitt_rim_GLC	Mean contrast of GLCM in Rim of VOI Prewitt
218	Mcontrast_1	filtered 1) 256-leveled T2-weighted image with offset set to 1.
219	T2_prewitt_rim_GLC Mcontrast_2	Mean contrast of GLCM in Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image with offset set to 2.
	T2_prewitt_rim_GLC	Mean contrast of GLCM in Rim of VOI Prewitt
220	Mcontrast_3	filtered 1) 256-leveled T2-weighted image with offset set to 3.
	T2_prewitt_rim_GLC	Mean energy of GLCM in Rim of VOI Prewitt
221	Menergy_1	filtered 1) 256-leveled T2-weighted image with offset set to 1.
222	T2_prewitt_rim_GLC Menergy_2	Mean energy of GLCM in Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image with offset set to 2.
222	T2_prewitt_rim_GLC	Mean energy of GLCM in Rim of VOI Prewitt
225	menergy_5	offset set to 3.
224	T2_prewitt_rim_GLC Mhomogeniety_1	filtered 1) 256-leveled T2-weighted image with
		offset set to 1.
225	T2_prewitt_rim_GLC Mhomogeniety_2	Mean homogeneity of GLCM in Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image with offset set to 2.
	T2_prewitt_rim_GLC	Mean homogeneity of GLCM in Rim of VOI Prewitt
226	Mhomogeniety_3	filtered 1) 256-leveled T2-weighted image with offset set to 3.
227	T2_prewitt_rim_GLR LMSre	Short run emphasis of GLRLM in Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image.
228	T2_prewitt_rim_GLR LMLre	Long run emphasis of GLRLM in Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image.

	T2 prewitt rim GLR	GRAY LEVEL NON-UNIFORMITY of GLRLM in Rim of VOI
229	LMGln	Prewitt filtered 1) 256-leveled T2-weighted
		image.
	T2 prewitt rim GLR	RUN PERCENTAGE of GLRLM in Rim of VOI Prewitt
230	LMRp	filtered 1) 256-leveled T2-weighted image.
	T2 prewitt rim GLR	RUN LENGTH NON-UNIFORMITY in Rim of VOI Prewitt
231	LMRln	filtered 1) 256-leveled T2-weighted image.
	T2 prewitt rim GLR	LOW GRAY LEVEL RUN EMPHASIS in Rim of VOI
232	LMLrge	Prewitt filtered 1) 256-leveled T2-weighted
		image.
	T2 prewitt rim GLR	HIGH GRAY LEVEL RUN EMPHASIS in Rim of VOI
233	LMHrge	Prewitt filtered 1) 256-leveled T2-weighted
		image.
	T2 prewitt rim GLC	Standard deviation of contrast of GLCM in Rim of
234	Mcontrast 1 SD	VOI Prewitt filtered 1) 256-leveled T2-weighted
		image with offset set to 1.
	T2 prewitt rim GLC	Standard deviation of contrast of GLCM in Rim of
235	Mcontrast 2 SD	VOI Prewitt filtered 1) 256-leveled T2-weighted
		image with offset set to 2.
	T2 prewitt rim GLC	Standard deviation of contrast of GLCM in Rim of
236	Mcontrast 3 SD	VOI Prewitt filtered 1) 256-leveled T2-weighted
		image with offset set to 3.
	T2 prewitt rim GLC	Standard deviation of energy of GLCM in Rim of
237	Menergy 1 SD	VOI Prewitt filtered 1) 256-leveled T2-weighted
		image with offset set to 1.
	T2 prewitt rim GLC	Standard deviation of energy of GLCM in Rim of
238	Menergy_2_SD	VOI Prewitt filtered 1) 256-leveled T2-weighted
		image with offset set to 2.
	T2_prewitt_rim_GLC	Standard deviation of energy of GLCM in Rim of
239	Menergy_3_SD	VOI Prewitt filtered 1) 256-leveled T2-weighted
		image with offset set to 3.
	T2_prewitt_rim_GLC	Standard deviation of homogeneity of GLCM in Rim
240	Mhomogeniety_1_SD	of VOI Prewitt filtered 1) 256-leveled T2-
		weighted image with offset set to 1.
	T2_prewitt_rim_GLC	Standard deviation of homogeneity of GLCM in Rim
241	Mhomogeniety_2_SD	of VOI Prewitt filtered 1) 256-leveled T2-
		weighted image with offset set to 2.
	T2_prewitt_rim_GLC	Standard deviation of homogeneity of GLCM in Rim
242	Mnomogeniety_3_SD	of VOI Prewitt filtered 1) 256-leveled T2-
		Weighted image with offset set to 3.
242	T2_prewitt_rim_GLR	Standard deviation of Short run emphasis of
243	TWPI6_2D	Lowolod T2 woighted image
	mo provide rie (T.D.	teveled T2-Weighted image.
211	INTRO SD	in Dim of VOT Drowitt filtered 1) 256 loweled
244		TIL KIM OF VOI FIEWILL IIILEIEU I) 200-LEVELED
	T2 prewitt rim CIP	Standard deviation of CRAV LEVEL NON UNITEODMITY
245	I.MGln SD	of GLRIM in Rim of VOI Prewitt filtered 1) 256
245	HIGH_5D	leveled T2_weighted image
	T2 prewitt rim CIP	Standard deviation of RUN PERCENTAGE of CLRIM in
246	LMRn SD	Rim of VOI Prewitt filtered 1) 256_loveled T?
210	D	weighted image.
	T2 prewitt rim CLR	Standard deviation of RUN LENGTH NON-UNIFORMITY
247	IMRIn SD	in Rim of VOI Prewitt filtered 1) 256-leveled
/		T2-weighted image.
	T2 prewitt rim CLR	Standard deviation of LOW GRAY LEVEL RUN
248	LMLrge SD	EMPHASIS in Rim of VOT Prewitt filtered 1) 256-
		leveled T2-weighted image.
	T2 prewitt rim GIR	Standard deviation of HIGH GRAY LEVEL RUN
249	LMHrge SD	EMPHASIS in Rim of VOI Prewitt filtered 1) 256-
		leveled T2-weighted image.
	I	

250	T2_prewitt_rim_GLC Mcorrelation_1	Correlation of GLCM in Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image with offset set to 1.
251	T2_prewitt_rim_GLC Mcorrelation_2	Correlation of GLCM in Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image with offset set to 2.
252	T2_prewitt_rim_GLC Mcorrelation_3	Correlation of GLCM in Rim of VOI Prewitt filtered 1) 256-leveled T2-weighted image with offset set to 3.
253	T2_prewitt_rim_GLC Mcorrelation_1_SD	Standard deviation of Correlation of GLCM in Rim of VOI Prewitt filtered 1) 256-leveled T2- weighted image with offset set to 1.
254	T2_prewitt_rim_GLC Mcorrelation_2_SD	Standard deviation of Correlation of GLCM in Rim of VOI Prewitt filtered 1) 256-leveled T2- weighted image with offset set to 2.
255	T2_prewitt_rim_GLC Mcorrelation_3_SD	Standard deviation of Correlation of GLCM in Rim of VOI Prewitt filtered 1) 256-leveled T2- weighted image with offset set to 3.
256	core_on_MNI_Total_ Surface Area	Total surface area (A) of core_on_MNI.
257	core_on_MNI_Total_ Volume	Total volume (V) of core_on_MNI.
258	<pre>core_on_MNI_Compac tness01</pre>	Value calculated by the following equation of core_on_MNI; V
230		$compactness1 = \frac{1}{\sqrt{\pi} * A^{\frac{2}{3}}}$
259	core_on_MNI_Compac tness02	Value calculated by the following equation of core_on_MNI; A^2
		$compactness2 = 36\pi \frac{1}{V^3}$
	core_on_MNI_Spheri cal_Disporoportion	Value calculated by the following equation of core_on_MNI;
260		spherical_disproportion = $\frac{A}{4\pi * R^2} = \frac{A}{(6\sqrt{\pi} * V)^2}$
	<pre>core_on_MNI_Spheri city</pre>	Value calculated by the following equation of core_on_MNI;
261		sphericity = $\frac{(6\pi^2 V)^{\frac{2}{3}}}{A}$
	core_on_MNI_Surfac e_to_Volume_ratio	Value calculated by the following equation of core_on_MNI;
262		$surface_volume_ratio = \frac{A}{V}$
263	edema_on_MNI_Total _Surface_Area	Total surface area (A) of edema_on_MNI.
264	edema_on_MNI_Total _Volume	Total volume (V) of edema_on_MNI.
	edema_on_MNI_Compa ctness01	Value calculated by the following equation of edema_on_MNI;
265		$compactness1 = \frac{V}{\sqrt{1-\frac{2}{2}}}$
	edema on MNT Compa	$\sqrt{\pi} * A^3$ Value calculated by the following equation of
266	ctness02	edema_on_MNI;

		$compactness2 = 36\pi \frac{A^2}{V^3}$
	edema_on_MNI_Spher ical_Disporoportio	Value calculated by the following equation of edema_on_MNI;
267	11	spherical_disproportion = $\frac{A}{4\pi * R^2} = \frac{A}{(6\sqrt{\pi} * V)^2}$
	edema_on_MNI_Spher icity	Value calculated by the following equation of edema_on_MNI;
268		sphericity = $\frac{(6\pi^2 V)^{\frac{2}{3}}}{A}$
	edema_on_MNI_Surfa ce_to_Volume_ratio	Value calculated by the following equation of edema_on_MNI;
269		$surface_volume_ratio = \frac{A}{V}$
270	T1Gd_edema_GLCMcor relation_1	Correlation of GLCM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image with offset set to 1.
271	T1Gd_edema_GLCMcor relation_2	Correlation of GLCM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image with offset set to 2.
272	T1Gd_edema_GLCMcor relation_3	Correlation of GLCM in VOI_edema in 256-leveled Gadolinium enhanced T1-weighted image with offset set to 3.
273	T1Gd_edema_GLCMcor relation_1_SD	Standard deviation of Correlation of GLCM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image with offset set to 1.
274	T1Gd_edema_GLCMcor relation_2_SD	Standard deviation of Correlation of GLCM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image with offset set to 2.
275	T1Gd_edema_GLCMcor relation_3_SD	Standard deviation of Correlation of GLCM in VOI_edema in 256-leveled Gadolinium enhanced T1- weighted image with offset set to 3.
276	T1_core_Mean	Mean of VOI_core in 256-leveled T1-weighted image.
277	T1_core_SD	Standard deviation of VOI_core in 256-leveled T1-weighted image.
278	T1_core_Var	Variance of VOI_core in 256-leveled T1-weighted image.
279	T1_core_RMS	Root Mean Square of VOI_core in 256-leveled T1- weighted image.
280	T1_core_Max	Maximum of VOI_core in 256-leveled T1-weighted image.
281	T1_core_Min	Minimum of VOI_core in 256-leveled T1-weighted image.
282	T1_core_Median	Median of VOI_core in 256-leveled T1-weighted image.
283	T1_core_Mode	Mode of VOI_core in 256-leveled T1-weighted image.
284	T1_core_Entropy	Entropy of VOI_core in 256-leveled T1-weighted image.
285	T1_core_Kurtosis	Kurtosis of VOI_core in 256-leveled T1-weighted image.
286	T1_core_Skewness	Skewness of VOI_core in 256-leveled T1-weighted image.
287	T1_core_GLCMcontra st_1	Mean contrast of GLCM in VOI_core in 256-leveled T1-weighted image with offset set to 1.

288	T1_core_GLCMcontra	Mean contrast of GLCM in VOI_core in 256-leveled
	2	Tl-weighted image with offset set to 2.
289	T1_core_GLCMcontra st 3	Mean contrast of GLCM in VOI_core in 256-leveled T1-weighted image with offset set to 3.
290	T1_core_GLCMenergy	Mean energy of GLCM in VOI_core in 256-leveled
		TI-weighted image with offset set to 1.
291	_2	T1-weighted image with offset set to 2.
292	T1_core_GLCMenergy	Mean energy of GLCM in VOI_core in 256-leveled
		T1-weighted image with offset set to 3.
293	TI_core_GLCMnomoge niety_1	leveled T1-weighted image with offset set to 1.
294	T1_core_GLCMhomoge niety 2	Mean homogeneity of GLCM in VOI_core in 256- leveled T1-weighted image with offset set to 2.
205	T1_core_GLCMhomoge	Mean homogeneity of GLCM in VOI_core in 256-
295	niety_3	leveled T1-weighted image with offset set to 3.
296	T1_core_GLRLMSre	Short run emphasis of GLRLM in VOI_core in 256- leveled T1-weighted image.
297	T1_core_GLRLMLre	Long run emphasis of GLRLM in VOI_core in 256-
/ /		leveled T1-weighted image.
298	T1_core_GLRLMGln	GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_core in 256-leveled T1-weighted image.
299	T1_core_GLRLMRp	RUN PERCENTAGE of GLRLM in VOI_core in 256-
		leveled Tl-weighted image.
300	TI_core_GLRLMRIn	RUN LENGTH NON-UNIFORMITY in VOI_core in 256-
	T1 core CLRIMIrge	LOW GRAV LEVEL RUN EMPHASIS in VOL core in 256-
301	II_COLE_GUICHEIIGE	leveled T1-weighted image.
	T1 core GLRLMHrge	HIGH GRAY LEVEL RUN EMPHASIS in VOI core in 256-
302		leveled T1-weighted image.
	T1_core_GLCMcontra	Standard deviation of contrast of GLCM in
303	st_1_SD	VOI_core in 256-leveled T1-weighted image with
	T1 core GLCMcontra	Standard deviation of contrast of GLCM in
304	st 2 SD	VOI core in 256-leveled T1-weighted image with
		offset set to 2.
	T1_core_GLCMcontra	Standard deviation of contrast of GLCM in
305	st_3_SD	VOI_core in 256-leveled T1-weighted image with
		offset set to 3.
200	T1_core_GLCMenergy	Standard deviation of energy of GLCM in VOI_core
306	_1_SD	to 1
	Tl core GLCMenergy	Standard deviation of energy of GLCM in VOI core
307	2 SD	in 256-leveled T1-weighted image with offset set
		to 2.
	T1_core_GLCMenergy	Standard deviation of energy of GLCM in VOI_core
308	_3_SD	in 256-leveled T1-weighted image with offset set
		to 3.
2.25	T1_core_GLCMhomoge	Standard deviation of homogeneity of GLCM in
309	niety_1_SD	voi_core in 250-leveled Ti-weighted image with
	T1 core GLCMhomoge	Standard deviation of homogeneity of GLCM in
310	niety 2 SD	VOI core in 256-leveled T1-weighted image with
	<u> </u>	offset set to 2.
	T1_core_GLCMhomoge	Standard deviation of homogeneity of GLCM in
311	niety_3_SD	VOI_core in 256-leveled T1-weighted image with
	-	offset set to 3.
	T1_core_GLRLMSre_S	Standard deviation of Short run emphasis of
312	ע	GLKLM in VOI_core in 256-leveled Tl-weighted

313	T1_core_GLRLMLre_S	Standard deviation of Long run emphasis of GLRLM
	Tl core GLRLMGln S	Standard deviation of GRAY LEVEL NON-UNIFORMITY
314	D	of GLRLM in VOI_core in 256-leveled T1-weighted
-	mi sere di Di MDr. dD	1mage.
315	TI_COTE_GLRLMRP_SD	VOI_core in 256-leveled T1-weighted image.
316	T1_core_GLRLMRln_S	Standard deviation of RUN LENGTH NON-UNIFORMITY
-	D The second CLDIMI second	In VOI core in 256-leveled TI-weighted image.
217	TI_core_GLRLMLrge_	Standard deviation of LOW GRAY LEVEL RUN
317	SD	EMPHASIS in VOL_core in 256-leveled TL-weighted image.
	T1 core GLRLMHrge	Standard deviation of HIGH GRAY LEVEL RUN
318	SD	EMPHASIS in VOI core in 256-leveled T1-weighted
		image.
210	T1 edema Mean	Mean of VOI edema in 256-leveled T1-weighted
319		image.
320	T1_edema_SD	Standard deviation of VOI_edema in 256-leveled
520		T1-weighted image.
321	T1_edema_Var	Variance of VOI_edema in 256-leveled T1-weighted
		image.
322	T1_edema_RMS	Root Mean Square of VOI_edema in 256-leveled T1-
	m1 adams Mar	weighted image.
323	TI_edema_Max	Maximum of VOI_edema in 256-leveled TI-weighted
	T1 odoma Min	Lillaye. Minimum of WOI odome in 256 loveled T1 weighted
324		image
	Tl edema Median	Median of VOI edema in 256-leveled T1 weighted
325	TT_EAGUA_LIGATAII	image.
	T1 edema Mode	Mode of VOI edema in 256-leveled T1-weighted
326		image.
227	T1_edema_Entropy	Entropy of VOI_edema in 256-leveled T1-weighted
521		image.
328	T1_edema_Kurtosis	Kurtosis of VOI_edema in 256-leveled T1-weighted
		image.
329	T1_edema_Skewness	Skewness of VOI_edema in 256-leveled T1-weighted
	mi ala cressi	image.
330	'T'1_edema_GLCMcontr	Mean contrast of GLCM in VOI edema in 256-
	ast_1	revered TI-Weighted image with offset set to 1.
331	act 2	Mean contrast of GLCM in VOL_edema in 200-
	T1 edema CLCMcontr	Mean contrast of GLCM in VOT edema in 256
332	ast 3	leveled T1-weighted image with offset set to 3.
	T1 edema GLCMenerg	Mean energy of GLCM in VOI edema in 256-leveled
333	y_1	T1-weighted image with offset set to 1.
224	T1_edema_GLCMenerg	Mean energy of GLCM in VOI_edema in 256-leveled
554	y_2	T1-weighted image with offset set to 2.
335	T1_edema_GLCMenerg	Mean energy of GLCM in VOI_edema in 256-leveled
555	<u>у_</u> 3	T1-weighted image with offset set to 3.
336	T1_edema_GLCMhomog	Mean homogeneity of GLCM in VOI_edema in 256-
	eniety_1	leveled T1-weighted image with offset set to 1.
337	T1_edema_GLCMhomog	Mean homogeneity of GLCM in VOI_edema in 256-
	EILETY Z	Tevered TI-werghted image with OIISet Set to 2.
338	TI_edema_GLCMnomog	mean nomogeneity of GLCM in VOL_edema in 256-
	T1 odoma CI DI MGro	Short run emphasis of CIDIM in NOT odoma in 256
339	TT_EAGUIA_ATKTNPIG	leveled T1-weighted image.
	T1 edema GLRLMLre	Long run emphasis of GLRLM in VOI edema in 256-
340		leveled T1-weighted image.
2/1	T1_edema_GLRLMGln	GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI edema
341		in 256-leveled T1-weighted image.

342	T1_edema_GLRLMRp	RUN PERCENTAGE of GLRLM in VOI_edema in 256- leveled T1-weighted image.
343	T1_edema_GLRLMRln	RUN LENGTH NON-UNIFORMITY in VOI_edema in 256- leveled T1-weighted image.
344	T1_edema_GLRLMLrge	LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in 256-
345	T1_edema_GLRLMHrge	HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in
	T1 edema GLCMcontr	Standard deviation of contrast of GLCM in
346	ast_1_SD	VOI_edema in 256-leveled T1-weighted image with offset set to 1.
	T1 edema GLCMcontr	Standard deviation of contrast of GLCM in
347	ast_2_SD	VOI_edema in 256-leveled T1-weighted image with offset set to 2.
	T1_edema_GLCMcontr	Standard deviation of contrast of GLCM in
348	ast_3_SD	VOI_edema in 256-leveled T1-weighted image with offset set to 3.
	T1_edema_GLCMenerg	Standard deviation of energy of GLCM in
349	y_1_SD	VOI_edema in 256-leveled T1-weighted image with offset set to 1.
	T1_edema_GLCMenerg	Standard deviation of energy of GLCM in
350	y_2_SD	VOI_edema in 256-leveled T1-weighted image with
	Tl edema GLCMenerg	Standard deviation of energy of GLCM in
351	y 3 SD	VOI edema in 256-leveled T1-weighted image with
		offset set to 3.
	T1_edema_GLCMhomog	Standard deviation of homogeneity of GLCM in
352	eniety_1_SD	VOI_edema in 256-leveled T1-weighted image with offset set to 1.
	T1_edema_GLCMhomog	Standard deviation of homogeneity of GLCM in
353	eniety_2_SD	VOI_edema in 256-leveled T1-weighted image with offset set to 2.
	T1_edema_GLCMhomog	Standard deviation of homogeneity of GLCM in
354	eniety_3_SD	VOI_edema in 256-leveled T1-weighted image with offset set to 3.
	T1_edema_GLRLMSre_	Standard deviation of Short run emphasis of
355	SD	GLRLM in VOI_edema in 256-leveled Tl-weighted image.
256	T1_edema_GLRLMLre	Standard deviation of Long run emphasis of GLRLM
300	SD	in VOI_edema in 256-leveled T1-weighted image.
	T1_edema_GLRLMGln_	Standard deviation of GRAY LEVEL NON-UNIFORMITY
357	20	or GLKLM in VOI_edema in 256-leveled TI-weighted
	T1 edema GLRLMRp S	Standard deviation of RUN PERCENTAGE of CLRLM in
358	D	VOI_edema in 256-leveled T1-weighted image.
359	T1_edema_GLRLMRln_	Standard deviation of RUN LENGTH NON-UNIFORMITY
555	SD	in VOI_edema in 256-leveled T1-weighted image.
260	'I'1_edema_GLRLMLrge	Standard deviation of LOW GRAY LEVEL RUN
300		image.
	T1 edema GLRLMHrge	Standard deviation of HIGH GRAY LEVEL RUN
361	SD	EMPHASIS in VOI_edema in 256-leveled T1-weighted
		image.
362	T2_edema_GLCMcorre	Correlation of GLCM in VOI_edema in 256-leveled
	lation_1	T2-weighted image with offset set to 1.
363	T2_edema_GLCMcorre	CORRELATION OF GLCM IN VOL_edema in 256-leveled
	T2 edema CLCMcorre	Correlation of GLCM in VOI edema in 256-leveled
364	12_edema_GLOPICOTTE	T2 woighted image with offget get to 3

365	T2_edema_GLCMcorre lation_1_SD	Standard deviation of Correlation of GLCM in VOI_edema in 256-leveled T2-weighted image with
		offset set to 1.
266	12_edema_GLCMcorre	Standard deviation of Correlation of GLCM in
300	lation_2_SD	vol_edema in 256-leveled T2-weighted image with
	T2 edema CLCMcorre	Standard deviation of Correlation of GLCM in
367	lation 3 SD	VOL edema in 256 -leveled $T2$ -weighted image with
507		offset set to 3.
368	z score core Mean	Mean of VOI core in Gdzscore 2).
369	z score core SD	Standard deviation of VOI core in Gdzscore 2).
370	z score core Var	Variance of VOI core in Gdzscore 2).
371	z score core RMS	Root Mean Square of VOI core in Gdzscore 2).
372	z_score_core_Max	Maximum of VOI_core in Gdzscore 2).
373	z_score_core_Min	Minimum of VOI_core in Gdzscore 2).
374	z_score_core_Media n	Median of VOI_core in Gdzscore 2).
375	z score core Mode	Mode of VOI core in Gdzscore 2).
270	z_score_core_Entro	Entropy of VOI_core in Gdzscore 2).
3/6	ру	
377	z_score_core_Kurto sis	Kurtosis of VOI_core in Gdzscore 2).
378	z_score_core_Skewn	Skewness of VOI_core in Gdzscore 2).
	ess	
379	z_score_core_GLCMc	Mean contrast of GLCM in VOI_core in Gdzscore 2)
	ontrast_1	with offset set to 1.
380	z_score_core_GLCMC ontrast 2	with offset set to 2.
	z score core GLCMc	Mean contrast of GLCM in VOI core in Gdzscore 2)
381	ontrast_3	with offset set to 3.
202	z_score_core_GLCMe	Mean energy of GLCM in VOI_core in Gdzscore 2)
302	nergy_1	with offset set to 1.
383	z_score_core_GLCMe	Mean energy of GLCM in VOI_core in Gdzscore 2)
	nergy_2	with offset set to 2.
384	z_score_core_GLCMe	Mean energy of GLCM in VOI_core in Gdzscore 2)
	nergy_3	With offset set to 3.
385	omogeniety_1	2) with offset set to 1.
386	z_score_core_GLCMh	Mean homogeneity of GLCM in VOI_core in Gdzscore
200	omogeniety_2	2) with offset set to 2.
387	z_score_core_GLCMh	Mean homogeneity of GLCM in VOI_core in Gdzscore
	omogeniety_3	2) with offset set to 3.
388	z_score_core_GLRLM	Short run emphasis of GLRLM in VOI_core in
	STG	Long run emphasis of CIPIM in VOT core in
389	Z_SCOLE_COLE_GEREM	Edgscore 2).
	Z SCORE CORE CLRIM	GRAY LEVEL NON-UNIFORMITY of GLRIM in VOI core
390	Gln	in Gdzscore 2).
201	z_score_core_GLRLM	RUN PERCENTAGE of GLRLM in VOI_core in Gdzscore
221	Rp	
392	z_score_core_GLRLM	RUN LENGTH NON-UNIFORMITY in VOI_core in
	Rln	Gdzscore 2).
393	z_score_core_GLRLM	LOW GRAY LEVEL RUN EMPHASIS in VOI_core in
	Lrge	Gazscore 2).
394	z_score_core_GLRLM	Gdzscore 2)
	z score core CLCMa	Standard deviation of contrast of GLCM in
395	ontrast 1 SD	VOI core in Gdzscore 2) with offset set to 1
	z score core GLCMc	Standard deviation of contrast of GLCM in
396	ontrast_2_SD	VOI_core in Gdzscore 2) with offset set to 2.

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z_score_core_GLCMc	Standard deviation of contrast of GLCM in
ontrast_3_SD	VOI_core in Gdzscore 2) with offset set to 3.
z_score_core_GLCMe	Standard deviation of energy of GLCM in VOI_core
nergy_1_SD	in Gdzscore 2) with offset set to 1.
z_score_core_GLCMe	Standard deviation of energy of GLCM in VOI_core
nergy_2_SD	in Gdzscore 2) with offset set to 2.
z_score_core_GLCMe	Standard deviation of energy of GLCM in VOI_core
nergy_3_SD	in Gdzscore 2) with offset set to 3.
z_score_core_GLCMh	Standard deviation of homogeneity of GLCM in
omogeniety_1_SD	VOI_core in Gdzscore 2) with offset set to 1.
z_score_core_GLCMh	Standard deviation of homogeneity of GLCM in
omogeniety_2_SD	VOI_core in Gdzscore 2) with offset set to 2.
z_score_core_GLCMh	Standard deviation of homogeneity of GLCM in
omogeniety_3_SD	VOI_core in Gdzscore 2) with offset set to 3.
z_score_core_GLRLM	Standard deviation of Short run emphasis of
Sre_SD	GLRLM in VOI_core in Gdzscore 2).
z_score_core_GLRLM	Standard deviation of Long run emphasis of GLRLM
Lre_SD	in VOI_core in Gdzscore 2).
z_score_core_GLRLM	Standard deviation of GRAY LEVEL NON-UNIFORMITY
Gln_SD	of GLRLM in VOI_core in Gdzscore 2).
z_score_core_GLRLM	Standard deviation of RUN PERCENTAGE of GLRLM in
Rp_SD	VOI_core in Gdzscore 2).
z_score_core_GLRLM	Standard deviation of RUN LENGTH NON-UNIFORMITY
Rln_SD	in VOI_core in Gdzscore 2).
z_score_core_GLRLM	Standard deviation of LOW GRAY LEVEL RUN
Lrge_SD	EMPHASIS in VOI_core in Gdzscore 2).
z_score_core_GLRLM	Standard deviation of HIGH GRAY LEVEL RUN
Hrge_SD	EMPHASIS in VOI_core in Gdzscore 2).
<u>z_score_edema_Mean</u>	Mean of VOI_edema in Gdzscore 2).
z_score_edema_SD	Standard deviation of VOI_edema in Gdzscore 2).
<u>z_score_edema_Var</u>	Variance of VOI_edema in Gdzscore 2).
z_score_edema_RMS	Root Mean Square of VOI_edema in Gdzscore 2).
z_score_edema_Max	Maximum of VOI_edema in Gdzscore 2).
z_score_edema_Min	Minimum of VOI_edema in Gdzscore 2).
z_score_edema_Medi	Median of VOI_edema in Gdzscore 2).
an	
z_score_edema_Mode	Mode of VOI_edema in Gdzscore 2).
z_score_edema_Entr	Entropy of VOI_edema in Gdzscore 2).
ору — —	
z_score_edema_Kurt	Kurtosis of VOI_edema in Gdzscore 2).
osis – –	
z_score_edema_Skew	Skewness of VOI_edema in Gdzscore 2).
ness	

419		Entropy of vol_edema in Gazscore 2).
420	z_score_edema_Kurt osis	Kurtosis of VOI_edema in Gdzscore 2).
421	z_score_edema_Skew ness	Skewness of VOI_edema in Gdzscore 2).
422	<pre>z_score_edema_GLCM contrast_1</pre>	Mean contrast of GLCM in VOI_edema in Gdzscore 2) with offset set to 1.
423	<pre>z_score_edema_GLCM contrast_2</pre>	Mean contrast of GLCM in VOI_edema in Gdzscore 2) with offset set to 2.
424	<pre>z_score_edema_GLCM contrast_3</pre>	Mean contrast of GLCM in VOI_edema in Gdzscore 2) with offset set to 3.
425	<pre>z_score_edema_GLCM energy_1</pre>	Mean energy of GLCM in VOI_edema in Gdzscore 2) with offset set to 1.
426	z_score_edema_GLCM energy_2	Mean energy of GLCM in VOI_edema in Gdzscore 2) with offset set to 2.
427	<pre>z_score_edema_GLCM energy_3</pre>	Mean energy of GLCM in VOI_edema in Gdzscore 2) with offset set to 3.
428	z_score_edema_GLCM homogeniety_1	Mean homogeneity of GLCM in VOI_edema in Gdzscore 2) with offset set to 1.
429	z_score_edema_GLCM homogeniety_2	Mean homogeneity of GLCM in VOI_edema in Gdzscore 2) with offset set to 2.
430	z_score_edema_GLCM homogeniety 3	Mean homogeneity of GLCM in VOI_edema in Gdzscore 2) with offset set to 3.

431	z_score_edema_GLRL MSre	Short run emphasis of GLRLM in VOI_edema in Gdzscore 2).
432	z_score_edema_GLRL MLre	Long run emphasis of GLRLM in VOI_edema in Gdzscore 2).
433	z_score_edema_GLRL MGln	GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in Gdzscore 2).
434	z_score_edema_GLRL MRp	RUN PERCENTAGE of GLRLM in VOI_edema in Gdzscore 2).
435	z_score_edema_GLRL MRln	RUN LENGTH NON-UNIFORMITY in VOI_edema in Gdzscore 2).
436	z_score_edema_GLRL MLrge	LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in Gdzscore 2).
437	z_score_edema_GLRL MHrge	HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in Gdzscore 2).
438	z_score_edema_GLCM contrast 1 SD	Standard deviation of contrast of GLCM in VOI edema in Gdzscore 2) with offset set to 1.
439	z_score_edema_GLCM contrast 2 SD	Standard deviation of contrast of GLCM in VOI edema in Gdzscore 2) with offset set to 2.
440	z_score_edema_GLCM contrast_3_SD	Standard deviation of contrast of GLCM in VOI_edema in Gdzscore 2) with offset set to 3.
441	z_score_edema_GLCM energy_1_SD	Standard deviation of energy of GLCM in VOI_edema in Gdzscore 2) with offset set to 1.
442	z_score_edema_GLCM energy 2 SD	Standard deviation of energy of GLCM in VOI edema in Gdzscore 2) with offset set to 2.
443	z_score_edema_GLCM energy 3_SD	Standard deviation of energy of GLCM in VOI_edema in Gdzscore 2) with offset set to 3.
444	z_score_edema_GLCM homogeniety_1_SD	Standard deviation of homogeneity of GLCM in VOI_edema in Gdzscore 2) with offset set to 1.
445	z_score_edema_GLCM homogeniety 2 SD	Standard deviation of homogeneity of GLCM in VOI edema in Gdzscore 2) with offset set to 2.
446	z_score_edema_GLCM homogeniety 3 SD	Standard deviation of homogeneity of GLCM in VOI edema in Gdzscore 2) with offset set to 3.
447	z_score_edema_GLRL MSre_SD	Standard deviation of Short run emphasis of GLRLM in VOI edema in Gdzscore 2).
448	z_score_edema_GLRL MLre_SD	Standard deviation of Long run emphasis of GLRLM in VOI_edema in Gdzscore 2).
449	z_score_edema_GLRL MGln_SD	Standard deviation of GRAY LEVEL NON-UNIFORMITY of GLRLM in VOI_edema in Gdzscore 2).
450	z_score_edema_GLRL MRp_SD	Standard deviation of RUN PERCENTAGE of GLRLM in VOI_edema in Gdzscore 2).
451	z_score_edema_GLRL MRln_SD	Standard deviation of RUN LENGTH NON-UNIFORMITY in VOI edema in Gdzscore 2).
452	z_score_edema_GLRL MLrge_SD	Standard deviation of LOW GRAY LEVEL RUN EMPHASIS in VOI_edema in Gdzscore 2).
453	z_score_edema_GLRL MHrge_SD	Standard deviation of HIGH GRAY LEVEL RUN EMPHASIS in VOI_edema in Gdzscore 2).
454	T1_edema_GLCMcorre lation_1	Correlation of GLCM in VOI_edema in 256-leveled T1-weighted image with offset set to 1.
455	T1_edema_GLCMcorre lation_2	Correlation of GLCM in VOI_edema in 256-leveled T1-weighted image with offset set to 2.
456	T1_edema_GLCMcorre lation_3	Correlation of GLCM in VOI_edema in 256-leveled T1-weighted image with offset set to 3.
457	T1_edema_GLCMcorre lation_1_SD	Standard deviation of Correlation of GLCM in VOI_edema in 256-leveled T1-weighted image with offset set to 1.
458	T1_edema_GLCMcorre lation_2_SD	Standard deviation of Correlation of GLCM in VOI_edema in 256-leveled T1-weighted image with offset set to 2.
459	T1_edema_GLCMcorre lation_3_SD	Standard deviation of Correlation of GLCM in VOI_edema in 256-leveled T1-weighted image with offset set to 3.

460	z_score_edema_GLCM	Correlation of GLCM in VOI_edema in Gdzscore 2)
	COTTETACIÓN_I	Correlation of CLCM in MOL adoma in (dagaara 2)
461	z_score_edema_GLCM correlation 2	with offset set to 2.
462	z_score_edema_GLCM correlation 3	Correlation of GLCM in VOI_edema in Gdzscore 2) with offset set to 3.
463	z_score_edema_GLCM correlation 1 SD	Standard deviation of Correlation of GLCM in VOI edema in Gdzscore 2) with offset set to 1.
464	z_score_edema_GLCM correlation 2 SD	Standard deviation of Correlation of GLCM in VOI edema in Gdzscore 2) with offset set to 2.
465	z_score_edema_GLCM	Standard deviation of Correlation of GLCM in VOL edema in Gdzscore 2) with offset set to 3.
466	T1_core_GLCMcorrel	Correlation of GLCM in VOI_core in 256-leveled
467	T1_core_GLCMcorrel	Correlation of GLCM in VOI_core in 256-leveled
468	T1_core_GLCMcorrel	Correlation of GLCM in VOI_core in 256-leveled
	T1_core_GLCMcorrel	Standard deviation of Correlation of GLCM in
469	ation_1_SD	VOI_core in 256-leveled T1-weighted image with offset set to 1.
470	T1_core_GLCMcorrel ation 2 SD	Standard deviation of Correlation of GLCM in VOI core in 256-leveled T1-weighted image with
	The sore CI (Maerrel	offset set to 2.
471	ation_3_SD	VOI_core in 256-leveled T1-weighted image with offset set to 3.
472	T2_core_GLCMcorrel ation_1	Correlation of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 1.
473	T2_core_GLCMcorrel ation_2	Correlation of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 2.
474	T2_core_GLCMcorrel ation_3	Correlation of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 3.
475	T2_core_GLCMcorrel ation_1_SD	Standard deviation of Correlation of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 1.
476	T2_core_GLCMcorrel ation_2_SD	Standard deviation of Correlation of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 2.
477	T2_core_GLCMcorrel ation_3_SD	Standard deviation of Correlation of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 3.
478	T1Gd_core_GLCMcorr elation_1	Correlation of GLCM in VOI_core in 256-leveled Gadolinium enhanced T1-weighted image with offset set to 1.
479	T1Gd_core_GLCMcorr elation_2	Correlation of GLCM in VOI_core in 256-leveled Gadolinium enhanced T1-weighted image with offset set to 2.
480	T1Gd_core_GLCMcorr elation_3	Correlation of GLCM in VOI_core in 256-leveled Gadolinium enhanced T1-weighted image with offset set to 3.
481	T1Gd_core_GLCMcorr elation_1_SD	Standard deviation of Correlation of GLCM in VOI_core in 256-leveled Gadolinium enhanced Gadolinium enhanced T1-weighted image with offset set to 1.
482	T1Gd_core_GLCMcorr elation_2_SD	Standard deviation of Correlation of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 2.
483	T1Gd_core_GLCMcorr elation_3_SD	Standard deviation of Correlation of GLCM in VOI_core in 256-leveled T2-weighted image with offset set to 3.

orrelation 2 SD

orrelation 3 SD

z_score_core GLCMc

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z_score_core_GLCMc	Correlation of GLCM in VOI_core in Gdzscore 2)
orrelation_1	with offset set to 1.
z_score_core_GLCMc	Correlation of GLCM in VOI_core in Gdzscore 2)
orrelation_2	with offset set to 2.
z_score_core_GLCMc	Correlation of GLCM in VOI_core in Gdzscore 2)
orrelation_3	with offset set to 3.
z_score_core_GLCMc	Standard deviation of Correlation of GLCM in
orrelation_1_SD	VOI_core in Gdzscore 2) with offset set to 1.
z score core GLCMc	Standard deviation of Correlation of GLCM in

VOI core in Gdzscore 2) with offset set to 2.

Standard deviation of Correlation of GLCM in

VOI core in Gdzscore 2) with offset set to 3.

 Prewitt filtering was performed by applying first order horizontal Gx and vertical Gy differentiation and by calculating the magnitude G, where Gx and Gy stands for the horizontal and vertical gradient of the image respectively and A for the original two-dimensional gray scale image

 $Gx = \begin{bmatrix} -1 & 0 & +1 \\ -1 & 0 & +1 \\ -1 & 0 & +1 \end{bmatrix} * A \qquad Gy = \begin{bmatrix} -1 & -1 & -1 \\ 0 & 0 & 0 \\ +1 & +1 & +1 \end{bmatrix} * A \qquad G = \sqrt{Gx^2 + Gy^2}$

2) Gdzscore image was created by visualizing the magnitude of enhancement calculated from both 256-leveled non-enhanced and Gadolinium-enhanced T1-weighted images. 256-leveled Gadolinium-enhanced T1-weighted images was plotted as a function of 256-leveled non-enhanced T1-weighted images in whole brain. Linear regression fitting was applied to the data obtained, which can be expressed as follows;

 $(GdT1WI) = \alpha(T1WI) + \beta$

where (GdT1WI) and (T1WI) are 256-leveled Gadoliniumenhanced and non-enhanced T1-weighted images. By solving α and β , one can now determine the linear correlation of 256-leveled Gadolinium-enhanced and non-enhanced T1weighted images.

Next, the magnitude of deviation from the above solved linear regression line for any particular voxel (*i*) can be expressed as follows:

$$deviation_i = \frac{(GdT1WI)_i - \alpha(T1WI)_i - \beta}{\sqrt{\alpha^2 + 1}}$$

where $(GdT1WI)_i$ and $(T1WI)_i$ are the 256-leved values of voxel (*i*) in Gadolinium-enhanced and non-enhanced T1-weighted images.

Finally, the Gdzscore of each data point was defined as follows

$$Gdzscore_i = \frac{deviation_i - \mu}{\rho}$$

where μ and σ are the means and standard deviation of $deviation_i$ in the whole brain.