diagnostics

Automatic Prediction and Assessment of Treatment Response in Patients with Hodgkin's Lymphoma Using a Whole-Body DW-MRI Based Approach

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S1. Median values, Interquartile ranges and results of Mann-Whitney U test for all parameters.

Prediction of intermediate response to treatment

Table S1. Median values, Interquartile ranges (IQR) and results of Mann-Whitney U test of parameters for prediction of intermediate response to treatment.

T0 PARAMETERS TO PREDICT T1 RESPONSE			
Parameters	**Median (IQR) - CMR**	**Median (IQR) - PMR**	**p**
DV [cm³]			
$DV^0_{5\%}$	34662.02 (31131.1 – 41000.9)	29272.2 (26798.6 – 35252.3)	NS
$DV^0_{10\%}$	15985.19 (14931.4 – 17981.2)	14665.5 (14091.25 – 17204.73)	NS
$DV^0_{20\%}$	3997.88 (3468.4 – 4318.3)	4312.5 (4154.73 – 5004.08)	NS
$DV^0_{40\%}$	2041.35 (1900.6 – 2095.1)	2437.8 (1986.85 – 2478.25)	NS
$DV^0_{60\%}$	1518.35 (1468 – 1550.6)	1612.5 (1437.45 – 1689.4)	NS
$DV^0_{80\%}$	1165.95 (1117.3 – 1201.3)	1171.4 (1116.08 – 1220.88)	NS
ADCmean [×10⁻⁶ mm²/s]			
$ADCmean^0_{5\%}$	1106.55 (1031.21 – 1152.06)	1199.33 (1101.45 – 1272.92)	NS
$ADCmean^0_{10\%}$	1197.74 (1115.69 – 1278.13)	1235.69 (1162.7 – 1369.51)	NS
$ADCmean^0_{20\%}$	1329.52 (1303.88 – 1397.24)	1331.71 (1279.68 – 1459.43)	NS
$ADCmean^0_{40\%}$	1218.25 (1168.62 – 1287.03)	1284.87 (1167.22 – 1362.5)	NS
$ADCmean^0_{60\%}$	1132.7 (1090.44 – 1161.46)	1129.94 (1046.01 – 1309.29)	NS
$ADCmean^0_{80\%}$	1074.36 (1016.08 – 1132.19)	1091.1 (1012.39 – 1239.11)	NS
ADCsd [×10⁻⁶ mm²/s]			
$ADCsd^0_{5\%}$	559.97 (535.35 – 590)	590.42 (563.02 – 622.25)	NS
$ADCsd^0_{10\%}$	599.14 (576.61 – 609.58)	606.16 (587.56 – 626.52)	NS
$ADCsd^0_{20\%}$	642.32 (612.35 – 658.94)	693.06 (616.82 – 731.63)	NS
$ADCsd^0_{40\%}$	608.23 (569.64 – 622.89)	741.63 (533.25 – 762.21)	NS
$ADCsd^0_{60\%}$	544.77 (494.86 – 594.73)	600.91 (448.07 – 689.58)	NS
$ADCsd^0_{80\%}$	486.47 (442.18 – 523.97)	481.23 (389.58 – 623.44)	NS
ADCmd [×10⁻⁶ mm²/s]			
$ADCmd^0_{5\%}$	1107 (1039.5 – 1174.5)	1228.5 (1093.5 – 1269)	NS
$ADCmd^0_{10\%}$	1215 (1147.5 – 1282.5)	1255.5 (1174.5 – 1370.25)	NS
$ADCmd^0_{20\%}$	1174.5 (1147.5 – 1228.5)	1147.5 (1140.75 – 1329.75)	NS
$ADCmd^0_{40\%}$	999 (958.5 – 1066.5)	985.5 (976.38 – 1093.5)	NS
$ADCmd^0_{60\%}$	923 (887.5 – 975)	912.5 (894.63 – 1007.5)	NS
$ADCmd^0_{80\%}$	931.77 (891 – 972)	924 (900.38 – 1008)	NS
ADC5p [×10⁻⁶ mm²/s]			
$ADC5p^0_{5\%}$	256.5 (175.5 – 310.5)	337.5 (243 – 351)	NS
$ADC5p^0_{10\%}$	285.58 (202.5 – 364.5)	418.5 (243 – 459)	NS
$ADC5p^0_{20\%}$	621 (580.5 – 661.5)	553.5 (526.5 – 621)	NS

$ADC5p^0_{40\%}$	634.5 (607.5 – 634.5)	580.5 (567 – 604.13)	NS
$ADC5p^0_{60\%}$	629.54 (611 – 637.5)	587.5 (573.88 – 624)	NS
$ADC5p^0_{80\%}$	617.71 (609.5 – 637.5)	588 (580.88 – 642)	NS
ADC95p [×10⁻⁶ mm²/s]			
$ADC95p^0_{5\%}$	1997.73 (1950.5 – 2038.5)	2011.5 (1984.5 – 2254.5)	NS
$ADC95p^0_{10\%}$	2187 (2092.5 – 2362.5)	2200.5 (2112.75 – 2443.5)	NS
$ADC95p^0_{20\%}$	2578.5 (2443.5 – 2659.5)	2929.5 (2382.75 – 2997)	NS
$ADC95p^0_{40\%}$	2416.5 (2389.5 – 2524.5)	2875.5 (2166.38 – 3064.5)	NS
$ADC95p^0_{60\%}$	2311.08 (2173.5 – 2431)	2512.5 (2008.13 – 2710.5)	NS
$ADC95p^0_{80\%}$	2153.48 (2004 – 2311.5)	2100 (1841.63 – 2550)	NS
ADCsk [×10⁻⁶ mm²/s]			
$ADCsk^0_{5\%}$	0.7 (0.65 – 0.77)	0.7 (0.64 – 0.77)	NS
$ADCsk^0_{10\%}$	0.79 (0.68 – 0.94)	0.78 (0.66 – 1.03)	NS
$ADCsk^0_{20\%}$	1.04 (0.96 – 1.11)	1.12 (0.91 – 1.27)	NS
$ADCsk^0_{40\%}$	1.3 (1.1 – 1.62)	1.39 (1.08 – 1.49)	NS
$ADCsk^0_{60\%}$	1.55 (1.43 – 1.83)	1.75 (1.14 – 1.83)	NS
$ADCsk^0_{80\%}$	1.51 (1.41 – 1.78)	1.55 (1.28 – 1.72)	NS
ADCkurt [×10⁻⁶ mm²/s]			
$ADCkurt^0_{5\%}$	1.61 (1.52 – 1.79)	1.7 (1.31 – 2.2)	NS
$ADCkurt^0_{10\%}$	1.94 (1.55 – 2.1)	2.17 (1.56 – 2.56)	NS
$ADCkurt^0_{20\%}$	1.07 (0.76 – 1.2)	1.47 (0.97 – 1.53)	NS
$ADCkurt^0_{40\%}$	1.19 (0.48 – 2.6)	1.59 (0.3 – 2.08)	NS
$ADCkurt^0_{60\%}$	2.07 (1.47 – 3.54)	2.88 (0.23 – 3.9)	NS
$ADCkurt^0_{80\%}$	2.28 (1.58 – 3.67)	2.6 (0.88 – 3.76)	NS
ADCentr [×10⁻⁶ mm²/s]			
$ADCentr^0_{5\%}$	8.19 (8.16 – 8.28)	8.29 (8.24 – 8.37)	NS
$ADCentr^0_{10\%}$	8.33 (8.26 – 8.37)	8.36 (8.32 – 8.42)	NS
$ADCentr^0_{20\%}$	8.41 (8.33 – 8.48)	8.48 (8.39 – 8.52)	NS
$ADCentr^0_{40\%}$	8.2 (8.12 – 8.32)	8.34 (8.09 – 8.44)	NS
$ADCentr^0_{60\%}$	8.03 (7.99 – 8.11)	8.12 (7.89 – 8.28)	NS
$ADCentr^0_{80\%}$	7.98 (7.85 – 8.06)	8.03 (7.81 – 8.16)	NS

Prediction of final response to treatment

Table S2. Median values, Interquartile ranges (IQR) and results of Mann-Whitney U test of parameters for prediction of final response to treatment (evaluating T0 and T1 parameters and using Lugano on T2 images).

T0 PARAMETERS TO PREDICT T2 RESPONSE			
Parameters	**Median (IQR) - CMR**	**Median (IQR) - PMR**	**p**
DV [cm³]			
$DV^0_{5\%}$	35853.87 (31325.67 – 40858.9)	29272.2 (27780.6 – 33138.75)	NS
$DV^0_{10\%}$	16118.86 (15010.38 – 18098.13)	14334.4 (13604.95 – 15891.93)	NS
$DV^0_{20\%}$	4049.3 (3508.4 – 4457.05)	4312.5 (4256.33 – 4664.55)	NS
$DV^0_{40\%}$	2033.6 (1907.5 – 2087.75)	2446.1 (2439.88 – 2542.55)	0.017
$DV^0_{60\%}$	1525.7 (1440.48 – 1556.23)	1667.4 (1626.23 – 1733.4)	0.01
$DV^0_{80\%}$	1148.5 (1081.38 – 1200.57)	1196.9 (1177.78 – 1268.82)	
ADCmean [×10⁻⁶ mm²/s]			
$ADCmean^0_{5\%}$	1119.73 (1041.74 – 1177.68)	1199.33 (1130.88 – 1217.97)	NS
$ADCmean^0_{10\%}$	1213.64 (1122.97 – 1283.97)	1235.69 (1188.3 – 1285.53)	NS
$ADCmean^0_{20\%}$	1331.53 (1304.05 – 1456.34)	1331.71 (1270.34 – 1374.75)	NS
$ADCmean^0_{40\%}$	1246.56 (1170.93 – 1321.14)	1284.87 (1168.21 – 1309.04)	NS
$ADCmean^0_{60\%}$	1140.98 (1098.61 – 1178.36)	1129.94 (1059.72 – 1257.36)	NS
$ADCmean^0_{80\%}$	1089.34 (1019.14 – 1151.99)	1091.1 (1037.62 – 1175.18)	NS
ADCsd [×10⁻⁶ mm²/s]			
$ADCsd^0_{5\%}$	570.05 (537.53 – 614.72)	577.31 (534.44 – 587.87)	NS
$ADCsd^0_{10\%}$	605.84 (576.74 – 621.12)	605.72 (551.23 – 606.05)	NS
$ADCsd^0_{20\%}$	648.64 (614.39 – 667)	726.47 (615.38 – 741.96)	NS
$ADCsd^0_{40\%}$	615.7 (572.15 – 644.26)	741.63 (579.8 – 782.24)	NS
$ADCsd^0_{60\%}$	554.46 (495.99 – 603.74)	600.91 (486.61 – 736.02)	NS
$ADCsd^0_{80\%}$	491.07 (447.13 – 545.1)	481.23 (415.33 – 625.87)	NS
ADCmd [×10⁻⁶ mm²/s]			
$ADCmd^0_{5\%}$	1120.5 (1046.25 – 1174.5)	1228.5 (1127.25 – 1228.5)	NS
$ADCmd^0_{10\%}$	1228.5 (1161 – 1282.5)	1255.5 (1194.75 – 1296)	NS
$ADCmd^0_{20\%}$	1174.5 (1147.5 – 1248.75)	1147.5 (1127.25 – 1208.25)	NS
$ADCmd^0_{40\%}$	1012.5 (958.5 – 1066.5)	985.5 (958.13 – 1005.75)	NS
$ADCmd^0_{60\%}$	923 (887.5 – 982.88)	912.5 (893.75 – 939.88)	NS
$ADCmd^0_{80\%}$	948 (895.38 – 972)	924 (912.38 – 924)	NS
ADC5p [×10⁻⁶ mm²/s]			
$ADC5p^0_{5\%}$	262.29 (182.25 – 330.75)	337.5 (276.75 – 378)	NS
$ADC5p^0_{10\%}$	302.79 (209.25 – 364.5)	418.5 (297 – 438.75)	NS
$ADC5p^0_{20\%}$	634.5 (580.5 – 661.5)	553.5 (533.25 – 594)	NS
$ADC5p^0_{40\%}$	634.5 (607.5 – 634.5)	580.5 (540 – 583.88)	0.037
$ADC5p^0_{60\%}$	618.04 (608.38 – 637.38)	587.5 (587.5 – 605.13)	NS

$ADC5p^{0}_{80\%}$	612 (609.5 – 637.13)	588 (586.88 – 624)	NS
ADC95p [×10⁻⁶ mm²/s]			
$ADC95p^{0}_{5\%}$	2011.5 (1952.25 – 2063.45)	2011.5 (1991.25 – 2092.5)	NS
$ADC95p^{0}_{10\%}$	2200.5 (2092.5 – 2484)	2200.5 (2139.75 – 2301.75)	NS
$ADC95p^{0}_{20\%}$	2605.5 (2457 – 2822.46)	2983.5 (2457 – 3024)	NS
$ADC95p^{0}_{40\%}$	2416.5 (2396.25 – 2585.25)	3064.5 (2374.88 – 3064.5)	NS
$ADC95p^{0}_{60\%}$	2337.5 (2185.88 – 2435.88)	2512.5 (2118.75 – 2880.38)	NS
$ADC95p^{0}_{80\%}$	2172 (2028 – 2314.88)	2100 (1913.63 – 2694)	NS
ADCsk [×10⁻⁶ mm²/s]			
$ADCsk^{0}_{5\%}$	0.7 (0.64 – 0.77)	0.74 (0.69 – 0.84)	NS
$ADCsk^{0}_{10\%}$	0.75 (0.63 – 0.94)	1.02 (0.84 – 1.05)	NS
$ADCsk^{0}_{20\%}$	1.01 (0.93 – 1.1)	1.27 (1.13 – 1.28)	NS
$ADCsk^{0}_{40\%}$	1.26 (1.06 – 1.59)	1.48 (1.32 – 1.51)	NS
$ADCsk^{0}_{60\%}$	1.49 (1.38 – 1.77)	1.75 (1.41 – 1.8)	NS
$ADCsk^{0}_{80\%}$	1.46 (1.29 – 1.77)	1.55 (1.53 – 1.57)	NS
ADCkurt [×10⁻⁶ mm²/s]			
$ADCkurt^{0}_{5\%}$	1.6 (1.21 – 1.76)	2.19 (1.83 – 2.21)	NS
$ADCkurt^{0}_{10\%}$	1.81 (1.44 – 2.09)	2.5 (2.25 – 2.68)	NS
$ADCkurt^{0}_{20\%}$	1.02 (0.62 – 1.2)	1.47 (1.37 – 1.47)	NS
$ADCkurt^{0}_{40\%}$	1.01 (0.43 – 2.49)	1.59 (0.89 – 2.34)	NS
$ADCkurt^{0}_{60\%}$	1.78 (1.37 – 3.31)	2.88 (1.04 – 3.82)	NS
$ADCkurt^{0}_{80\%}$	2.08 (1.45 – 3.62)	2.6 (1.64 – 3.01)	NS
ADCentr [×10⁻⁶ mm²/s]			
$ADCentr^{0}_{5\%}$	8.19 (8.16 – 8.29)	8.26 (8.2 – 8.3)	NS
$ADCentr^{0}_{10\%}$	8.35 (8.27 – 8.38)	8.33 (8.29 – 8.36)	NS
$ADCentr^{0}_{20\%}$	8.41 (8.35 – 8.52)	8.48 (8.37 – 8.49)	NS
$ADCentr^{0}_{40\%}$	8.22 (8.13 – 8.32)	8.34 (8.16 – 8.38)	NS
$ADCentr^{0}_{60\%}$	8.05 (7.99 – 8.14)	8.12 (7.97 – 8.19)	NS
$ADCentr^{0}_{80\%}$	8.01 (7.87 – 8.11)	8.03 (7.9 – 8.06)	NS
T1 PARAMETERS TO PREDICT T2 RESPONSE			
DV [cm³]			
$DV^{1}_{5\%}$	37169.7 (32037.88 – 39925.08)	28921.4 (25664.82 – 37200.73)	NS
$DV^{1}_{10\%}$	17184.2 (15067.2 – 19655.07)	14336.8 (14287.98 – 16419.55)	NS
$DV^{1}_{20\%}$	4481 (3756.58 – 5136.95)	4690.6 (4484.5 – 5029.38)	NS
$DV^{1}_{40\%}$	1942.5 (1849.07 – 2129.77)	2235.5 (2169.05 – 2393.9)	NS
$DV^{1}_{60\%}$	1479 (1384.98 – 1570.05)	1568.5 (1434.78 – 1590.4)	NS
$DV^{1}_{80\%}$	1123.54 (1057.52 – 1181.45)	1145.1 (1080.23 – 1190.1)	NS
ADCmean [×10⁻⁶ mm²/s]			
$ADCmean^{1}_{5\%}$	1084.82 (1013.89 – 1109.41)	1153.58 (1056.11 – 1204.95)	NS
$ADCmean^{1}_{10\%}$	1177.98 (1062.83 – 1203.3)	1211.03 (1117.46 – 1268.56)	NS
$ADCmean^{1}_{20\%}$	1309.41 (1245.77 – 1356.17)	1208.16 (1135.33 – 1255.09)	NS
$ADCmean^{1}_{40\%}$	1239.24 (1153.79 – 1299.64)	1201.56 (1111.8 – 1208.2)	NS

$ADCmean^{1}_{60\%}$	1144.3 (1068.9 – 1209.41)	1092.96 (1065.8 – 1129.68)	NS
$ADCmean^{1}_{80\%}$	1099.22 (1038.19 – 1184.59)	1085.08 (1064.47 – 1089.78)	NS
ADCsd [×10⁻⁶ mm²/s]			
$ADCsd^{1}_{5\%}$	575.05 (558.95 – 604.19)	555.59 (530.27 – 556.02)	NS
$ADCsd^{1}_{10\%}$	615.13 (578.01 – 639.14)	551.7 (536.78 – 595.08)	NS
$ADCsd^{1}_{20\%}$	690.32 (633 – 735.15)	633.84 (598.02 – 646.79)	NS
$ADCsd^{1}_{40\%}$	649.79 (604.49 – 679.71)	573.36 (526.2 – 611.74)	NS
$ADCsd^{1}_{60\%}$	554.06 (492.59 – 600.81)	503.01 (464.44 – 538.4)	NS
$ADCsd^{1}_{80\%}$	488.4 (452.14 – 543.79)	472.01 (429.54 – 489.52)	NS
ADCmd [×10⁻⁶ mm²/s]			
$ADCmd^{1}_{5\%}$	1041.75 (931.5 – 1120.5)	1174.5 (1053 – 1235.25)	NS
$ADCmd^{1}_{10\%}$	1174.5 (1032.75 – 1228.5)	1228.5 (1086.75 – 1289.25)	NS
$ADCmd^{1}_{20\%}$	1174.5 (1113.75 – 1228.5)	1093.5 (972 – 1154.25)	NS
$ADCmd^{1}_{40\%}$	985.5 (951.75 – 1073.25)	985.5 (938.63 – 1005.75)	NS
$ADCmd^{1}_{60\%}$	923 (887.5 – 975)	924 (915.38 – 929.63)	NS
$ADCmd^{1}_{80\%}$	924 (906.38 – 982.13)	924 (915.38 – 924)	NS
ADC5p [×10⁻⁶ mm²/s]			
$ADC5p^{1}_{5\%}$	256.5 (236.25 – 310.5)	337.5 (236.25 – 357.75)	NS
$ADC5p^{1}_{10\%}$	283.5 (249.75 – 330.75)	445.5 (283.5 – 445.5)	NS
$ADC5p^{1}_{20\%}$	445.5 (391.5 – 492.75)	445.5 (364.5 – 506.25)	NS
$ADC5p^{1}_{40\%}$	607.5 (499.5 – 634.5)	553.5 (518.63 – 594)	NS
$ADC5p^{1}_{60\%}$	612.5 (611 – 635.25)	612 (608.63 – 612.38)	NS
$ADC5p^{1}_{80\%}$	625.25 (612 – 637.13)	612.5 (612.13 – 648.13)	NS
ADC95p [×10⁻⁶ mm²/s]			
$ADC95p^{1}_{5\%}$	1957.5 (1950.75 – 2072.25)	1930.5 (1930.5 – 2052)	NS
$ADC95p^{1}_{10\%}$	2225.25 (2119.5 – 2261.25)	2146.5 (2085.75 – 2146.5)	NS
$ADC95p^{1}_{20\%}$	2686.5 (2416.5 – 2902.5)	2335.5 (2254.5 – 2376)	0.032
$ADC95p^{1}_{40\%}$	2632.5 (2369.25 – 2743.88)	2254.5 (2133.38 – 2315.25)	NS
$ADC95p^{1}_{60\%}$	2389.5 (2124.75 – 2475)	2196 (2058.38 – 2239.88)	NS
$ADC95p^{1}_{80\%}$	2149.42 (2027.88 – 2334)	2124 (1998 – 2152.88)	NS
ADCsk [×10⁻⁶ mm²/s]			
$ADCsk^{1}_{5\%}$	0.84 (0.72 – 0.88)	0.6 (0.53 – 0.74)	NS
$ADCsk^{1}_{10\%}$	0.9 (0.71 – 1.04)	0.82 (0.69 – 0.9)	NS
$ADCsk^{1}_{20\%}$	1.02 (0.93 – 1.1)	1.08 (0.86 – 1.18)	NS
$ADCsk^{1}_{40\%}$	1.29 (1.05 – 1.56)	1.3 (1.08 – 1.42)	NS
$ADCsk^{1}_{60\%}$	1.56 (1.36 – 1.81)	1.48 (1.47 – 1.7)	NS
$ADCsk^{1}_{80\%}$	1.47 (1.33 – 1.65)	1.48 (1.4 – 1.67)	NS
ADCkurt [×10⁻⁶ mm²/s]			
$ADCkurt^{1}_{5\%}$	1.82 (1.23 – 2.07)	1.62 (1.28 – 1.74)	NS
$ADCkurt^{1}_{10\%}$	2.03 (1.29 – 2.14)	1.84 (1.76 – 2.19)	NS
$ADCkurt^{1}_{20\%}$	0.94 (0.58 – 1.46)	1.52 (0.76 – 1.54)	NS
$ADCkurt^{1}_{40\%}$	1.42 (0.6 – 1.96)	1.74 (0.81 – 2.21)	NS

$ADCkurt^{1}_{60\%}$	2.47 (1.37 – 3.41)	2.18 (2.03 – 3.28)	NS
$ADCkurt^{1}_{80\%}$	2.28 (1.35 – 3.23)	2.15 (1.84 – 3.24)	NS
ADCentr [×10⁻⁶ mm²/s]			
$ADCentr^{1}_{5\%}$	8.24 (8.19 – 8.29)	8.2 (8.19 – 8.27)	NS
$ADCentr^{1}_{10\%}$	8.36 (8.31 – 8.38)	8.32 (8.28 – 8.35)	NS
$ADCentr^{1}_{20\%}$	8.48 (8.41 – 8.54)	8.41 (8.32 – 8.46)	NS
$ADCentr^{1}_{40\%}$	8.26 (8.16 – 8.36)	8.21 (8.14 – 8.27)	NS
$ADCentr^{1}_{60\%}$	8.06 (7.94 – 8.17)	8.03 (7.94 – 8.08)	NS
$ADCentr^{1}_{80\%}$	8 (7.86 – 8.15)	8.01 (7.89 – 8.01)	NS

Table S3. Median values, Interquartile ranges (IQR) and results of Mann-Whitney U test of parameters for prediction of final response to treatment (evaluating percentage differences between T1 and T0 parameters and using Lugano on T2 images).

T1-T0 PARAMETERS TO PREDICT T2 RESPONSE			
Parameters	**Median (IQR) - CMR**	**Median (IQR) - PMR**	**p**
ΔDV [%]			
$\Delta DV^{01}_{5\%}$	1.21 (-6.7 – 6.78)	-1.2 (-7.73 – 11.75)	NS
$\Delta DV^{01}_{10\%}$	8.83 (1.2 – 17.81)	4.28 (1.08 – 6.18)	NS
$\Delta DV^{01}_{20\%}$	10.33 (-0.48 – 17.67)	2.4 (-0.83 – 16.61)	NS
$\Delta DV^{01}_{40\%}$	-1.05 (-7.64 – 3.56)	-12.23 (-12.94 – -2.78)	NS
$\Delta DV^{01}_{60\%}$	-1.57 (-5.53 – 2.03)	-10.65 (-15.13 – -3.35)	NS
$\Delta DV^{01}_{80\%}$	-0.94 (-5.31 – 5.97)	-6.78 (-10.36 – -3.38)	NS
ΔADCmean [%]	-3.64 (-5.72 – 0.09)	-3.81 (-6.67 – -1.08)	
$\Delta ADCmean^{01}_{5\%}$	-4.46 (-6.65 – -0.27)	-2 (-6.02 – -1.33)	NS
$\Delta ADCmean^{01}_{10\%}$	-4.31 (-10.21 – -0.46)	-11.11 (-12.55 – -6.21)	NS
$\Delta ADCmean^{01}_{20\%}$	0.92 (-10.99 – 7.82)	-5.8 (-8.03 – -4.6)	NS
$\Delta ADCmean^{01}_{40\%}$	-0.05 (-4.54 – 3.75)	-3.27 (-9.93 – 0.66)	NS
$\Delta ADCmean^{01}_{60\%}$	1.35 (-3.01 – 3.75)	-0.55 (-7.11 – 2.64)	NS
$\Delta ADCmean^{01}_{80\%}$			NS
ΔADCsd [%]	4.18 (0.76 – 5.22)	-3.66 (-5.46 – -0.67)	
$\Delta ADCsd^{01}_{5\%}$	1.44 (-2.52 – 5.08)	-0.23 (-6.75 – 0.36)	NS
$\Delta ADCsd^{01}_{10\%}$	7.02 (-6 – 12.41)	-10.37 (-13.97 – -1.59)	NS
$\Delta ADCsd^{01}_{20\%}$	7.49 (-3.5 – 11.39)	-21.52 (-22.4 – -7.57)	NS
$\Delta ADCsd^{01}_{40\%}$	3.17 (-4.49 – 8.95)	-16.29 (-26.24 – -3.56)	NS
$\Delta ADCsd^{01}_{60\%}$	1.73 (-0.98 – 3.5)	-1.91 (-20.36 – 3.72)	NS
$\Delta ADCsd^{01}_{80\%}$			NS
ΔADCmd [%]	-5.48 (-9.52 – -2.17)	-4.4 (-6.65 – 0.55)	
$\Delta ADCmd^{01}_{5\%}$	-2.6 (-8.67 – 0.52)	-2.15 (-9.16 – -0.54)	NS
$\Delta ADCmd^{01}_{10\%}$	-2.3 (-9.62 – 2.27)	-10.99 (-15.4 – -0.98)	NS
$\Delta ADCmd^{01}_{20\%}$	-3.53 (-11.16 – 4.07)	0 (-2.05 – 0)	NS
$\Delta ADCmd^{01}_{40\%}$	-0.73 (-3.29 – 3.7)	1.26 (-1.07 – 2.43)	NS
$\Delta ADCmd^{01}_{60\%}$	-0.48 (-4.17 – 2.51)	0 (-0.93 – 1.28)	NS
$\Delta ADCmd^{01}_{80\%}$			NS

$\Delta ADC5p$ **[%]**	-2.21 (-15.89 – 2)	-13.79 (-19.24 – 2.55)	
$\Delta ADC5p^{01}_{5\%}$	-5.63 (-17.56 – 7.02)	0 (-7.89 – 4.84)	NS
$\Delta ADC5p^{01}_{10\%}$	-23.6 (-33.6 – -11.62)	-19.51 (-38.21 – -4.88)	NS
$\Delta ADC5p^{01}_{20\%}$	-7.8 (-15.12 – 0)	4.65 (-8.84 – 5.01)	NS
$\Delta ADC5p^{01}_{40\%}$	0.25 (-0.47 – 4.23)	4.17 (0.61 – 4.23)	NS
$\Delta ADC5p^{01}_{60\%}$	0.69 (0.36 – 3.94)	4.08 (-1.75 – 10.42)	NS
$\Delta ADC5p^{01}_{80\%}$			NS
$\Delta ADC95p$ **[%]**	-1.36 (-2.57 – 3.23)	-2.72 (-3.7 – -1.64)	
$\Delta ADC95p^{01}_{5\%}$	0 (-6.22 – 3.01)	-2.55 (-6.71 – -2.48)	NS
$\Delta ADC95p^{01}_{10\%}$	0.94 (-7.98 – 5.86)	-19.91 (-22.31 – -6.75)	NS
$\Delta ADC95p^{01}_{20\%}$	2.79 (-7.7 – 11.6)	-23.79 (-25.77 – -7.77)	NS
$\Delta ADC95p^{01}_{40\%}$	1.36 (-5.38 – 6.47)	-12.6 (-21.84 – -2.21)	NS
$\Delta ADC95p^{01}_{60\%}$	0.96 (-0.58 – 3.53)	1.14 (-18.63 – 4.52)	NS
$\Delta ADC95p^{01}_{80\%}$			NS
$\Delta ADCsk$ **[%]**	19.44 (-15.33 – 31.52)	-11.28 (-25.57 – -10.53)	
$\Delta ADCsk^{01}_{5\%}$	24.25 (-21.31 – 41.93)	-12.61 (-30.46 – 0.91)	NS
$\Delta ADCsk^{01}_{10\%}$	0.8 (-9.19 – 9.13)	-15.44 (-32.2 – 5.69)	NS
$\Delta ADCsk^{01}_{20\%}$	1.77 (-7.54 – 21.65)	-3.7 (-24.52 – 1.1)	NS
$\Delta ADCsk^{01}_{40\%}$	4.97 (-2.51 – 16.44)	-2.8 (-12.74 – 9.92)	NS
$\Delta ADCsk^{01}_{60\%}$	0.55 (-7.66 – 15.25)	-3.01 (-9.45 – 6.51)	NS
$\Delta ADCsk^{01}_{80\%}$			NS
$\Delta ADCkurt$ **[%]**	20.32 (-39.07 – 47.14)	-25.97 (-29.97 – -21.54)	
$\Delta ADCkurt^{01}_{5\%}$	-1.5 (-29.52 – 32)	-26.17 (-33.99 – -1.87)	NS
$\Delta ADCkurt^{01}_{10\%}$	-24.38 (-38.94 – -2.55)	5.1 (-47.6 – 11.31)	NS
$\Delta ADCkurt^{01}_{20\%}$	-33.5 (-91.6 – 3.12)	-8.66 (-53.51 – 120.75)	NS
$\Delta ADCkurt^{01}_{40\%}$	-3.94 (-36.17 – 35.02)	-11.65 (-26.22 – 309.74)	NS
$\Delta ADCkurt^{01}_{60\%}$	0.89 (-24.02 – 32.37)	14.59 (-21.15 – 50.91)	NS
$\Delta ADCkurt^{01}_{80\%}$			NS
$\Delta ADCentr$ **[%]**	0.31 (-0.12 – 0.49)	-0.29 (-0.61 – 0.01)	
$\Delta ADCentr^{01}_{5\%}$	0.18 (0.01 – 0.53)	-0.11 (-0.41 – 0.13)	NS
$\Delta ADCentr^{01}_{10\%}$	0.7 (-0.63 – 1.1)	-0.48 (-0.74 – -0.22)	NS
$\Delta ADCentr^{01}_{20\%}$	0.82 (-0.73 – 1.29)	-1.29 (-1.52 – -0.2)	NS
$\Delta ADCentr^{01}_{40\%}$	0 (-1.11 – 1)	-1.06 (-1.32 – -0.33)	NS
$\Delta ADCentr^{01}_{60\%}$	0.23 (-0.85 – 0.56)	-0.15 (-0.62 – -0.08)	NS
$\Delta ADCentr^{01}_{80\%}$	1.21 (-6.7 – 6.78)	-1.2 (-7.73 – 11.75)	NS

Assessment of intermediate response to treatment

Table S4. Median values, Interquartile ranges (IQR) and results of Mann-Whitney U test of parameters for assessment of intermediate response to treatment (evaluating T1 parameters and using Lugano on T1 images).

T1 PARAMETERS TO ASSESS T1 RESPONSE			
Parameters	**Median (IQR) - CMR**	**Median (IQR) - PMR**	**p**

DV [cm³]			
$DV^1_{5\%}$	36563.25 (31272.35 – 39038.7)	27766.55 (26278.5 – 39927.4)	NS
$DV^1_{10\%}$	16613.56 (14683.8 – 18551.35)	15644.1 (14336.8 – 17113.8)	NS
$DV^1_{20\%}$	4328.54 (3727.75 – 4721)	4932.35 (4690.6 – 5258.5)	NS
$DV^1_{40\%}$	1916.35 (1846.85 – 2084.55)	2311.45 (2235.5 – 2446.7)	0.005
$DV^1_{60\%}$	1492.25 (1377.65 – 1572.9)	1534.45 (1404.5 – 1597.7)	NS
$DV^1_{80\%}$	1129.48 (1078.5 – 1206.1)	1138.15 (1058.6 – 1205.1)	NS
ADCmean [×10⁻⁶ mm²/s]			
$ADCmean^1_{5\%}$	1086.39 (1002.85 – 1110.33)	1066.63 (1023.62 – 1153.58)	NS
$ADCmean^1_{10\%}$	1171.83 (1059.73 – 1205.33)	1156.96 (1086.27 – 1211.03)	NS
$ADCmean^1_{20\%}$	1311.58 (1252.74 – 1356.32)	1221.34 (1111.06 – 1240.01)	0.009
$ADCmean^1_{40\%}$	1234.67 (1152.78 – 1295)	1168.54 (1081.88 – 1210.41)	NS
$ADCmean^1_{60\%}$	1118.52 (1065.35 – 1191.82)	1074.86 (1030.19 – 1141.92)	NS
$ADCmean^1_{80\%}$	1089.77 (1035.38 – 1158.51)	1071.34 (981.93 – 1091.35)	NS
ADCsd [×10⁻⁶ mm²/s]			
$ADCsd^1_{5\%}$	575.36 (556.25 – 605.6)	559.15 (555.59 – 572.69)	NS
$ADCsd^1_{10\%}$	620.58 (576.4 – 639.3)	575.04 (551.7 – 587.23)	NS
$ADCsd^1_{20\%}$	695.49 (644.57 – 737.93)	609.96 (577.22 – 635.21)	0.009
$ADCsd^1_{40\%}$	646 (602.52 – 676.68)	572.03 (521.82 – 624.54)	NS
$ADCsd^1_{60\%}$	553.91 (481.17 – 587.12)	506.22 (452.49 – 550.19)	NS
$ADCsd^1_{80\%}$	482.96 (432.5 – 532.92)	475.81 (415.38 – 495.36)	NS
ADCmd [×10⁻⁶ mm²/s]			
$ADCmd^1_{5\%}$	1067.73 (931.5 – 1120.5)	1039.5 (1012.5 – 1174.5)	NS
$ADCmd^1_{10\%}$	1152.41 (1026 – 1228.5)	1161 (1039.5 – 1228.5)	NS
$ADCmd^1_{20\%}$	1170.82 (1107 – 1228.5)	1093.5 (1012.5 – 1174.5)	NS
$ADCmd^1_{40\%}$	985.5 (945 – 1033.75)	958.5 (923 – 1012.5)	NS
$ADCmd^1_{60\%}$	913.75 (887.5 – 950)	918.25 (871 – 931.5)	NS
$ADCmd^1_{80\%}$	918.5 (904.25 – 967.75)	918.25 (852 – 924)	NS
ADC5p [×10⁻⁶ mm²/s]			
$ADC5p^1_{5\%}$	256.5 (216 – 310.5)	229.5 (202.5 – 337.5)	NS
$ADC5p^1_{10\%}$	283.5 (243 – 337.5)	270 (229.5 – 445.5)	NS
$ADC5p^1_{20\%}$	445.5 (391.5 – 513)	432 (391.5 – 526.5)	NS
$ADC5p^1_{40\%}$	607.5 (537.75 – 634.5)	530.25 (472.5 – 607.5)	NS
$ADC5p^1_{60\%}$	618.8 (611 – 636)	609.75 (562.5 – 612.5)	NS
$ADC5p^1_{80\%}$	630.64 (612 – 638.25)	612.25 (586.5 – 660)	NS
ADC95p [×10⁻⁶ mm²/s]			
$ADC95p^1_{5\%}$	1957.5 (1944 – 2079)	1930.5 (1930.5 – 2038.5)	NS
$ADC95p^1_{10\%}$	2243.45 (2119.5 – 2268)	2106 (2038.5 – 2146.5)	NS
$ADC95p^1_{20\%}$	2686.5 (2497.5 – 2902.5)	2281.5 (2227.5 – 2389.5)	0.001
$ADC95p^1_{40\%}$	2646 (2349 – 2796.75)	2214 (2093 – 2335.5)	0.013

$ADC95p^1_{60\%}$	2388.5 (2087 – 2462.5)	2105.5 (2012.5 – 2254.5)	NS
$ADC95p^1_{80\%}$	2137.16 (1976.75 – 2302.25)	2040 (1956 – 2162.5)	NS
ADCsk [×10⁻⁶ mm²/s]			
$ADCsk^1_{5\%}$	0.85 (0.74 – 0.89)	0.74 (0.6 – 0.82)	NS
$ADCsk^1_{10\%}$	0.91 (0.79 – 1.04)	0.8 (0.65 – 0.85)	NS
$ADCsk^1_{20\%}$	1.02 (0.94 – 1.12)	1.11 (0.79 – 1.21)	NS
$ADCsk^1_{40\%}$	1.33 (1.13 – 1.56)	1.38 (1.01 – 1.48)	NS
$ADCsk^1_{60\%}$	1.64 (1.42 – 1.82)	1.62 (1.47 – 1.83)	NS
$ADCsk^1_{80\%}$	1.52 (1.35 – 1.71)	1.59 (1.37 – 1.73)	NS
ADCkurt [×10⁻⁶ mm²/s]			
$ADCkurt^1_{5\%}$	1.87 (1.29 – 2.07)	1.7 (1.17 – 2.01)	NS
$ADCkurt^1_{10\%}$	2.04 (1.6 – 2.19)	1.91 (1.74 – 2.3)	NS
$ADCkurt^1_{20\%}$	0.98 (0.63 – 1.49)	1.53 (0.51 – 1.87)	NS
$ADCkurt^1_{40\%}$	1.47 (0.71 – 2.18)	2.02 (0.5 – 2.36)	NS
$ADCkurt^1_{60\%}$	2.61 (1.79 – 3.59)	2.92 (1.99 – 3.97)	NS
$ADCkurt^1_{80\%}$	2.46 (1.64 – 3.29)	2.82 (1.74 – 3.61)	NS
ADCentr [×10⁻⁶ mm²/s]			
$ADCentr^1_{5\%}$	8.22 (8.19 – 8.27)	8.25 (8.2 – 8.29)	NS
$ADCentr^1_{10\%}$	8.35 (8.3 – 8.39)	8.33 (8.29 – 8.35)	NS
$ADCentr^1_{20\%}$	8.49 (8.4 – 8.54)	8.37 (8.3 – 8.47)	0.024
$ADCentr^1_{40\%}$	8.26 (8.15 – 8.33)	8.18 (8.12 – 8.29)	NS
$ADCentr^1_{60\%}$	8.02 (7.92 – 8.15)	8.02 (7.91 – 8.1)	NS
$ADCentr^1_{80\%}$	7.99 (7.85 – 8.1)	8 (7.85 – 8.01)	NS

Table S5. Median values, Interquartile ranges (IQR) and results of Mann-Whitney U test of parameters for assessment of intermediate response to treatment (evaluating percentage differences between T1 and T0 parameters and using Lugano on T1 images).

T1-T0 PARAMETERS TO ASSESS T1 RESPONSE			
Parameters	**Median (IQR) - CMR**	**Median (IQR) - PMR**	**p**
ΔDV [%]			
$\Delta DV^{01}_{5\%}$	0.71 (-7.15 – 7.4)	3.69 (-3.38 – 8.39)	NS
$\Delta DV^{01}_{10\%}$	7.35 (1.07 – 20.28)	5.54 (3.22 – 8.21)	NS
$\Delta DV^{01}_{20\%}$	7.91 (-3.28 – 18.06)	17.04 (1.32 – 21.01)	NS
$\Delta DV^{01}_{40\%}$	-3.51 (-8.16 – 1.12)	0.37 (-12.47 – 17.37)	NS
$\Delta DV^{01}_{60\%}$	-1.77 (-5.59 – 1.01)	-0.92 (-12.14 – 2.73)	NS
$\Delta DV^{01}_{80\%}$	-2.13 (-5.43 – 4.76)	-3.29 (-7.98 – -0.3)	NS
ΔADCmean [%]			
$\Delta ADCmean^{01}_{5\%}$	-2.4 (-5.28 – 0.21)	-3.81 (-11.61 – -2.34)	NS
$\Delta ADCmean^{01}_{10\%}$	-2.51 (-5.97 – 0.58)	-2 (-11.78 – -0.77)	NS
$\Delta ADCmean^{01}_{20\%}$	-4.12 (-7.93 – -0.22)	-11.11 (-16.21 – -4.5)	NS
$\Delta ADCmean^{01}_{40\%}$	1.29 (-8.85 – 8.14)	-5.8 (-9.96 – -4.09)	NS
$\Delta ADCmean^{01}_{60\%}$	0.27 (-4.93 – 4.47)	-3.27 (-5.62 – -0.87)	NS

$\Delta ADCmean_{80\%}^{01}$	1.85 (-1.34 – 3.81)	-0.83 (-5.27 – 0.51)	NS
ΔADCsd [%]			
$\Delta ADCsd_{5\%}^{01}$	4.85 (1.87 – 5.66)	-4.79 (-9.43 – -2.67)	0.006
$\Delta ADCsd_{10\%}^{01}$	2.69 (-0.08 – 5.12)	-7.38 (-10.08 – -0.04)	0.036
$\Delta ADCsd_{20\%}^{01}$	8.47 (-2.99 – 12.54)	-10.37 (-14.92 – -5.93)	0.013
$\Delta ADCsd_{40\%}^{01}$	7.76 (-0.09 – 12)	-9.52 (-21.81 – -2.84)	0.019
$\Delta ADCsd_{60\%}^{01}$	3.18 (-4.57 – 9.62)	-3.02 (-19.61 – 0.83)	NS
$\Delta ADCsd_{80\%}^{01}$	1.73 (-0.52 – 4.56)	-1.91 (-8.34 – 2.17)	NS
ΔADCmd [%]			
$\Delta ADCmd_{5\%}^{01}$	-4.65 (-8.15 – -2.15)	-4.94 (-11.87 – -2.75)	NS
$\Delta ADCmd_{10\%}^{01}$	-2.4 (-6.32 – 1.03)	-2.3 (-14.71 – -1.61)	NS
$\Delta ADCmd_{20\%}^{01}$	-0.05 (-8.02 – 3.08)	-10.99 (-19.68 – -2.94)	NS
$\Delta ADCmd_{40\%}^{01}$	-1.09 (-8.07 – 5.25)	-2.74 (-8.66 – 0)	NS
$\Delta ADCmd_{60\%}^{01}$	-0.11 (-2.18 – 3.75)	-1.84 (-4.19 – 1.65)	NS
$\Delta ADCmd_{80\%}^{01}$	-0.02 (-3.98 – 3.07)	-1.24 (-4.01 – 0.43)	NS
ΔADC5p [%]			
$\Delta ADC5p_{5\%}^{01}$	0 (-11.69 – 4)	-13.79 (-21.79 – 2)	NS
$\Delta ADC5p_{10\%}^{01}$	-0.72 (-15.69 – 7.15)	0 (-17.35 – 8.17)	NS
$\Delta ADC5p_{20\%}^{01}$	-22.61 (-29.61 – -10.46)	-19.51 (-41.72 – 7.69)	NS
$\Delta ADC5p_{40\%}^{01}$	-3.88 (-11.06 – 0)	4.08 (-14.65 – 4.77)	NS
$\Delta ADC5p_{60\%}^{01}$	0.08 (-0.47 – 3.92)	4.17 (-0.14 – 4.58)	NS
$\Delta ADC5p_{80\%}^{01}$	0.58 (0.32 – 2.4)	3.99 (-0.92 – 6.19)	NS
ΔADC95p [%]			
$\Delta ADC95p_{5\%}^{01}$	0.44 (-1.41 – 3.49)	-2.72 (-8.86 – -2.36)	0.045
$\Delta ADC95p_{10\%}^{01}$	0 (-3.73 – 3.33)	-2.58 (-11.68 – -2.52)	NS
$\Delta ADC95p_{20\%}^{01}$	2.8 (-5.56 – 6.43)	-18.43 (-20.71 – -6.46)	0.013
$\Delta ADC95p_{40\%}^{01}$	4.65 (-3.64 – 13.14)	-10.33 (-24.45 – -1.82)	0.02
$\Delta ADC95p_{60\%}^{01}$	1.95 (-4.34 – 6.81)	-3.85 (-15.68 – 0.31)	0.048
$\Delta ADC95p_{80\%}^{01}$	1.47 (-0.11 – 3.95)	-1.33 (-9.29 – 2.27)	NS
ΔADCsk [%]			
$\Delta ADCsk_{5\%}^{01}$	14.81 (-16.46 – 32.27)	-10.29 (-16.04 – 19.83)	NS
$\Delta ADCsk_{10\%}^{01}$	17.49 (-21.6 – 37.74)	5.41 (-18.56 – 16.53)	NS
$\Delta ADCsk_{20\%}^{01}$	-0.5 (-9.24 – 8.36)	12.73 (-21.03 – 58.18)	NS
$\Delta ADCsk_{40\%}^{01}$	-0.33 (-9.3 – 6.89)	2.69 (-10.64 – 44.6)	NS
$\Delta ADCsk_{60\%}^{01}$	4.52 (-3.19 – 10.31)	14.16 (-6.11 – 30.01)	NS
$\Delta ADCsk_{80\%}^{01}$	0.33 (-8.08 – 6.89)	9.69 (-5.16 – 23.52)	NS
ΔADCkurt [%]			
$\Delta ADCkurt_{5\%}^{01}$	10.08 (-39.79 – 26.63)	-20.06 (-27.3 – 83.88)	NS
$\Delta ADCkurt_{10\%}^{01}$	-2.62 (-31.2 – 24.52)	6.23 (-28.78 – 56.62)	NS
$\Delta ADCkurt_{20\%}^{01}$	-19.02 (-36.71 – -1.09)	5.1 (-146.41 – 40.59)	NS
$\Delta ADCkurt_{40\%}^{01}$	-33.22 (-64.47 – 1.69)	-8.66 (-80.48 – 124.27)	NS
$\Delta ADCkurt_{60\%}^{01}$	2.15 (-15.79 – 36.29)	-11.65 (-61.64 – 165.75)	NS
$\Delta ADCkurt_{80\%}^{01}$	0.93 (-19.2 – 35.46)	14.59 (-48.35 – 48.78)	NS

$\Delta ADCentr\ [\%]$			
$\Delta ADCentr^{01}_{5\%}$	0.32 (-0.04 – 0.56)	-0.53 (-1.24 – -0.19)	0.014
$\Delta ADCentr^{01}_{10\%}$	0.27 (0.16 – 0.56)	-0.51 (-1.16 – -0.03)	0.02
$\Delta ADCentr^{01}_{20\%}$	0.71 (-0.27 – 1.21)	-0.83 (-2.16 – -0.39)	0.009
$\Delta ADCentr^{01}_{40\%}$	0.88 (-0.18 – 1.36)	-1.42 (-1.65 – -0.92)	0.014
$\Delta ADCentr^{01}_{60\%}$	0.17 (-1.23 – 1.04)	-1.06 (-1.33 – -0.69)	NS
$\Delta ADCentr^{01}_{80\%}$	0.28 (-0.57 – 0.6)	-0.77 (-0.79 – -0.12)	NS

Assessment of final response to treatment

Table S6. Median values, Interquartile ranges (IQR) and results of Mann-Whitney U test of parameters for assessment of final response to treatment (evaluating T2 parameters and using Lugano on T2 images).

T2 PARAMETERS TO ASSESS T2 RESPONSE			
Parameters	**Median (IQR) - CMR**	**Median (IQR) - PMR**	**p**
$DV\ [cm^3]$			
$DV^2_{5\%}$	36639.3 (32221.55 – 39613.35)	29806.2 (28040.48 – 39216.08)	NS
$DV^2_{10\%}$	19067.73 (15787.88 – 20550.9)	13742.1 (13155.9 – 20846.03)	NS
$DV^2_{20\%}$	5349.65 (4187.88 – 6640.92)	4964.4 (4231.28 – 4971.75)	NS
$DV^2_{40\%}$	2314.3 (1978.8 – 2968.17)	2200.2 (1960.87 – 2398.35)	NS
$DV^2_{60\%}$	1609.2 (1425.65 – 1793.85)	1596.7 (1393.75 – 1677.18)	NS
$DV^2_{80\%}$	1168.55 (1042.85 – 1277.55)	1173 (1030.95 – 1198.88)	NS
$ADCmean\ [\times 10^{-6}\ mm^2/s]$			
$ADCmean^2_{5\%}$	1103.54 (1061.37 – 1159.35)	1211.08 (1180.53 – 1227.21)	0.014
$ADCmean^2_{10\%}$	1193.06 (1133.5 – 1269.54)	1287.27 (1232.2 – 1289.43)	NS
$ADCmean^2_{20\%}$	1282.06 (1189.5 – 1350.87)	1343.33 (1113.85 – 1365.01)	NS
$ADCmean^2_{40\%}$	1177.46 (1101.63 – 1223.81)	1208.4 (1075.42 – 1294.31)	NS
$ADCmean^2_{60\%}$	1099.87 (1034.36 – 1140.35)	1044.34 (1035.87 – 1135.78)	NS
$ADCmean^2_{80\%}$	1097.1 (1023.92 – 1144.04)	1048.23 (349.9 – 1058.31)	NS
$ADCsd\ [\times 10^{-6}\ mm^2/s]$			
$ADCsd^2_{5\%}$	560.03 (545.76 – 593.15)	591.45 (557.52 – 611.81)	NS
$ADCsd^2_{10\%}$	592.19 (556.17 – 622.25)	573.08 (556.69 – 643.29)	NS
$ADCsd^2_{20\%}$	653.58 (618.96 – 700.45)	602.71 (581.09 – 752.7)	NS
$ADCsd^2_{40\%}$	643.57 (583.64 – 667.85)	534.2 (493.48 – 678.09)	NS
$ADCsd^2_{60\%}$	545.4 (489.41 – 587.97)	421.81 (421.34 – 555.8)	NS
$ADCsd^2_{80\%}$	489.19 (410.92 – 551.47)	452.85 (416.78 – 501.36)	NS
$ADCmd\ [\times 10^{-6}\ mm^2/s]$			
$ADCmd^2_{5\%}$	1066.5 (1034.44 – 1174.5)	1228.5 (1208.25 – 1289.25)	0.01
$ADCmd^2_{10\%}$	1174.5 (1093.5 – 1282.5)	1282.5 (1262.25 – 1363.5)	NS
$ADCmd^2_{20\%}$	1149.75 (1059.75 – 1201.5)	1174.5 (951.75 – 1275.75)	NS
$ADCmd^2_{40\%}$	931.5 (891 – 965.25)	1037.5 (917.5 – 1059.25)	NS
$ADCmd^2_{60\%}$	877.5 (864 – 906.5)	900 (890.63 – 936.75)	NS
$ADCmd^2_{80\%}$	924 (871.13 – 947.63)	924 (924 – 929.63)	NS

ADC5p [×10⁻⁶ mm²/s]			
$ADC5p^2_{5\%}$	310.5 (256.5 – 337.5)	337.5 (317.25 – 337.5)	NS
$ADC5p^2_{10\%}$	310.5 (310.5 – 364.5)	337.5 (317.25 – 378)	NS
$ADC5p^2_{20\%}$	553.5 (411.75 – 587.25)	472.5 (411.75 – 492.75)	NS
$ADC5p^2_{40\%}$	580.5 (533.25 – 614.25)	607.5 (506.25 – 648.75)	NS
$ADC5p^2_{60\%}$	607.5 (560.25 – 612.5)	636 (618.38 – 636.75)	NS
$ADC5p^2_{80\%}$	612 (610.88 – 633)	612 (610.13 – 648)	NS
ADC95p [×10⁻⁶ mm²/s]			
$ADC95p^2_{5\%}$	1984.5 (1890.86 – 2072.25)	2065.5 (1984.5 – 2106)	NS
$ADC95p^2_{10\%}$	2173.5 (2004.75 – 2268)	2092.5 (2052 – 2315.25)	NS
$ADC95p^2_{20\%}$	2551.5 (2301.75 – 2774.25)	2443.5 (2180.25 – 3051)	NS
$ADC95p^2_{40\%}$	2467.75 (2274.75 – 2619)	2187.5 (2055.5 – 2865.5)	NS
$ADC95p^2_{60\%}$	2312.5 (2036.25 – 2416.5)	1980 (1948.13 – 2376.75)	NS
$ADC95p^2_{80\%}$	2154.54 (1899.63 – 2341)	2052 (1944 – 2194.88)	NS
ADCsk [×10⁻⁶ mm²/s]			
$ADCsk^2_{5\%}$	0.71 (0.67 – 0.97)	0.62 (0.39 – 0.95)	NS
$ADCsk^2_{10\%}$	0.87 (0.69 – 1.06)	0.63 (0.4 – 1.13)	NS
$ADCsk^2_{20\%}$	1.15 (1.03 – 1.27)	1.19 (0.95 – 1.32)	NS
$ADCsk^2_{40\%}$	1.45 (1.34 – 1.53)	1.47 (1.3 – 1.48)	NS
$ADCsk^2_{60\%}$	1.76 (1.64 – 1.84)	1.7 (1.69 – 1.77)	NS
$ADCsk^2_{80\%}$	1.61 (1.45 – 1.86)	1.51 (1.47 – 1.6)	NS
ADCkurt [×10⁻⁶ mm²/s]			
$ADCkurt^2_{5\%}$	1.68 (1.2 – 2.15)	1.75 (0.94 – 2.75)	NS
$ADCkurt^2_{10\%}$	2.14 (1.46 – 2.45)	1.67 (1.38 – 2.99)	NS
$ADCkurt^2_{20\%}$	1.5 (1.18 – 1.69)	1.71 (1.56 – 1.78)	NS
$ADCkurt^2_{40\%}$	1.84 (1.52 – 2.28)	1.83 (1.57 – 2.55)	NS
$ADCkurt^2_{60\%}$	3.14 (2.37 – 4.04)	3.11 (2.81 – 3.77)	NS
$ADCkurt^2_{80\%}$	2.85 (1.8 – 3.74)	2.2 (2.19 – 2.89)	NS
ADCentr [×10⁻⁶ mm²/s]			
$ADCentr^2_{5\%}$	8.26 (8.2 – 8.28)	8.3 (8.24 – 8.31)	NS
$ADCentr^2_{10\%}$	8.32 (8.3 – 8.38)	8.31 (8.3 – 8.37)	NS
$ADCentr^2_{20\%}$	8.42 (8.39 – 8.44)	8.41 (8.31 – 8.52)	NS
$ADCentr^2_{40\%}$	8.23 (8.12 – 8.29)	8.14 (8.07 – 8.31)	NS
$ADCentr^2_{60\%}$	8.01 (7.92 – 8.1)	7.85 (7.85 – 8.04)	NS
$ADCentr^2_{80\%}$	7.96 (7.81 – 8.08)	7.96 (7.87 – 8.03)	NS

Table S7. Median values, Interquartile ranges (IQR) and results of Mann-Whitney U test of parameters for assessment of final response to treatment (evaluating percentage differences T2 vs T0, T1 vs T0 and T2 vs T1 parameters and using Lugano on T2 images).

T2-T0 PARAMETERS TO ASSESS T2 RESPONSE			
Parameters	**Median (IQR) - CMR**	**Median (IQR) - PMR**	**p**
ΔDV [%]			

$\Delta DV_{5\%}^{02}$	3.17 (0.91 – 12.18)	1.82 (0.92 – 17.72)	NS
$\Delta DV_{10\%}^{02}$	22.3 (8.11 – 35.54)	2.85 (-6.48 – 31.8)	NS
$\Delta DV_{20\%}^{02}$	30.64 (12.48 – 50.01)	15.12 (-8.69 – 16.82)	NS
$\Delta DV_{40\%}^{02}$	15.04 (4.49 – 34.57)	-10.05 (-22.72 – -1.69)	0.025
$\Delta DV_{60\%}^{02}$	7.47 (1.46 – 27.36)	-9.04 (-17.61 – 2)	NS
$\Delta DV_{80\%}^{02}$	3.03 (-4.98 – 14.8)	-9.27 (-15.68 – -0.01)	NS
$\boldsymbol{\Delta ADCmean\ [\%]}$			
$\Delta ADCmean_{5\%}^{02}$	-4.84 (-7.22 – 4.7)	-1.07 (-2.08 – 8.16)	NS
$\Delta ADCmean_{10\%}^{02}$	-2.68 (-9.04 – 4.04)	-1.14 (-1.61 – 7.24)	NS
$\Delta ADCmean_{20\%}^{02}$	-7.53 (-12.12 – -3.2)	-3.3 (-13.58 – 1.46)	NS
$\Delta ADCmean_{40\%}^{02}$	-9.82 (-15 – -2.79)	-5.95 (-8.01 – -1.15)	NS
$\Delta ADCmean_{60\%}^{02}$	-4.43 (-8.48 – -1.48)	-7.58 (-9.6 – -2.13)	NS
$\Delta ADCmean_{80\%}^{02}$	-0.03 (-5.91 – 3.83)	-2.7 (-68.37 – 1.42)	NS
$\boldsymbol{\Delta ADCsd\ [\%]}$			
$\Delta ADCsd_{5\%}^{02}$	-2.09 (-4.8 – 2.38)	4.6 (2.99 – 4.91)	0.039
$\Delta ADCsd_{10\%}^{02}$	-2.8 (-7.86 – -1.47)	3.41 (-3.24 – 8.4)	NS
$\Delta ADCsd_{20\%}^{02}$	1.09 (-5.24 – 3.5)	-0.77 (-12.97 – 5.39)	NS
$\Delta ADCsd_{40\%}^{02}$	1.26 (-9.9 – 11.88)	-8.76 (-23.17 – -8.74)	NS
$\Delta ADCsd_{60\%}^{02}$	-0.84 (-5.82 – 4.66)	-23.12 (-28.21 – -10.25)	0.025
$\Delta ADCsd_{80\%}^{02}$	-1.27 (-6.43 – 2.89)	-5.9 (-18.89 – 0.7)	NS
$\boldsymbol{\Delta ADCmd\ [\%]}$			
$\Delta ADCmd_{5\%}^{02}$	-7.93 (-11.9 – 7.19)	0 (-1.65 – 14.81)	NS
$\Delta ADCmd_{10\%}^{02}$	-2.78 (-10.12 – 4.42)	0 (-1.55 – 13.79)	NS
$\Delta ADCmd_{20\%}^{02}$	-2.25 (-15.42 – 2.86)	2.35 (-15.68 – 5.53)	NS
$\Delta ADCmd_{40\%}^{02}$	-10.13 (-13.74 – -5.6)	2.47 (-5.03 – 6.78)	NS
$\Delta ADCmd_{60\%}^{02}$	-5.45 (-9.08 – -0.85)	0 (-1.03 – 0)	NS
$\Delta ADCmd_{80\%}^{02}$	-1.74 (-5.38 – 0.37)	0.81 (0.2 – 1.48)	NS
$\boldsymbol{\Delta ADC5p\ [\%]}$			
$\Delta ADC5p_{5\%}^{02}$	21.05 (-2 – 50.15)	0 (-10.34 – 15.79)	NS
$\Delta ADC5p_{10\%}^{02}$	9.52 (-9.7 – 25.49)	-6.45 (-19.79 – 14.18)	NS
$\Delta ADC5p_{20\%}^{02}$	-12.77 (-24.7 – 0)	-17.78 (-26.4 – -12.14)	NS
$\Delta ADC5p_{40\%}^{02}$	-8.16 (-15.57 – -2.17)	14.13 (-10.89 – 15.07)	NS
$\Delta ADC5p_{60\%}^{02}$	-4.26 (-6.69 – 0.91)	4.26 (4.26 – 7.26)	0.014
$\Delta ADC5p_{80\%}^{02}$	0.41 (-1.03 – 3.51)	4.08 (-2.1 – 10.42)	NS
$\boldsymbol{\Delta ADC95p\ [\%]}$			
$\Delta ADC95p_{5\%}^{02}$	-3.43 (-10.08 – 2.67)	0 (-1.02 – 2.01)	NS
$\Delta ADC95p_{10\%}^{02}$	-3.17 (-6.96 – -1.34)	-3.82 (-4.64 – 0.78)	NS
$\Delta ADC95p_{20\%}^{02}$	-3.08 (-8.52 – -1.81)	-8.28 (-16.74 – 4.72)	NS
$\Delta ADC95p_{40\%}^{02}$	-1.81 (-9.58 – 4.51)	-6.22 (-23.02 – -0.9)	NS
$\Delta ADC95p_{60\%}^{02}$	-2.28 (-6.13 – 1)	-16.45 (-20.01 – -6)	NS
$\Delta ADC95p_{80\%}^{02}$	-0.16 (-4.03 – 4.16)	-2.29 (-17.42 – 1.72)	NS
$\boldsymbol{\Delta ADCsk\ [\%]}$			
$\Delta ADCsk_{5\%}^{02}$	5.62 (-7.99 – 47.59)	-8.75 (-49.67 – 30.46)	NS
$\Delta ADCsk_{10\%}^{02}$	8.2 (-4.54 – 33.58)	-19.46 (-57.36 – 15.52)	NS

$\Delta ADCsk_{20\%}^{02}$	13.97 (-4.55 – 28.26)	7.13 (-22.14 – 10.01)	NS
$\Delta ADCsk_{40\%}^{02}$	20.74 (-1.19 – 51.05)	-1.85 (-12.44 – 11.78)	NS
$\Delta ADCsk_{60\%}^{02}$	12.56 (-0.99 – 25.58)	-1.37 (-3.21 – 23.34)	NS
$\Delta ADCsk_{80\%}^{02}$	7.74 (1.07 – 20.81)	-0.85 (-5.19 – 2.11)	NS
$\Delta \boldsymbol{ADCkurt}$ *[%]*			
$\Delta ADCkurt_{5\%}^{02}$	1.32 (-13.02 – 38.33)	-21.06 (-57.5 – 55.29)	NS
$\Delta ADCkurt_{10\%}^{02}$	15.18 (-6.66 – 39.89)	-22.8 (-45.53 – 22.2)	NS
$\Delta ADCkurt_{20\%}^{02}$	3.33 (-32.93 – 88.24)	16.53 (6.17 – 30.37)	NS
$\Delta ADCkurt_{40\%}^{02}$	-7.09 (-71.11 – 179.08)	7.58 (-2.89 – 135.51)	NS
$\Delta ADCkurt_{60\%}^{02}$	36.4 (-15.42 – 62)	7.85 (-0.74 – 409.56)	NS
$\Delta ADCkurt_{80\%}^{02}$	10.44 (-19.39 – 50)	-0.92 (-11.81 – 48.97)	NS
$\Delta \boldsymbol{ADCentr}$ *[%]*			
$\Delta ADCentr_{5\%}^{02}$	0.03 (-0.5 – 0.52)	0.44 (-0.01 – 0.63)	NS
$\Delta ADCentr_{10\%}^{02}$	-0.14 (-0.54 – 0.27)	0.29 (-0.19 – 0.35)	NS
$\Delta ADCentr_{20\%}^{02}$	-0.57 (-1.04 – 0.39)	-0.68 (-0.82 – 0.49)	NS
$\Delta ADCentr_{40\%}^{02}$	-0.31 (-1.46 – 1.16)	-0.65 (-1.95 – -0.42)	NS
$\Delta ADCentr_{60\%}^{02}$	-0.57 (-1.33 – 0.22)	-1.33 (-2.75 – -1.01)	NS
$\Delta ADCentr_{80\%}^{02}$	-0.44 (-1.75 – 0.11)	-0.29 (-0.65 – -0.27)	NS
T2-T1 PARAMETERS TO ASSESS T2 RESPONSE			
$\Delta \boldsymbol{DV}$ *[%]*			
$\Delta DV_{5\%}^{12}$	1.97 (-4.03 – 10.73)	5.99 (3.79 – 10.26)	NS
$\Delta DV_{10\%}^{12}$	6.1 (-6.93 – 29.1)	-3.71 (-8.13 – 25.81)	NS
$\Delta DV_{20\%}^{12}$	25.99 (3.96 – 34.99)	-3.27 (-12.07 – 8.5)	NS
$\Delta DV_{40\%}^{12}$	22.02 (6.47 – 35.58)	0.72 (-11.71 – 2.04)	NS
$\Delta DV_{60\%}^{12}$	10.8 (0.39 – 20.9)	1.8 (-3.01 – 5.44)	NS
$\Delta DV_{80\%}^{12}$	3.99 (-0.95 – 7.17)	-2.66 (-5.98 – 3.42)	NS
$\Delta \boldsymbol{ADCmean}$ *[%]*			
$\Delta ADCmean_{5\%}^{12}$	-0.08 (-1.93 – 4.95)	1.45 (-0.31 – 15.68)	NS
$\Delta ADCmean_{10\%}^{12}$	0.36 (-4.33 – 7.13)	0.23 (0.03 – 14.13)	NS
$\Delta ADCmean_{20\%}^{12}$	-2.04 (-4.11 – 2.02)	7.99 (-2.98 – 10.39)	NS
$\Delta ADCmean_{40\%}^{12}$	-3.96 (-6.86 – 2.47)	-0.17 (-3.56 – 7.54)	NS
$\Delta ADCmean_{60\%}^{12}$	-2.4 (-5.95 – 0.3)	-2.24 (-3.9 – 1.04)	NS
$\Delta ADCmean_{80\%}^{12}$	-0.71 (-1.26 – 0.98)	-2.16 (-67.49 – -1.2)	NS
$\Delta \boldsymbol{ADCsd}$ *[%]*			
$\Delta ADCsd_{5\%}^{12}$	-1.79 (-4.5 – 1.22)	6.35 (5.09 – 10.09)	0.017
$\Delta ADCsd_{10\%}^{12}$	-3.42 (-5.4 – -1.49)	3.65 (-3.57 – 16.55)	NS
$\Delta ADCsd_{20\%}^{12}$	-5.17 (-7.56 – 3.43)	-2.08 (-6.1 – 19.46)	NS
$\Delta ADCsd_{40\%}^{12}$	-1.23 (-2.34 – 1.94)	-5.99 (-6.62 – 10.69)	NS
$\Delta ADCsd_{60\%}^{12}$	-2.53 (-5.55 – 6.62)	-6.59 (-13.85 – 5.2)	NS
$\Delta ADCsd_{80\%}^{12}$	-0.02 (-3.56 – 5.72)	-2.56 (-3.68 – 2.72)	NS
$\Delta \boldsymbol{ADCmd}$ *[%]*			
$\Delta ADCmd_{5\%}^{12}$	-2.2 (-5.04 – 9.69)	2.3 (-1.04 – 22.57)	NS
$\Delta ADCmd_{10\%}^{12}$	-0.92 (-6.48 – 9.75)	2.2 (-1 – 25.87)	NS
$\Delta ADCmd_{20\%}^{12}$	-2.97 (-9.03 – 6.39)	0 (-4.35 – 14.81)	NS
$\Delta ADCmd_{40\%}^{12}$	-5.8 (-8.93 – 2.67)	2.47 (-3.08 – 6.78)	NS

$\Delta ADCmd_{60\%}^{12}$	-2.06 (-5.29 – 1.32)	-2.6 (-2.7 – 0.76)	NS
$\Delta ADCmd_{80\%}^{12}$	-0.21 (-1.96 – 0.85)	0 (0 – 1.56)	NS
$\boldsymbol{\Delta ADC5p\ [\%]}$			
$\Delta ADC5p_{5\%}^{12}$	14.87 (0 – 43.42)	0 (-5.56 – 40)	NS
$\Delta ADC5p_{10\%}^{12}$	9.52 (6.45 – 18.01)	-12.12 (-21.21 – 23.44)	NS
$\Delta ADC5p_{20\%}^{12}$	14.24 (-13.29 – 39.29)	-10.26 (-11.66 – 33.44)	NS
$\Delta ADC5p_{40\%}^{12}$	2.04 (-4.35 – 13.41)	9.05 (-2.84 – 9.58)	NS
$\Delta ADC5p_{60\%}^{12}$	-2.29 (-8.05 – 0.15)	3.92 (0.98 – 4.62)	NS
$\Delta ADC5p_{80\%}^{12}$	0 (-0.52 – 0)	0 (-0.37 – 0)	NS
$\boldsymbol{\Delta ADC95p\ [\%]}$			
$\Delta ADC95p_{5\%}^{12}$	-2.02 (-6.96 – 2.69)	1.4 (1.32 – 5.59)	NS
$\Delta ADC95p_{10\%}^{12}$	-3.17 (-4.94 – 0.7)	-1.31 (-2.21 – 8.16)	NS
$\Delta ADC95p_{20\%}^{12}$	-1.45 (-8.28 – 3.35)	4.62 (-3.39 – 28.27)	NS
$\Delta ADC95p_{40\%}^{12}$	-1.24 (-8.23 – 2.75)	-2.97 (-3.66 – 23.53)	NS
$\Delta ADC95p_{60\%}^{12}$	-1.51 (-4.92 – 1.63)	-3.73 (-8.31 – 7.53)	NS
$\Delta ADC95p_{80\%}^{12}$	0.49 (-1.52 – 1.97)	-2.45 (-3.16 – 2.16)	NS
$\boldsymbol{\Delta ADCsk\ [\%]}$			
$\Delta ADCsk_{5\%}^{12}$	6.08 (-12.33 – 17.26)	2.84 (-43.62 – 80.25)	NS
$\Delta ADCsk_{10\%}^{12}$	5.68 (-7.22 – 19.65)	-23.59 (-55.15 – 69.1)	NS
$\Delta ADCsk_{20\%}^{12}$	10.62 (1.18 – 23.06)	9.47 (1.19 – 22.39)	NS
$\Delta ADCsk_{40\%}^{12}$	3.32 (-2.82 – 14.46)	13.27 (4.76 – 20.27)	NS
$\Delta ADCsk_{60\%}^{12}$	2.96 (-2.65 – 10.7)	14.56 (4.74 – 15.08)	NS
$\Delta ADCsk_{80\%}^{12}$	2.92 (-1.87 – 8.62)	2.23 (-3.95 – 4.77)	NS
$\boldsymbol{\Delta ADCkurt\ [\%]}$			
$\Delta ADCkurt_{5\%}^{12}$	7.33 (-10.76 – 52.92)	-1.24 (-44.56 – 122)	NS
$\Delta ADCkurt_{10\%}^{12}$	16.03 (1.97 – 68.71)	-26.04 (-27 – 57.86)	NS
$\Delta ADCkurt_{20\%}^{12}$	59.4 (2.86 – 80.17)	19.05 (12.92 – 150.96)	NS
$\Delta ADCkurt_{40\%}^{12}$	34.63 (-9.25 – 92.23)	17.77 (8.5 – 152.04)	NS
$\Delta ADCkurt_{60\%}^{12}$	10.11 (-6.02 – 39.9)	24.49 (12.96 – 48.48)	NS
$\Delta ADCkurt_{80\%}^{12}$	5.59 (-20.62 – 17.68)	1.58 (-9.76 – 20.15)	NS
$\boldsymbol{\Delta ADCentr\ [\%]}$			
$\Delta ADCentr_{5\%}^{12}$	-0.12 (-0.32 – 0.1)	0.33 (0.18 – 1.14)	NS
$\Delta ADCentr_{10\%}^{12}$	-0.25 (-0.5 – -0.02)	0.4 (-0.32 – 0.77)	NS
$\Delta ADCentr_{20\%}^{12}$	-0.52 (-1.38 – 0.29)	-0.2 (-0.61 – 1.24)	NS
$\Delta ADCentr_{40\%}^{12}$	0 (-0.59 – 0.39)	-0.8 (-0.81 – 0.51)	NS
$\Delta ADCentr_{60\%}^{12}$	-0.05 (-0.78 – 0.36)	-0.82 (-1.85 – -0.14)	NS
$\Delta ADCentr_{80\%}^{12}$	-0.24 (-0.53 – 0.49)	-0.24 (-0.53 – 0.33)	NS

S2. Boxplots and ROC curves for significant parameters

Prediction of final response to treatment

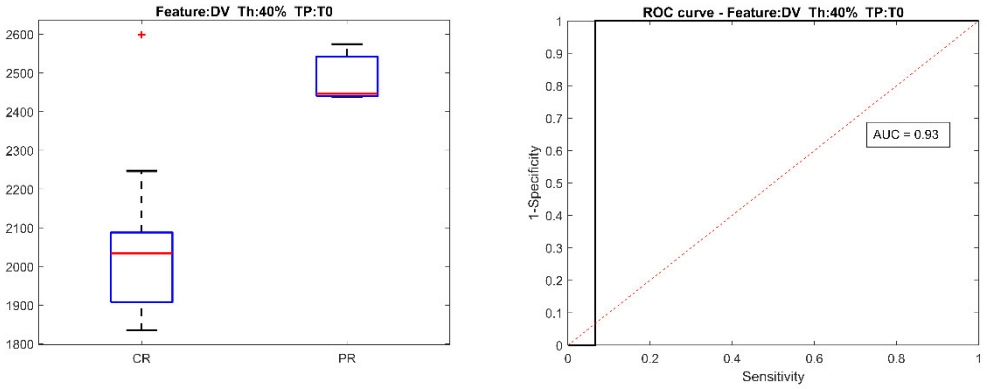

Figure S1. Boxplot (left) and ROC curve (right) for $DV^0_{40\%}$ for prediction of final response to treatment.

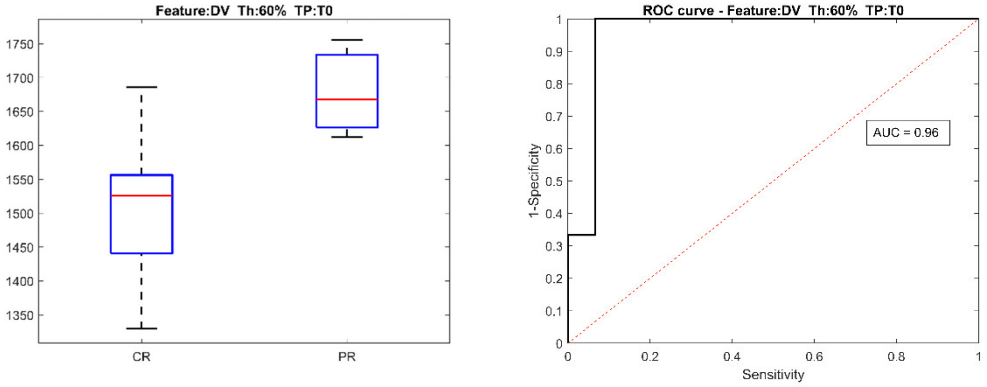

Figure S2. Boxplot (left) and ROC curve (right) for $DV^0_{60\%}$ for prediction of final response to treatment.

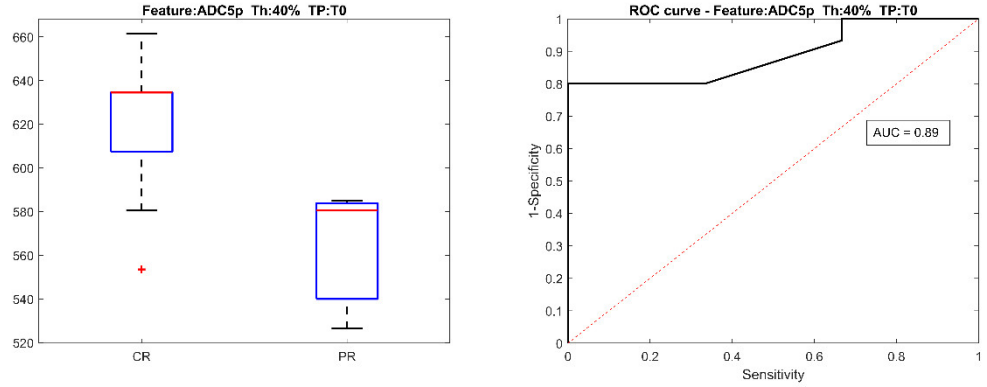

Figure S3. Boxplot (left) and ROC curve (right) for $ADC5p^0_{40\%}$ for prediction of final response to treatment.

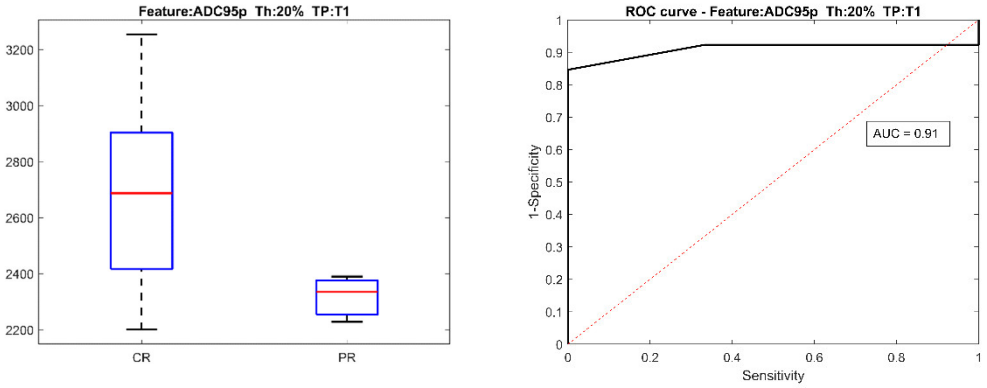

Figure S4. Boxplot (left) and ROC curve (right) for $ADC95p^{1}_{20\%}$ for prediction of final response to treatment.

Assessment of intermediate response to treatment

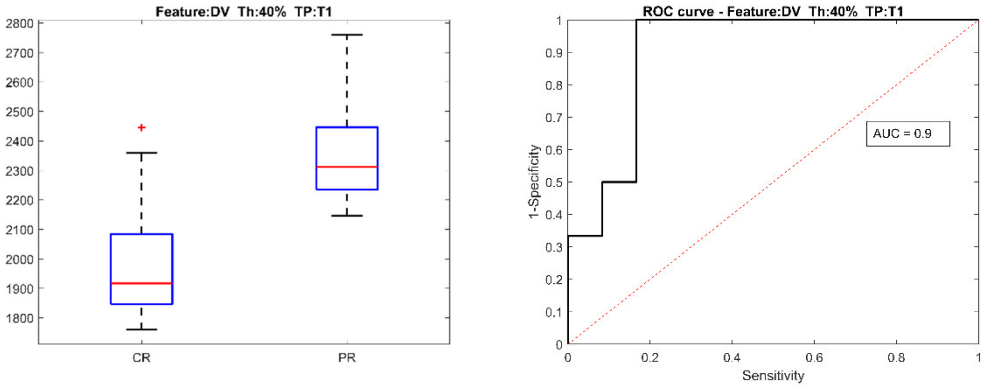

Figure S5. Boxplot (left) and ROC curve (right) for $DV^{1}_{40\%}$ for assessment of intermediate response to treatment.

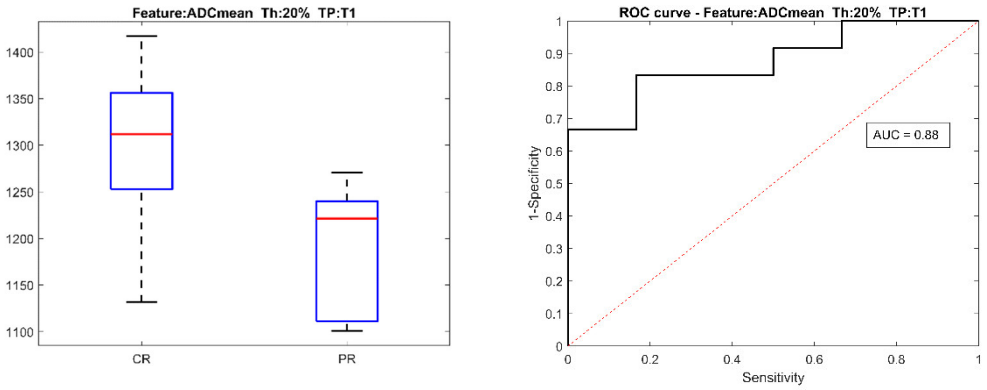

Figure S6. Boxplot (left) and ROC curve (right) for $ADCmean^{1}_{20\%}$ for assessment of intermediate response to treatment.

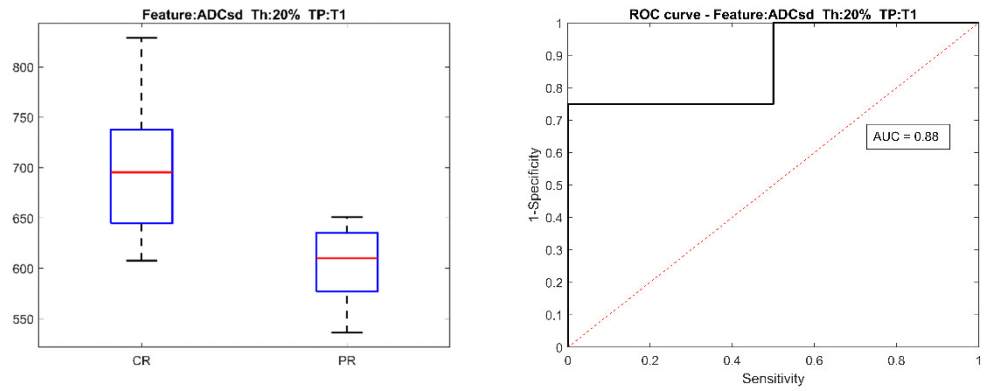

Figure S7. Boxplot (left) and ROC curve (right) for $ADCsd^{1}_{20\%}$ for assessment of intermediate response to treatment.

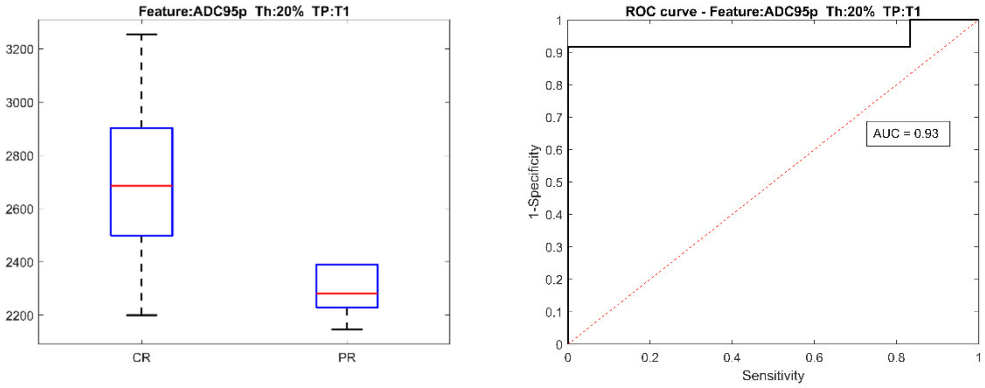

Figure S8. Boxplot (left) and ROC curve (right) for $ADC95p^{1}_{20\%}$ for assessment of intermediate response to treatment.

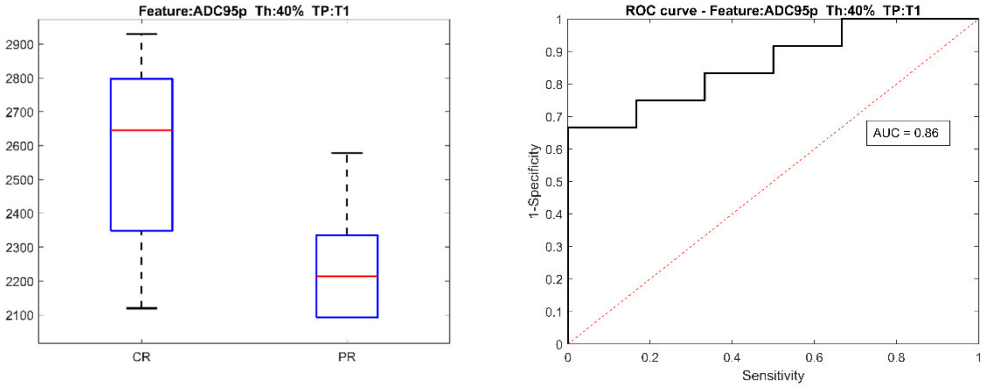

Figure S9. Boxplot (left) and ROC curve (right) for $ADC95p^{1}_{40\%}$ for assessment of intermediate response to treatment.

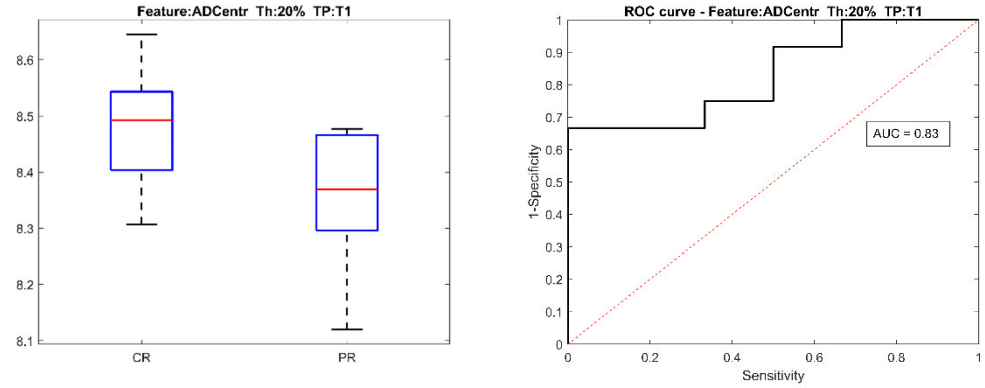

Figure S10. Boxplot (left) and ROC curve (right) for $ADCentr^{1}_{20\%}$ for assessment of intermediate response to treatment.

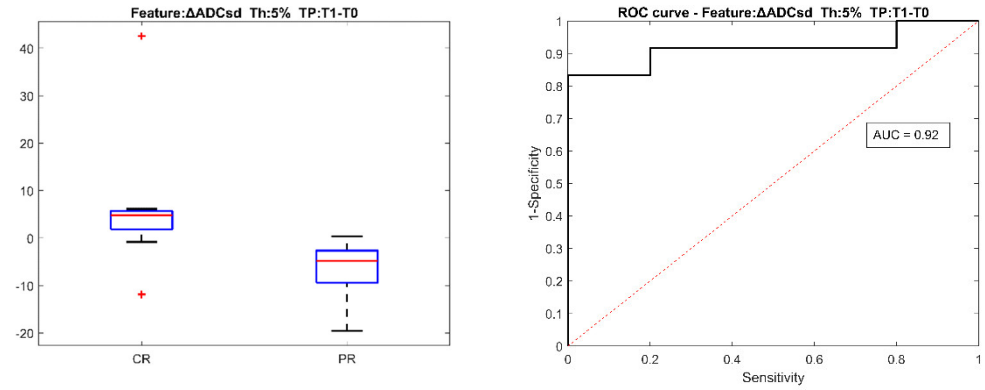

Figure S11. Boxplot (left) and ROC curve (right) for $\Delta ADCsd^{01}_{5\%}$ for assessment of intermediate response to treatment.

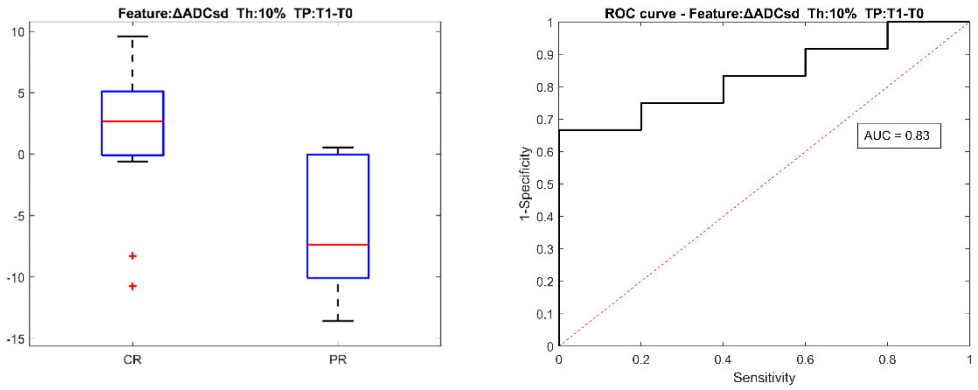

Figure S12. Boxplot (left) and ROC curve (right) for $\Delta ADCsd^{01}_{10\%}$ for assessment of intermediate response to treatment.

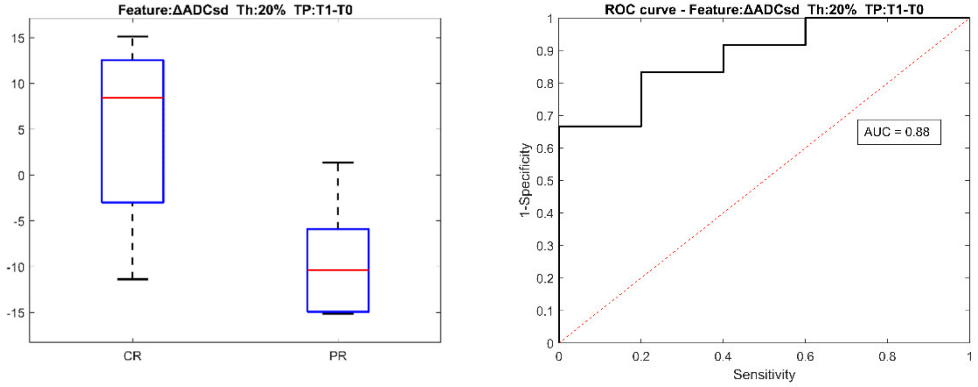

Figure S13. Boxplot (left) and ROC curve (right) for $\Delta ADCsd^{01}_{20\%}$ for assessment of intermediate response to treatment.

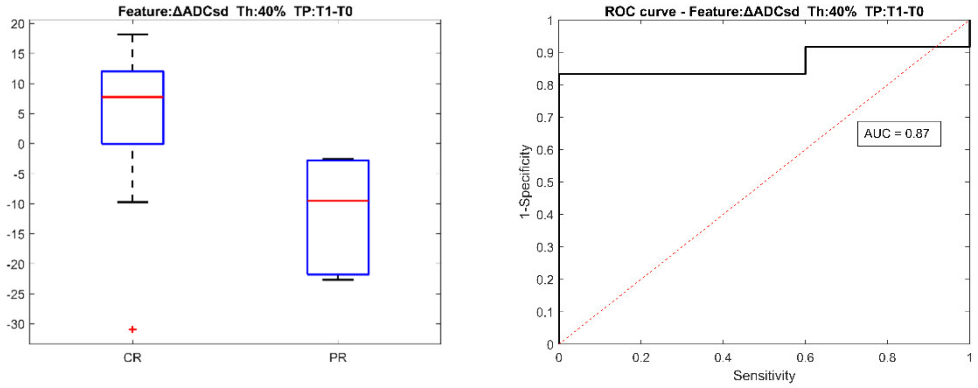

Figure S14. Boxplot (left) and ROC curve (right) for $\Delta ADCsd^{01}_{40\%}$ for assessment of intermediate response to treatment.

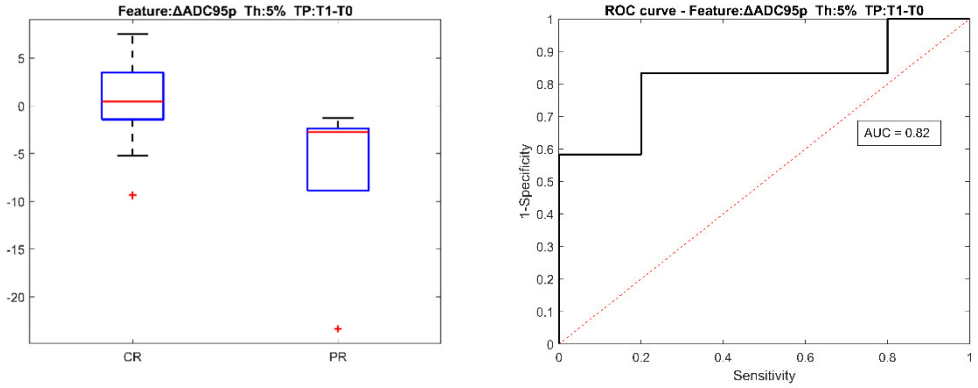

Figure S15. Boxplot (left) and ROC curve (right) for $\Delta ADC95p^{01}_{5\%}$ for assessment of intermediate response to treatment.

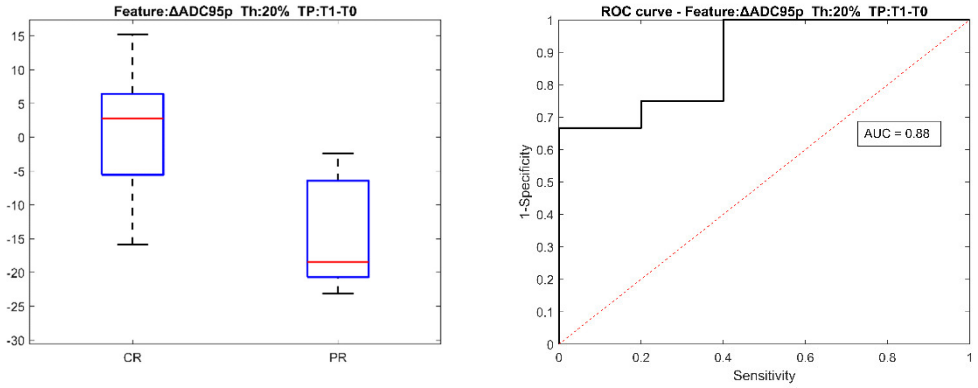

Figure S16. Boxplot (left) and ROC curve (right) for $\Delta ADC95p^{01}_{20\%}$ for assessment of intermediate response to treatment.

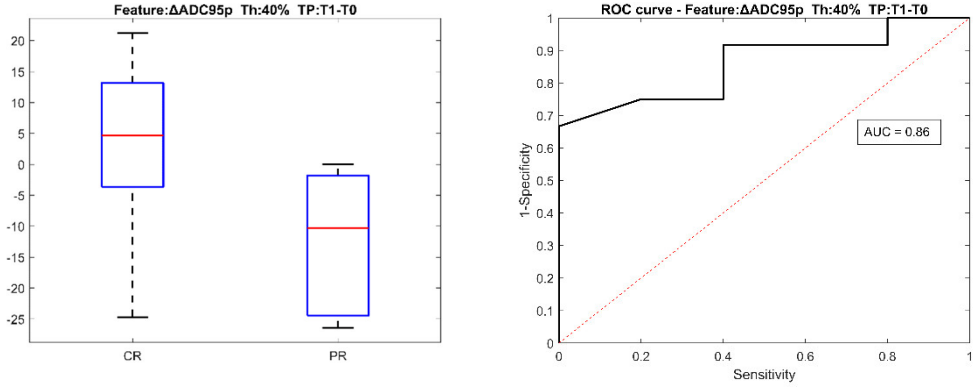

Figure S17. Boxplot (left) and ROC curve (right) for $\Delta ADC95p^{01}_{40\%}$ for assessment of intermediate response to treatment.

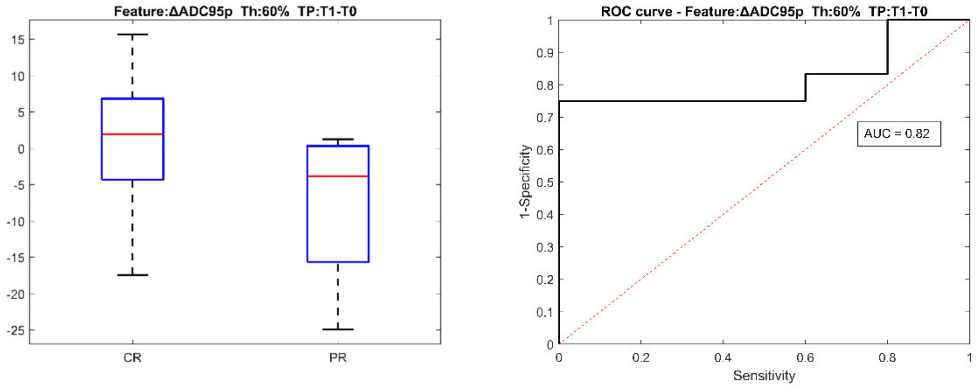

Figure S18. Boxplot (left) and ROC curve (right) for $\Delta ADC95p^{01}_{60\%}$ for assessment of intermediate response to treatment.

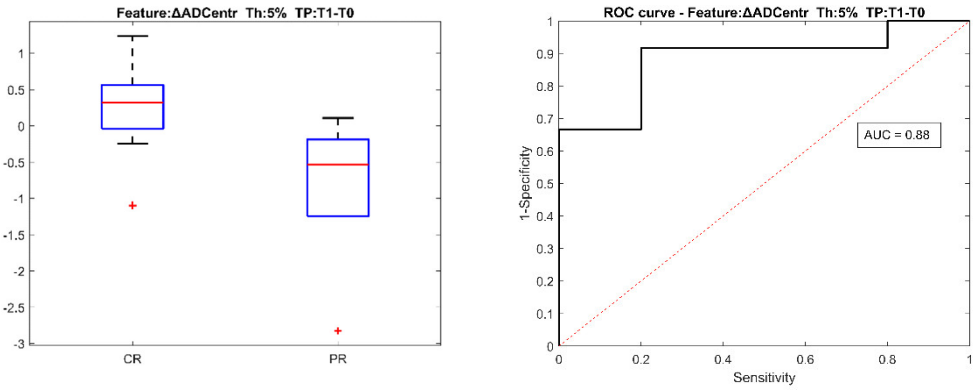

Figure S19. Boxplot (left) and ROC curve (right) for $\Delta ADCentr^{01}_{5\%}$ for assessment of intermediate response to treatment.

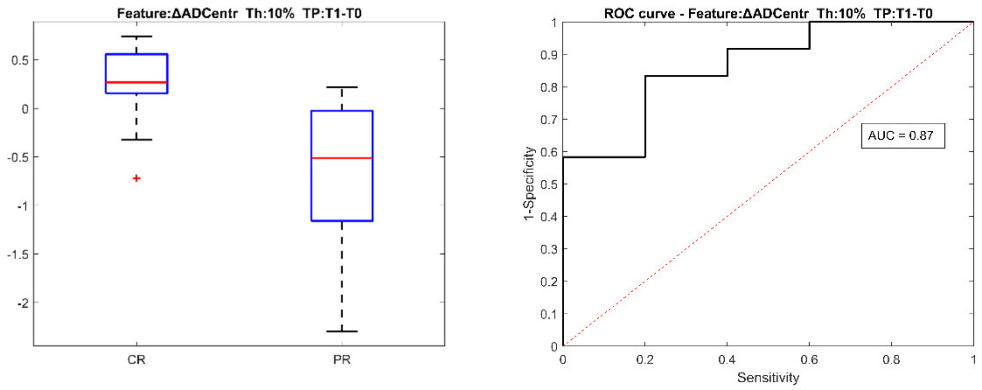

Figure S20. Boxplot (left) and ROC curve (right) for $\Delta ADCentr_{10\%}^{01}$ for assessment of intermediate response to treatment.

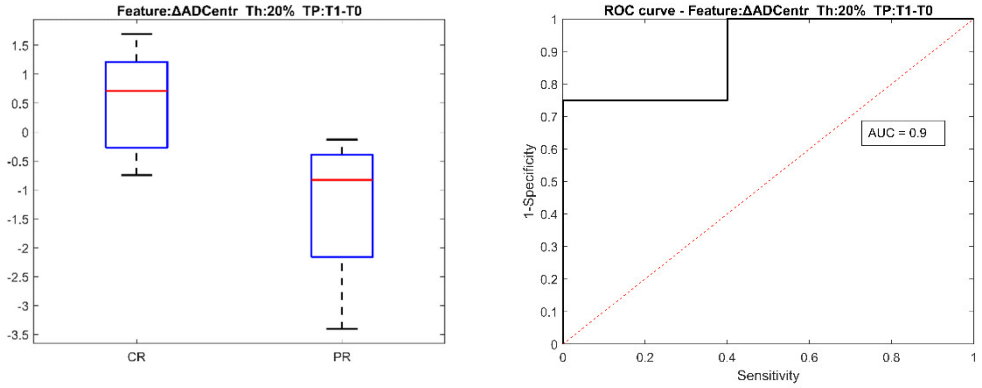

Figure S21. Boxplot (left) and ROC curve (right) for $\Delta ADCentr_{20\%}^{01}$ for assessment of intermediate response to treatment.

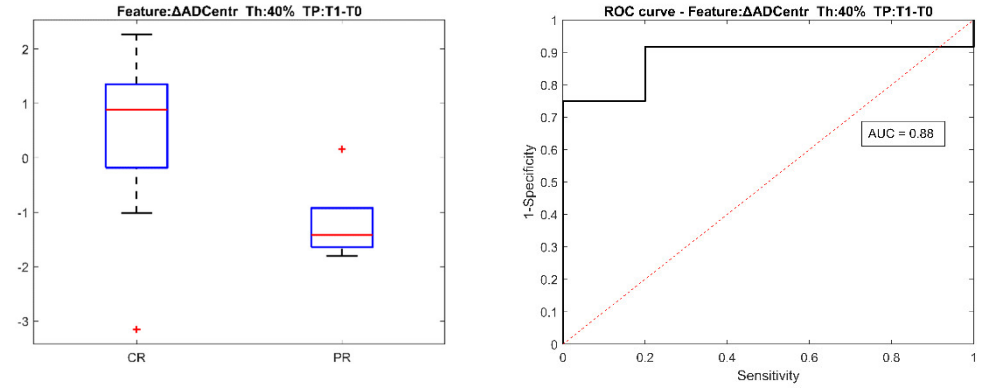

Figure S22. Boxplot (left) and ROC curve (right) for $\Delta ADCentr_{40\%}^{01}$ for assessment of intermediate response to treatment.

Assessment of final response to treatment

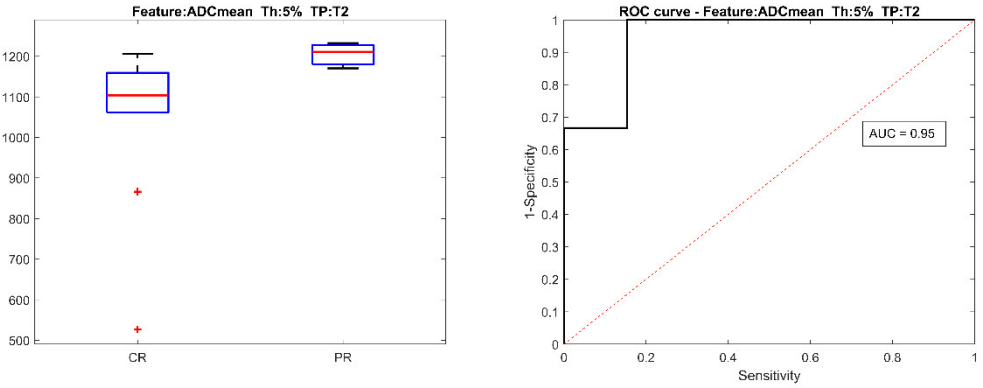

Figure S23. Boxplot (left) and ROC curve (right) for $ADCmean_{5\%}^{2}$ for assessment of final response to treatment.

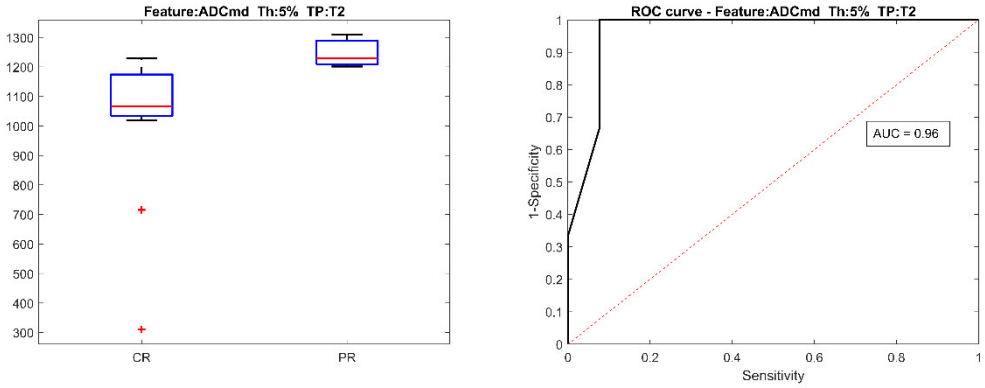

Figure S24. Boxplot (left) and ROC curve (right) for $ADCmd^{2}_{5\%}$ for assessment of final response to treatment.

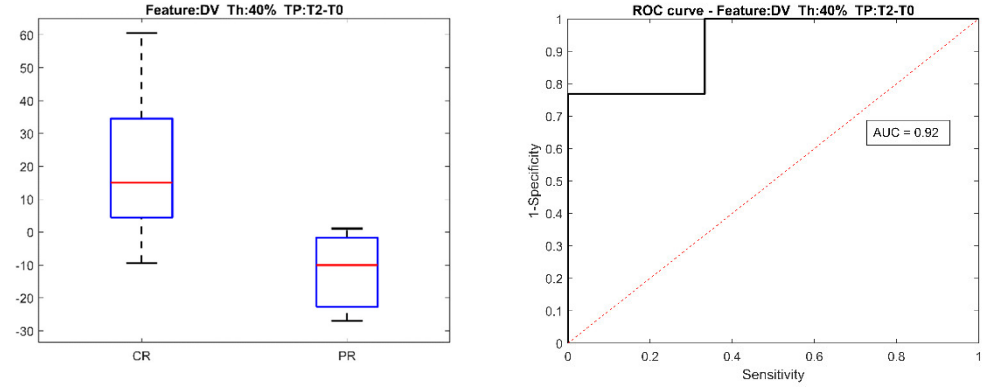

Figure S25. Boxplot (left) and ROC curve (right) for $\Delta DV^{02}_{40\%}$ for assessment of final response to treatment.

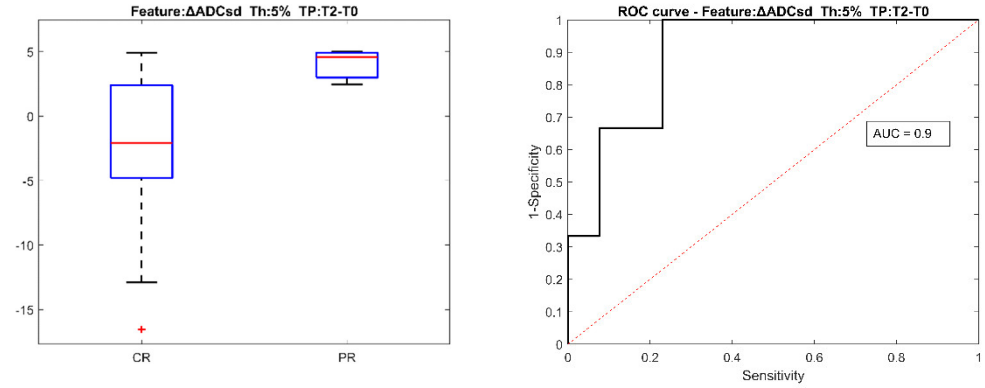

Figure S26. Boxplot (left) and ROC curve (right) for $\Delta ADCsd^{02}_{5\%}$ for assessment of final response to treatment.

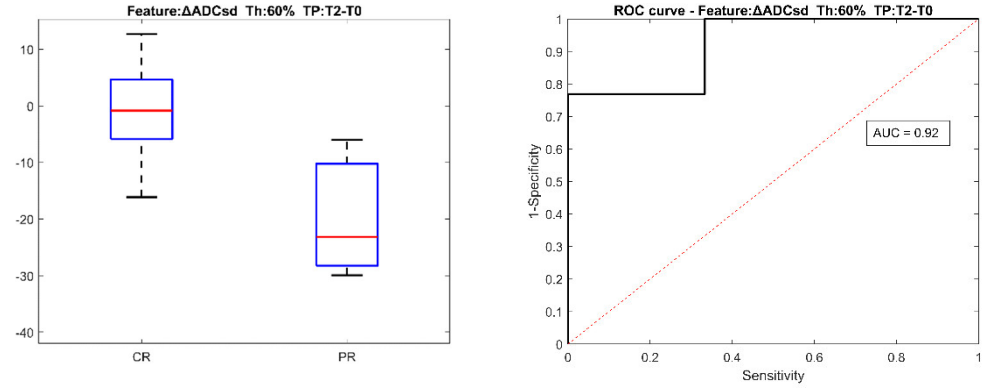

Figure S27. Boxplot (left) and ROC curve (right) for $\Delta ADCsd^{02}_{60\%}$ for assessment of final response to treatment.

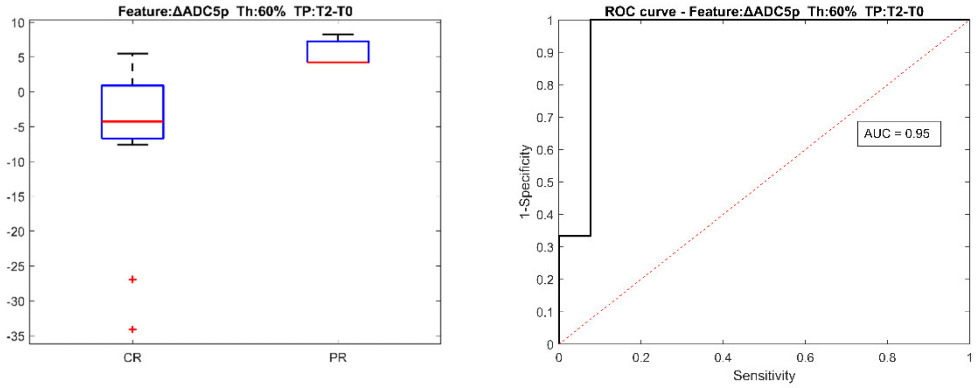

Figure S28. Boxplot (left) and ROC curve (right) for $\Delta ADC5p_{60\%}^{02}$ for assessment of final response to treatment.

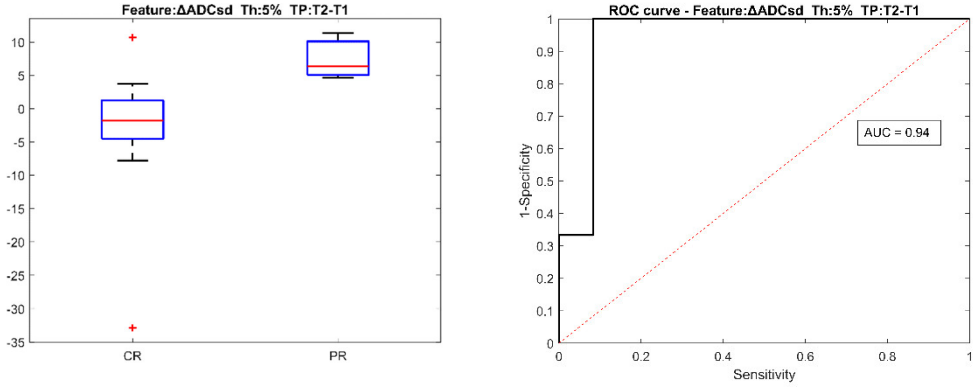

Figure S29. Boxplot (left) and ROC curve (right) for $\Delta ADCsd_{5\%}^{12}$ for assessment of final response to treatment.