

Column Name	P-value	KS Score
B_morphMRI_SHOMRI_TotalCartilageScore	4.09E-10	0.7125
B_compMRI_SHOMRI_Total	2.12E-08	0.646428571
B_demographic_Age	2.77E-07	0.598214286
B_morphMRI_Coronal_SHOMRI_CartilageLesion.FL	3.10E-07	0.595535714
B_morphMRI_Coronal_SHOMRI_CartilageLesion.ASL	3.67E-06	0.547321429
B_morphMRI_Coronal_SHOMRI_CartilageLesion.FSL	3.67E-06	0.547321429
B_morphMRI_Coronal_SHOMRI_ligamentumteres	6.10E-06	0.535714286
B_morphMRI_Sagittal_SHOMRI_CartilageLesion.AA	1.80E-05	0.513392857
B_morphMRI_SHOMRI_MiscTotal	3.51E-05	0.498214286
B_morphMRI_Sagittal_SHOMRI_CartilageLesion.FA	3.85E-05	0.496428571
B_morphMRI_Coronal_SHOMRI_CartilageLesion.FSM	0.000125043	0.467857143
B_biomech_KneeKinetics_ExMImp2	0.000349274	0.458333333
B_morphMRI_SHOMRI_TotalLabrumScore	0.000571268	0.430357143
B_morphMRI_Coronal_SHOMRI_CartilageLesion.FIM	0.000619218	0.428571429
B_morphMRI_Labrum_SHOMRI_ObliqueAxial.PL	0.000920998	0.416964286
B_KLScore_ScannedHIP	0.001256214	0.417888563
B_morphMRI_Coronal_SHOMRI_SLL	0.001356221	0.40625
B_morphMRI_Coronal_SHOMRI_CartilageLesionASM	0.001578859	0.402678571
B_biomech_KneeKinetics_FlexMImp1	0.008635679	0.364583333
B_bomech_KneeKinematics_SagExcursion	0.008635679	0.363541667
B_biomech_KneeKinetics_PeakAddM1	0.009223018	0.361458333
B_morphMRI_SHOMRI_TotalCystScore	0.009223018	0.349107143
B_biomech_KneeKinetics_ExMImp1	0.009846365	0.360416667
B_morphMRI_Labrum_SHOMRI_Sagittal.ASL	0.013573266	0.336607143
B_biomech_KneeKinetics_PeakFlexM2	0.017421443	0.339583333
B_biomech_KneeKinetics_PeakFlexM1	0.019689815	0.335416667
B_morphMRI_SHOMRI_TotalBMEScore	0.02091991	0.320535714
B_biomech_KneeKinetics_PeakAddM2	0.025030636	0.327083333
B_boimech_KneeKinetics_PeakExM1	0.033485006	0.315625
B_compMRI_Femoral_T1p_subcomp6.mean	0.035449065	0.303308824
B_compMRI_Acetabular_T2_subcomp6.mean	0.037513312	0.405612245
B_morphMRI_Sagittal_SHOMRI_SubchondralCyst.AA	0.03968188	0.298214286
B_biomech_KneeKinetics_KAM1Imp	0.041959012	0.307291667
B_biomech_HipKinetics_PeakAdd	0.044349062	0.304166667
B_biomech_HipKinetics_AddMImp	0.046856493	0.301041667
B_compMRI_Femoral_T2_subcomp5.mean	0.046856493	0.292279412
B_biomech_HipKinetics_PeakExt	0.049485877	0.298958333
B_biomech_KneeKinematics_PeakFlexAngle	0.052241889	0.297916667
B_biomech_GRF_Peak_vGRF2	0.05512931	0.295833333
B_morphMRI_SHOMRI_AlphaAngle	0.061318012	1
B_biomech_KneeKinetics_KAM1Imp	0.061318012	0.291666667

B_compMRI_Femoral_T1p_subcomp4.mean	0.064629354	0.279411765
B_demographic_BMI	0.071711875	0.275
B_compMRI_Femoral_T1p_subcomp7.mean	0.101897779	0.263282732
B_compMRI_Femoral_T1p_subcomp5.mean	0.106970102	0.259191176
B_KLScore_ContralateralHip	0.112249667	0.298534799
B_biomech_HipKinetics_ExtMImp	0.112249667	0.263541667
B_shape_mode_20	0.123453809	0.274725275
B_biomech_HipKinematics_PeakIRM	0.155497818	0.25
B_biomech_HipKinematics_PeakAdd	0.155497818	0.25
B_compMRI_Femoral_T1p_wholecartilage.mean	0.16264398	0.238970588
B_morphMRI_Labrum_SHOMRI_ObliqueAxial.AL	0.16264398	0.2375
B_shape_mode_4	0.170048974	0.258241758
B_biomech_KneeKinetics_PeakIRM	0.170048974	0.24375
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.ASL	0.170048974	0.235714286
B_PROMs_IPAQ_ss_wdhrs_c	0.170048974	0.234821429
B_PROMs_IPAQ_walking_met	0.177718193	0.241935484
B_PROMs_Hoos_adl_score	0.185656892	0.231431159
B_PROMs_Hoos_womac_function	0.185656892	0.231431159
B_biomech_GRF_vGRF2_impulse	0.19387017	0.2375
B_compMRI_Acetabular_T2_subcomp4.mean	0.19387017	0.229779412
B_shape_mode_8	0.211139916	0.247252747
B_biomech_HipKinetics_FlexMImp	0.211139916	0.233333333
B_compMRI_Acetabular_T1p_subcomp2.mean	0.211139916	0.226102941
B_shape_mode_18	0.229564074	0.241758242
B_PROMs_PROMIS_physical_raw	0.239219363	0.248397436
B_PROMs_PROMIS_physical_se	0.239219363	0.248397436
B_PROMs_PROMIS_physical_t	0.239219363	0.248397436
B_biomech_HipKinetics_PeakFlexM	0.239219363	0.227083333
B_compMRI_Femoral_T2_subcomp7.mean	0.239219363	0.222485769
B_morphMRI_Sagittal_SHOMRI_BoneMarrowEdema.AA	0.239219363	0.21875
B_shape_mode_5	0.249174996	0.239010989
B_PROMs_ROM_harris_q10a	0.269999672	0.23180593
B_compMRI_Femoral_T2_subcomp6.mean	0.280873839	0.211397059
B_morphMRI_Sagittal_SHOMRI_CartilagelLesion.FP	0.280873839	0.209821429
B_compMRI_Acetabular_T1p_subcomp4.mean	0.292058511	0.209558824
B_PROMs_Hoos_sympoms_score	0.292058511	0.207880435
B_morphMRI_Coronal_SHOMRI_greatertrochanter	0.303554983	0.222431078
B_biomech_KneeKinetics_FlexMImp2	0.303554983	0.214583333
patient #	0.303554983	0.204861111
B_PROMs_IPAQ_moderate_met	0.315363956	0.209677419
B_biomech_KneeKinematics_PeakInternalRotation	0.327485484	0.208333333
B_compMRI_Acetabular_T2_subcomp2.mean	0.327485484	0.202205882

B_compMRI_Acetabular_T1p_subcomp3.mean	0.327485484	0.202205882
B_demographic_Gender	0.327485484	0.201785714
B_biomech_HipKinematics_PeakFlex	0.339918919	0.207291667
B_demographic_HipSide	0.352662846	0.196428571
B_shape_mode_1	0.365715031	0.214285714
B_shape_mode_13	0.379072346	0.211538462
B_compMRI_Femoral_T2_subcomp2.mean	0.379072346	0.194852941
B_PROMs_ROM_harris_q10e	0.392730708	0.208894879
B_shape_mode_11	0.420929025	0.206043956
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.ASM	0.420929025	0.1875
B_compMRI_Femoral_T2_subcomp4.mean	0.435455382	0.185661765
B_compMRI_Femoral_T1p_subcomp3.mean	0.450255436	0.183823529
B_biomech_HipKinetics_PeakERM	0.46531922	0.1875
B_PROMs_PROMIS_rescored07	0.48063536	0.203764321
B_shape_mode_16	0.48063536	0.195054945
B_biomech_GRF_vGRF1_impulse	0.48063536	0.184375
B_demographic_GroupDuringRecruitment	0.48063536	0.177678571
B_compMRI_Acetabular_T1p_subcomp6.mean	0.496190995	0.238520408
B_morphMRI_Sagittal_SHOMRI_CartilageLesion.AP	0.496190995	0.175892857
B_PROMs_Hoos_womac_pain	0.511971705	0.174365942
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.ASL	0.511971705	0.173214286
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.FSM	0.511971705	0.173214286
B_biomech_HipKinematics_PeakSagROM	0.576998139	0.170833333
B_bomech_KneeKinematics_FlexInitialContact	0.576998139	0.170833333
B_biomech_HipKinematics_PeakEx	0.576998139	0.170833333
B_PROMs_IPAQ_ss_mdhrs_c	0.576998139	0.166071429
B_bomech_KneeKinematics_PeakExternalRotation	0.593628256	0.16875
B_PROMs_Hoos_womac_stiffness	0.593628256	0.164402174
B_compMRI_Acetabular_T2_subcomp5.mean	0.610360271	0.161764706
B_biomech_KneeKinematics_SagittalROM	0.627167042	0.165625
B_shape_mode_19	0.644019457	0.173076923
B_PROMs_Hoos_pain_score	0.644019457	0.161290323
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.ASM	0.644019457	0.15625
B_shape_mode_2	0.660886439	0.17032967
B_shape_mode_3	0.660886439	0.17032967
B_PROMs_ROM_harris_q10b	0.660886439	0.168463612
B_bomech_KneeKinematics_PeakAbduction	0.660886439	0.159375
B_compMRI_Femoral_T2_wholecartilage.mean	0.677734966	0.152573529
B_compMRI_Acetabular_T2_wholecartilage.mean	0.677734966	0.152573529
B_morphMRI_Coronal_SHOMRI_centeredgeangle	0.694530128	0.538461538
B_shape_mode_7	0.694530128	0.164835165
B_shape_mode_10	0.694530128	0.164835165

B_morphMRI_Axial_SHOMRI_ParalabralCyst	0.694530128	0.15
B_shape_mode_12	0.711235195	0.162087912
B_morphMRI_Axial_SHOMRI_Effusion	0.744219726	0.144642857
B_compMRI_Acetabular_T1p_subcomp5.mean	0.760417794	0.143382353
B_PROMs_Hoos_qol_score	0.760417794	0.142210145
B_morphMRI_Sagittal_SHOMRI_SubchondralCyst.AP	0.760417794	0.141964286
B_shape_mode_6	0.77636338	0.153846154
B_PROMs_harris_score_total	0.792013032	0.150793651
B_biomech_KneeKinetics_PeakERM	0.792013032	0.142708333
B_compMRI_Femoral_T1p_subcomp2.mean	0.792013032	0.137867647
B_PROMs_ROM_harris_q10c	0.807322717	0.148247978
B_shape_mode_15	0.850770995	0.142857143
B_biomech_KneeKinetics_PeakExM2	0.864282779	0.132291667
B_PROMs_IPAQ_ss_vdhrs_c	0.864282779	0.126785714
B_biomech_KneeKinematics_PeakAdduction	0.877240341	0.130208333
B_PROMs_IPAQ_vigorous_met	0.877240341	0.129032258
B_biomech_HipKinematics_PeakERM	0.912423018	0.121875
B_biomech_HipKinematics_PeakAbd	0.912423018	0.121875
B_compMRI_Acetabular_T1p_wholecartilage.mean	0.922816795	0.117647059
compositional acetabular	0.932503047	0.11603274
B_morphMRI_Axial_SHOMRI_Bump	0.932503047	0.114130435
B_compMRI_Femoral_T2_subcomp3.mean	0.941465537	0.112132353
B_biomech_GRF_linear_loading_rate	0.949694307	0.114583333
B_morphMRI_Coronal_SHOMRI_acetabularundercoverag	0.949694307	0.110714286
B_biomech_KneeKinematics_PeakExtensionMidstance	0.957186197	0.1125
B_PROMs_Hoos_sports_score	0.957186197	0.108695652
B_PROMs_harris_q10	0.963945244	0.106884058
B_biomech_GRF_Peak_vGRF1	0.979977956	0.102083333
B_compMRI_Acetabular_T2_subcomp3.mean	0.979977956	0.099264706
B_shape_mode_9	0.983995343	0.107142857
B_shape_mode_14	0.990269608	0.101648352
B_shape_mode_17	0.992622715	0.098901099
B_PROMs_IPAQ_categorical_score	0.994523714	0.089294063
B_morphMRI_Sagittal_SHOMRI_BoneMarrowEdema.FA	0.998070641	0.082142857
B_PROMs_ROM_harris_q10d	0.998715146	0.089447939
B_PROMs_PROMIS_mental_se	0.999697147	0.083333333
B_PROMs_PROMIS_mental_raw	0.999697147	0.083333333
B_demographic_Ethnicity	0.999990694	0.063392857
B_morphMRI_Sagittal_SHOMRI_BoneMarrowEdema.AP	0.999990694	0.0625
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.FL	0.999990694	0.0625
B_morphMRI_Sagittal_SHOMRI_BoneMarrowEdema.FP	0.999990694	0.0625
compositional femoral	0.999999973	0.053923929

B_morphMRI_Coronal_SHOMRI_BoneMarrowAdema.FIM	0.999999999	0.048214286
B_morphMRI_Axial_SHOMRI_AcetabularOvercoverage	1	0.041213768
B_demographic_Race	1	0.039285714
morphological progressor STRONG(2) LOOSE(1)	1	0.034722222
B_morphMRI_Axial_SHOMRI_LooseBodies	1	0.033928571
B_morphMRI_Coronal_SHOMRI_BoneMarrowEdema.FSL	1	0.03125
B_morphMRI_Sagittal_SHOMRI_SubchondralCyst.FA	1	0.03125
B_morphMRI_Coronal_SHOMRI_insufficiencyfractures	1	0.017241379
B_morphMRI_Sagittal_SHOMRI_SubchondralCyst.FP	1	0.014285714
B_morphMRI_Axial_SHOMRI_HerniationPit	1	0.013586957
HOOS progressor (2) vs non (1)	1	0.006944444
B_demographic_DominantLeg	1	0.00621118
B_PROMs_harris_q9	1	1.89E-15
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.FL	1	1.67E-15
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.FSL	1	1.67E-15
B_morphMRI_Coronal_SHOMRI_SubchondralCyst.FSM	1	1.67E-15
B_morphMRI_Coronal_SHOMRI_subchondralcyst.FIM	1	1.67E-15