Table S1 Comparison of segmentation results of nnU-net models on different datab	ases
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Variables	Overall	BMC	HK	I2CVB	MSD	Prostate158	RUNMC	UCL
	(n=255)	(n=30)	(n=12)	(n=19)	(n=32)	(n=119)	(n=30)	(N=13)
Dice (%)	95.33	95.59	95.50	95.46	95.51	94.86	96.47	95.43
	(94.47, 96.00)	(95.23, 95.82)	(95.17, 95.81)	(94.29, 95.76)	(94.13, 96.67)	(94.27, 95.55)	(95.87, 97.08)	(95.14, 96.14)
RVE (%)	1.57	0.97	1.56	1.10	2.00	1.63	1.74	1.43
	(0.63, 2.62)	(0.64, 1.86)	(0.58, 1.87)	(0.63, 1.81)	(0.62, 3.29)	(0.88, 2.58)	(0.56, 2.95)	(0.17, 3.09)
Sensitivity	100.00	95.38	95.53	94.83	100.00	100.00	96.07	95.01
(%)	(95.68, 100.00)	(94.64, 96.03)	(95.04, 96.37)	(94.23, 95.82)	(100.00, 100.00)	(100.00, 100.00)	(95.07, 96.63)	(94.71, 95.94)
Specificity	99.71	99.70	99.75	99.75	99.49	99.71	99.67	99.76
(%)	(99.58, 99.79)	(99.60, 99.76)	(99.72, 99.81)	(99.71, 99.81)	(99.29, 99.62)	(99.60, 99.80)	(99.57, 99.74)	(99.70, 99.83)
HD95 (mm)	2.73	2.41	2.83	2.73	3.00	2.41	2.83	2.83
	(2.41, 3.00)	(2.00, 2.80)	(2.65, 2.83)	(2.41, 3.15)	(2.73, 3.76)	(2.00, 3.00)	(2.41, 3.15)	(2.41, 3.00)

Data are presented as median (IQR). IQR, interquartile range; nnU-net, no-new-Net; RVE, relative volume error.

 Table S2 T-test of radiomics features

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Features	P value <sup>†</sup>	Adjust P value <sup>∓</sup>	Alpha × k/N
wavelet.HHH_glszm_SizeZoneNonUniformity	1.590000E-06	3.386600E-05	1.219512E-03
log.sigma.3.mm.3D_glrlm_ShortRunLowGrayLevelEmphasis	1.740000E-06	3.386600E-05	2.439024E-03
wavelet.HLL_glszm_GrayLevelNonUniformity	3.050000E-06	3.386600E-05	3.658537E-03
log.sigma.3.mm.3D_gldm_SmallDependenceHighGrayLevelEmphasis	4.000000E-06	3.386600E-05	4.878049E-03
wavelet.HLL_glszm_SizeZoneNonUniformity	4.130000E-06	3.386600E-05	6.097561E-03
log.sigma.3.mm.3D_ngtdm_Busyness	9.790000E-06	5.915714E-05	7.317073E-03
wavelet.HHH_firstorder_Kurtosis	1.010000E-05	5.915714E-05	8.536585E-03
wavelet.HHH_glszm_ZoneVariance	2.680000E-05	1.373500E-04	9.756098E-03
wavelet.HHH_glszm_SmallAreaHighGrayLevelEmphasis	4.490000E-05	2.045444E-04	1.097561E-02
wavelet.HHH_glrlm_RunLengthNonUniformityNormalized	6.280000E-05	2.574800E-04	1.219512E-02
log.sigma.5.mm.3D_glrlm_ShortRunLowGrayLevelEmphasis	1.612020E-04	6.008438E-04	1.341463E-02
wavelet.HLH_glszm_SizeZoneNonUniformity	1.847330E-04	6.311711E-04	1.463415E-02
original_shape_Elongation	2.439070E-04	6.911397E-04	1.585366E-02
wavelet.LLH_firstorder_Maximum	2.527660E-04	6.911397E-04	1.707317E-02
wavelet.HHL_glszm_SizeZoneNonUniformity	2.528560E-04	6.911397E-04	1.829268E-02
wavelet.LLL_glszm_SizeZoneNonUniformity	3.334260E-04	8.544041E-04	1.951220E-02
wavelet.LHL_glszm_GrayLevelNonUniformity	3.923590E-04	8.707321E-04	2.073171E-02
wavelet.HHH_glszm_SmallAreaEmphasis	4.001290E-04	8.707321E-04	2.195122E-02
wavelet.LHL_glszm_SizeZoneNonUniformity	4.035100E-04	8.707321E-04	2.317073E-02
square_firstorder_Skewness	4.990230E-04	1.022997E-03	2.439024E-02
wavelet.LHH_glszm_SizeZoneNonUniformity	5.588340E-04	1.057315E-03	2.560976E-02
wavelet.LLH_glrIm_RunEntropy	5.673400E-04	1.057315E-03	2.682927E-02
wavelet.LLH_glszm_GrayLevelNonUniformity	7.240330E-04	1.273362E-03	2.804878E-02
log.sigma.3.mm.3D_firstorder_Skewness	7.735530E-04	1.273362E-03	2.926829E-02
log.sigma.3.mm.3D_glrlm_ShortRunEmphasis	7.764400E-04	1.273362E-03	3.048780E-02
wavelet.LHL_glcm_Autocorrelation	1.202500E-03	1.837708E-03	3.170732E-02
log.sigma.5.mm.3D_glszm_SizeZoneNonUniformity	1.210198E-03	1.837708E-03	3.292683E-02
wavelet.LLH_glszm_ZoneEntropy	1.546429E-03	2.264414E-03	3.414634E-02
wavelet.HHL_firstorder_Kurtosis	1.719680E-03	2.431272E-03	3.536585E-02
log.sigma.3.mm.3D_glrlm_LongRunLowGrayLevelEmphasis	2.408552E-03	3.191500E-03	3.658537E-02
wavelet.LHL_glszm_ZonePercentage	2.413085E-03	3.191500E-03	3.780488E-02
wavelet.HHH_glszm_GrayLevelNonUniformity	2.578834E-03	3.304131E-03	3.902439E-02
log.sigma.5.mm.3D_glrlm_LongRunLowGrayLevelEmphasis	3.053450E-03	3.707851E-03	4.024390E-02
wavelet.HLH_glszm_GrayLevelNonUniformity	3.127774E-03	3.707851E-03	4.146341E-02
wavelet.LLH_gldm_DependenceNonUniformityNormalized	3.165239E-03	3.707851E-03	4.268293E-02
wavelet.LLH firstorder Minimum	3.584583E-03	4.082442E-03	4.390244E-02
wavelet.HHH_firstorder_Skewness	3.981568E-03	4.412008E-03	4.512195E-02
wavelet.LLH_glrIm_LowGravLevelRunEmphasis	5.288121E-03	5.705604E-03	4.634146E-02
log.sigma.5.mm.3D_glrIm_RunPercentage	7.221203E-03	7.591521E-03	4.756098E-02
wavelet.HHL glszm GrayLevelNonUniformity	9.100065E-03	9.327567E-03	4.878049E-02
wavelet.HLH glszm ZoneEntropy	9.341739E-03	9.341739E-03	5.00000E-02
wavelet.HHH_firstorder_Skewness wavelet.LLH_glrIm_LowGrayLevelRunEmphasis log.sigma.5.mm.3D_glrIm_RunPercentage wavelet.HHL_glszm_GrayLevelNonUniformity wavelet.HLH_glszm_ZoneEntropy	3.981568E-03 5.288121E-03 7.221203E-03 9.100065E-03 9.341739E-03	4.412008E-03 5.705604E-03 7.591521E-03 9.327567E-03 9.341739E-03	4.512195E-02 4.634146E-02 4.756098E-02 4.878049E-02 5.000000E-02

<sup>†</sup>, Student's *t*-test or Welch's *t*-test. <sup>‡</sup>, BH test. BH, Benjamini-Hochberg.