

## **Multiplexed immunofluorescence imaging reveals an immune rich tumor microenvironment in mucinous rectal cancer characterized by increased lymphocyte infiltration and enhanced PD-1 expression**

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### CITATION

Duggan, William; Kisakol, Batuhan; O'Connell, Emer; Matveeva, Anna; O'Grady, Anthony; McDonough, Elizabeth; et al. (2023). Multiplexed immunofluorescence imaging reveals an immune rich tumor microenvironment in mucinous rectal cancer characterized by increased lymphocyte infiltration and enhanced PD-1 expression. Royal College of Surgeons in Ireland. Journal contribution.  
<https://hdl.handle.net/10779/rcsi.21995705.v1>

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Variable	CD3	CD4	CD8	CD20	FOXP3	PD-1
<b>Male</b>	0.13	0.06	0.01	0.18	0.01	3.36
<b>Age</b>	-0.15	-0.15	-0.14	-0.09	-0.05	-0.22
<b>Stage</b>	-0.17	-0.01	-0.15	0.01	-0.15	-0.07
<b>Neoadjuvant CRT</b>	<b>3.84*</b>	0.15	1.56	3.17	0.51	<b>8.95*</b>
<b>MSI-high</b>	0.07	<b>5.51*</b>	0.04	0.02	0.29	0.15
<b>Mucinous Status</b>	<b>7.53*</b>	1.53	2.63	<b>6.41*</b>	<b>6.70*</b>	<b>8.40*</b>

**Table 3.** A correlative model demonstrating association between clinical and pathological characteristics and immune marker expression. The age coefficient represents the correlation coefficient. For the other categorical variables, the coefficient represents the Kruskal-Wallis H statistic. *MSI*/microsatellite instability. \* =  $p < 0.05$ .