

An insight into the driver mutations and molecular mechanisms underlying mucinous adenocarcinoma of the rectum

AUTHOR(S)

Ian Reynolds, Emer O'Connell, Michael Fichtner, Anna Blümel, Sam E Mason, James Kinross, Deborah McNamara, Elaine W Kay, Darran O'Connor, Sudipto Das, John Burke, Jochen Prehn

CITATION

Reynolds, Ian; O'Connell, Emer; Fichtner, Michael; Blümel, Anna; Mason, Sam E; Kinross, James; et al. (2021): An insight into the driver mutations and molecular mechanisms underlying mucinous adenocarcinoma of the rectum. Royal College of Surgeons in Ireland. Journal contribution.
<https://hdl.handle.net/10779/rcsi.14988471.v1>

HANDLE

[10779/rcsi.14988471.v1](https://hdl.handle.net/10779/rcsi.14988471.v1)

LICENCE

CC BY-NC-SA 4.0

This work is made available under the above open licence by RCSI and has been printed from <https://repository.rcsi.com>. For more information please contact repository@rcsi.com

URL

https://repository.rcsi.com/articles/journal_contribution/An_insight_into_the_driver_mutations_and_molecular_mechanisms_underlying_mucinous_adenocarcinoma_of_the_rectum/14988471/1

Characteristic	MC (n=33)	AC (n=100)	P-Value
Gender			
• Male	23 (69.70%)	66 (66.00%)	0.83
• Female	10 (30.30%)	34 (34.00%)	
Mean Age (+/- SEM)	65.09 (+/-2.36)	63.95 (+/-1.20)	0.65
Disease Stage			
• 0/1/2	16 (48.48%)	51 (51.00%)	0.84
• 3/4	17 (51.52%)	49 (49.00%)	
Neoadjuvant Treatment	22 (66.67%)	77 (77.00%)	0.26
PCR	0 (0.00%)	3 (3.90%)	0.99
Response to Treatment			0.04
• Good (TRG 1-2)	3 (13.64%)	29 (37.66%)	
• Bad (TRG 3-5)	19 (86.36%)	48 (62.34%)	
Poorly Differentiated	6 (18.18%)	6 (6.00%)	0.07
Lymphovascular Invasion	5 (15.15%)	22 (22.00%)	0.46
Perineural Invasion	4 (12.12%)	19 (19.00%)	0.44
Extramural Venous Invasion	4 (12.12%)	22 (22.00%)	0.31
Positive Resection Margin	3 (9.09%)	6 (6.00%)	0.69

Table 1 | Patient demographics & clinicopathological data. MC = Mucinous adenocarcinoma of the rectum, AC = adenocarcinoma not otherwise specified of the rectum, SEM = Standard error of the mean, PCR = Pathological complete response, TRG = Tumour regression grade. Results are given as n (%)