

Bangor University

DOCTOR OF PHILOSOPHY

Analysis of human germ lines genes for clinical applications

Alharbi, Ahmed

Award date:
2017

Awarding institution:
Bangor University

[Link to publication](#)

General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal ?

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Age	Gender	Case	Site	Differentiation
61	F	C9	Descending	Moderate
71	M	C19	Sigmoid	Moderate
53	M	C20	Recto-sigmoid	Moderate
79	F	C21	Ascending	Poor
72	M	C22	Ascending	Moderate
78	F	C23	Recto-sigmoid	Moderate
73	M	C24	Caecum	Moderate
79	M	C25	Caecum	Moderate
76	F	C26	Ascending	Moderate
60	F	C27	Sigmoid	Moderate
74	M	C28	Descending	Moderate
79	M	C33	Ascending	Moderate
77	F	C35	Caecum	Moderate
65	M	C38	Sigmoid	Moderate
67	M	C40	Transverse	Moderate
90	M	C45	Ascending	Poor

T – Tumour; N – Node; M – Metastasis; EVA – Extramural Vascular Invasion;

Dukes' stage	T	N	Positive/identified	M	EVA
B	3	0	(0/4)	X	No
C	3	2	(7/18)	X	Yes
C	2	4	(4/12)	X	No
B	3	0	(0/6)	X	No
B	3	0	(0/7)	X	No
B	2	0	(0/50)	X	No
C	3	1	(3/14)	X	No
B	3	0	(0/14)	X	No
B	3	0	(0/6)	X	No
B	3	0	(0/8)	X	Yes
A	2	0	(0/11)	X	No
B	3	0	(0/13)	X	No
B	3	0	(0/18)	X	No
B	3	0	(0/8)	X	No
B	3	0	(0/4)	X	No
B	3	0	(0/18)	X	No

; X – denotes unknown.