

**ROYAL MARSDEN NHS FOUNDATION TRUST - HISTOPATHOLOGY REPORT**  
 742663: [REDACTED] - NHS Number: [REDACTED]

<b>Lab No</b>	0487/20	<b>Reported</b>	24 Jan 2020	<b>Pathologist</b>	DR HALLIN/DR THWAY
<b>Source</b>	Referral	<b>Sample Received</b>	13 Jan 2020	<b>Ward</b>	
<b>Other Hospital</b>				<b>Other Hospital Number</b>	
<b>Sex</b>	FEMALE	<b>Age</b>	64	<b>Branch</b>	FULHAM ROAD
<b>Clinical Diagnosis</b>		<b>Operation</b>		<b>Consultant</b>	THWAY, DR K K Y

<b>SITE</b>	<b>DIAGNOSIS</b>
A SOFT TISSUE AND OTHER CONNECTIVE TISSUE ( T1X005 )	GIST, MALIGNANT ( M89363 )
B STOMACH ( T63000 )	GIST, MALIGNANT ( M89363 )

64 YEAR OLD FEMALE, WITH TUMOUR FROM SEROSAL SURFACE OF STOMACH. CLINICALLY ?GIST. THIS SPECIMEN: GASTRIC RESECTION FOR GIST FROM OCT 2019, PREVIOUSLY REPORTED BY DR NIKTASH. THE MATERIAL HAS NOW BEEN VERY KINDLY FORWARDED HERE BY COLLEAGUES AT COLCHESTER HOSPITAL ON THE REQUEST OF DR SUAT LOO

#### MACROSCOPY

Received from Colchester General Hospital; 6 blocks 17 s/s ref 19223/19.

#### HISTOLOGY

Sections show cellular tumour, composed of patternless arrays of essentially uniform cells with predominantly ovoid to focally spindled vesicular nuclei and scanty cytoplasm in focally amphophilic myxoid stroma. No definite cellular atypia is seen. The mitotic index is up to 1-2 mitotic figures per 5mm<sup>2</sup>. No necrosis is seen. No gastric mucosa is identified.

Immunohistochemistry from the referring institution shows the tumour to be diffusely and moderately to predominantly strongly positive for CD117 and DOG1. There is focally, predominantly weak desmin expression. The tumour is negative for CA-125, MCK, S100 protein, MNF116, CK7 and CK20. The proliferation fraction by MIB1 is low- moderate.

The features are consistent with gastrointestinal stromal tumour, which appears to show predominantly epithelioid (although more focally spindled) morphology. The tumour is described to measure up to 110mm. The size and mitotic index indicate placement in the moderate-risk category (12%). Mutational analysis is awaited, with a further report to follow. The referring report describes that involvement of the surgical margins and the circumferential margins are 'not seen'. No lymph nodes are noted. Please also see the detailed original report for further information.

Dr Magnus Hallin/Dr Khin Thway