

# **Study Protocol**

Survival and Patterns of Care in the Era of FLOT-based Chemotherapy for

Gastric and Gastroesophageal Adenocarcinoma (SPACE-FLOT):

An international multicentre cohort study



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#### **Statement of Compliance**

This study will be conducted in compliance with all stipulation of this protocol, the conditions of the ethics committee approval, the NHMRC National Statement on ethical Conduct in Human Research (2007) and the Note for Guidance on Good Clinical Practice (CPMP/ICH-135/95).

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# Protocol Synopsis

Background and Rationale	Gastric and gastroesophageal cancers are common and carry exceedingly high mortality rates. Of those patients treated with curative intent, the majority have locally advanced disease, and require chemotherapy before and after radical surgery. Since 2017, 5-fluorouracil, leucovorin,
	oxaliplatin and paclitaxel (FLOT) based chemotherapy has become the most commonly used perioperative regimen.
	Prognostic biomarkers are disease indicators which can predict survival outcomes. These biomarkers may facilitate patient counselling, inform treatment decision-making, and reflect tumour biology. Tumour regression grade (TRG) is a histological method of assessing and classifying a tumour's response to preoperative chemotherapy. However, whether TRG
	correlates with patient survival remains controversial. This is particularly so in the era of FLOT- based chemotherapy, where there is currently a paucity of data to guide clinical practice.
	Therapeutic biomarkers predict a tumour's response to treatment, enabling the identification of patient subpopulations that are more or less likely to benefit from a specific therapy. In this way, anti-cancer therapies can be personalised to maximise efficacy and minimise harm. This is particularly important in gastric and gastroesophageal cancers, as 40% of patients do not complete postoperative chemotherapy due to treatment-related toxicities and poor performance status. To date, the role of TRG as a therapeutic biomarker for FLOT-based chemotherapy has not been evaluated.
	Based on our institutional data, 40% of resected gastric and gastroesophageal cancers demonstrate minimal or no response to preoperative FLOT-based chemotherapy. In contrast, 20% of tumours exhibit complete pathological regression. Whether these two cohort of patients derive further benefit (or harm) from postoperative FLOT-based chemotherapy requires clarification. It stands to reason that in cancers which do not respond to one specific treatment, administering more of the same in the postoperative period is potentially futile and harmful. Conversely, in patients with no residual disease, additional postoperative chemotherapy may be unnecessary, and again, potentially harmful.
	Anecdotally, a lack of evidence to guide decision-making in this area has resulted in variation in practice. This includes continuing with more FLOT-based chemotherapy, withholding additional treatments, changing therapeutic regimens, or prescribing (chemo)radiation. To date, the pattern of care in the postoperative setting for patients with complete pathological response, and those with minimal or no response to preoperative FLOT-based chemotherapy is yet to be described.

Research	In patients with gastric and gastroesophageal cancers who have undergone preoperative FLOT-			
Questions	based chemotherapy and radical surgery:			
	1. Does pathological response in the resection specimen predict patient survival?			
	2. What are the international patterns of care for patients with complete pathological			
	response (pCR) and minimal/no pathological response to preoperative chemotherapy in the			
	postoperative setting?			
	3. What are the clinicopathological predictors of tumour regression?			
	4. Does the cohort with pCR benefit from further postoperative FLOT-based chemotherapy?			
	5. Does the cohort with minimal/no response benefit from further postoperative FLOT-based			
	chemotherapy?			
Study Objectives	To audit the patterns of care and survival outcomes of patients with gastric and			
	gastroesophageal adenocarcinoma who have undergone preoperative FLOT-based			
	chemotherapy and radical surgical resection stratified by pathological response in the resected			
	specimen.			
Study Design	This study is an international (Australia, New Zealand, Singapore, Malaysia, Hong Kong, Vietnam,			
	India, England, Ireland, Sweden, The Netherlands, France, and Canada) retrospective analysis of			
	practice and outcomes between January 1 2017 to Dec 31 2022. Follow-up data collection is out			
	to Dec 31, 2022 as we need a minimum one-year survival data. Using a trainee-driven			
	collaborative research model, de-identified data from at least 1500 patients across >25 centres			
	(based on power calculations) with gastric and gastroesophageal cancers who have received			
	preoperative FLOT-based chemotherapy will be collated into a centralised database and			
	analysed.			
	Primary endpoint: Two-year disease-free survival.			
	Secondary endpoints:			
	One-year overall survival			
	Two-year overall survival			
	One-year disease-free survival.			
Eligibility Criteria	Inclusion Criteria			
	Any patient with gastric and gastroesophageal cancer			
	• Received preoperative FLOT-based chemotherapy and surgical resection between			
	01/01/2017 to 01/01/2022			
	• Age ≥18 years-of-age			
Statistical Considerations	Univariate, multivariate, Kaplan Meier and cox regression analysis will be used in this study			
Study Duration	6 years			
Study sponsor	Peter MacCallum Cancer Centre			
	305 Grattan St, Melbourne, VIC 3000, Australia			

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## 1. Background and Rationale

#### 1.1 Incidence and impact of gastric and gastroesophageal cancers

Gastric and gastroesophageal adenocarcinomas represent the seventh most prevalent malignancy world-wide.<sup>1</sup> This disease carries a disproportionally high mortality rate, evidenced by its ranking as the third most common cause of cancer-related deaths.<sup>1</sup>

### 1.2 Current treatments for curable gastric and gastroesophageal cancers

Approximately 30-40% of patients diagnosed with gastric and gastroesophageal cancers are treated with curative intent.<sup>2</sup> Of these only the minority present with early stage disease which is curable by surgery alone. The remainder of patients have locally advanced disease at diagnosis, and are typically treated with multimodality therapy. In this context, the management algorithms for locally advanced gastric/gastroesophageal cancers differ considerably between Eastern and Western countries.<sup>3, 4</sup> In the East, surgery is typically performed upfront, followed by chemotherapy or chemoradiotherapy. Of note, these chemotherapeutic regimens commonly contain tegafur/gimeracil/oteracil (S-1), which is poorly metabolised and toxic amongst the Caucasian population. Therefore, S-1 containing regimens are not routinely used in the West. By comparison, the standard-of-care across many Australian and European centres is perioperative chemotherapy. Traditionally, as per the MAGIC protocol, this consisted of three cycles of epirubicin, cisplatin and 5-fluorouracil (ECF) or capecitabine (ECX) pre- and post-surgical resection.<sup>5</sup> More recently, these regimens have been superseded by the combination of 5-fluorouracil, leucovorin, oxaliplatin and paclitaxel (FLOT) based on superior oncological outcomes over ECF and ECX.<sup>6</sup>

## 1.3 Prognostic biomarkers for gastric and gastroesophageal cancers

Prognostic biomarkers are clinical and molecular indicators of disease which can predict survival outcomes.<sup>7</sup> In general, these biomarkers facilitate patient counselling, inform decision-making around treatment intent, reflect tumour biology, and potentially shed light into the underlying drivers of carcinogenesis. In gastric and gastroesophageal cancers, the most commonly used prognostic biomarker is tumour staging. This is based on the American Joint Committee on Cancer (AJCC) T, N and M classification.<sup>8</sup> Other validated prognostic biomarkers include patient age, tumour grade, histological resection margin, lymphovascular invasion, perineural infiltration, mismatch repair status, *her*2 overexpression, *TP53* gene mutations and perioperative surgical complications. In population-based studies, these factors have been repeatedly correlated to disease-free (DFS) and overall survival (OS).<sup>9</sup>

### 1.4 Tumour regression grade as a prognostic biomarker

TRG is a histological method of assessing and classifying a tumour's response to treatment.<sup>10</sup> In practice, this assessment is usually undertaken in resection specimens following neoadjuvant chemotherapy or chemoradiotherapy, and is routinely included (for most centres) within the pathology synoptic report. Intuitively, TRG should provide important insights, albeit at one point in time, into tumour biology particularly with regards to the efficacy of anti-cancer treatments. However, whether TRG correlates with DFS and OS in patients with gastroesophageal cancers remains controversial.<sup>11</sup> Table 1.1 highlights key studies which support TRG as a predictor of disease survival, whilst Table 1.2

summarises studies that refute this finding. Multiple reasons may contribute to these differences and limit the clinical applicability of these studies. Firstly, different laboratories apply variable criteria (e.g., Mandard, Becker, AJCC, JES etc) for grading tumour regression. Secondly, there may be inter-observer variability in the classification of TRG. Thirdly, not all scoring systems are designed to evaluate response after chemotherapy. Fourthly, there are geographical variations in the pattern of care for patients with gastroesophageal cancer, which hinders the extrapolation and merging of datasets. Finally, and of particular relevance to our study, the published reports to date are based on chemotherapeutic regimens that are no longer standard-of-care in Western countries. In order to overcome some of these limitations, an internationally agreed method of reporting TRG was established following a consensus Delphi survey (Table 1.3).<sup>12</sup>

Author, Year	Study type	Key findings	Limitations
Li et al, 2018 <sup>13</sup>	Meta-analysis, 7 trials	pCR after neoadj CTx in gastric and GOJ ca	- Pre-FLOT
	N=1143	is a/w higher OS and DFS. pCR 6.7%	- Not periop CTx
	Period: 1988 – 2015		
Tomasello et al, 2017 <sup>14</sup>	Meta-analysis, 17 studies,	pCR after neoadj CTx in GOJ ca is a/w	- Pre-FLOT
	N=3145	higher OS and DFS a/w poor TRG	- Not periop CTx
	Period: pre 06/2016		
Hayashi et al, 2020 15	Meta-analysis, 14 studies,	TRG post neoadj CTx is predictive of OS	- Pre-FLOT
	N=1660		- Mixed CTx regimens
	Period: 2011-2015		
Ajani et al, 2005 <sup>8</sup>	Trial, GOJ and gastric AC	pCR after taxane based CRTx correlated	- Pre-FLOT
	N=41	with OS	- Not periop CTx
	Period: pre 2005	pCR: 20%	- Uses RTx
			- Low power
Xu et al, 2019 <sup>16</sup>	Retrospective	Gastric and GOJ ca	- Pre-FLOT
	N=264	SOX, XELOX	- Not periop CTx
	Period: 2012-2017	TRG correlated with OS	- Uses S1
Stark et al 2019 <sup>17</sup>	Retrospective	Gastric ca	- Uses RTx
	N=77	Uses neoadj CRTx	- Low power
		Residual ypN1 correlated with worse OS	
McNamara et al 2016 <sup>18</sup>	Retrospective	Gastric ca	- Pre-FLOT
	N=60	Uses ECF or ECX + adj CRTx	- Low power
	Period: 2008-2012	Residual disease predicts OS	
Lombardi et al, 2021 <sup>19</sup>	Retrospective, single centre	TRG post neoadj CTx, is predictive of DFS	- Low power
	N=100	and DSS	<ul> <li>No analysis on OS</li> </ul>
	Period: pre 2021		
Tong et al, 2021 <sup>20</sup>	Retrospective, single centre	Gastric ca, neoadj SOX	- Low power
	N=290	TRG, Mandard and Becker, independently	
		predicts OS	
Derieux et al, 2020 <sup>21</sup>	Retrospective, 2 centres	Gastric ca, neoadj CTx	- Pre-FLOT
	N=109	TRG, Mandard independently predicts DFS	- Low power
	Period: 1997-2016	and OS	
Achilli et al, 2017 <sup>22</sup>	Retrospective, 2 centres	Gastric ca, neoadj ECF or ECX. TRG Becker,	- Pre-FLOT
	N=67	independently predict OS, DFS	- Low power
	Period: 2009-2015		
Bausys et al, 2021 <sup>23</sup>	Retrospective, single centre	LN response to preop CTx a/w increase OS	- Single centre
	N=87		- Small numbers
Pereira et al 2020 <sup>24</sup>	Retrospective, single centre	Gastric cancer, neoadj	- single centre
	N=62	Lymph node regression correlate with DFS	- Small numbers
	Period: 2009-2018	and OS	- Pre-FLOT

Table 1 1 Studies demonstrating	that TRG /Sr	aradictiva of	nationt survival
Idule 1.1. Studies demonstrating	, uiat i KG <i>i</i> S p	predictive of	patient survival

AC = adenocarcinoma, a/w = associated with, ca = cancer, CTx = chemotherapy, CRTx = chemoradiotherapy, DSS = disease specific survival, GOJ = gastroesophageal junction, LN = lymph node, neoadj = neoadjuvant, pCR = pathologic complete response, periop = perioperative, SOX = S1 plus oxaliplatin, XELOX = capecitabine plus oxaliplatin

Author, Year	Study type	Key findings	Limitations
Petrelli et al, 2017 <sup>25</sup>	Meta-analysis, 22 neoadj trials	pCR after CRTx or CTx did not correlate	- Pre-FLOT
	for GOJ ca	with OS or DFS	- Both CRTx and CTx
	N=4749	r2 for DFS = 0.27, pCR=0.17	
	Period: pre 2017		
Ikoma et al 2020 <sup>26</sup>	Retrospective, N=356	CRTx, or CTx in gastric ca	- Both CRTx and CTx
	Period <2020	TRG not a/w OS	
Tong et al 2020 <sup>27</sup>	Retrospective, single centre	Gastric ca, neoadj SOX	- Uses S1
	N=290	TRG does not independently predict OS or	- Single centre
		DFS	
Pereira et al 2020 <sup>24</sup>	Retrospective, single centre	Gastric ca, neoadj	- Single centre
	N=62	Primary tumour resp does not correlate	- Pre-FLOT
	Period: 2009-2018	with DFS	
Zhu et al, 2017 28	Retrospective, single centre	Gastric ca, neoadj, comparison of 5 TRG.	- Single centre
	N=192	TRG does not independently predict OS or	- Pre-FLOT
	Period: pre 2017	DFS. Mandard is most reliable	

Table 1.2. Studies demonstrating that TRG IS NOT predictive of patient survival

a/w = associated with, ca = cancer, CTx = chemotherapy, CRTx = chemoradiotherapy, GOJ = gastroesophageal junction, Neoadj = neoadjuvant, pCR = pathologic complete response, r2 = correlation coefficient, SOX = S1 plus oxaliplatin

Table 1.3. TRG: international consensus for GOJ and oesophageal adenocarcinoma based on Delphi consensus survey <sup>12</sup>

Primary tumour		Lymph nodes		
Grade	Description	Grade	Description	
1	No residual tumor (complete tumor regression)	А	no residual tumor (complete tumor regression)	
2	<10% residual tumor (near-complete regression)	В	partial regression (tumor cells and regression)	
3	10%-50% residual tumor (partial regression)	С	no regression (no sign of tumor response).	
4	>50% residual tumor (minimal/no regression)			

### 1.5 Tumour regression grade as a therapeutic biomarker

Therapeutic biomarkers predict a tumour's response to treatment, enabling the identification of patient subpopulations that are likely to benefit or not benefit from a specific therapy.<sup>7</sup> In this way, anti-cancer therapies can be personalised to maximise efficacy and minimise harm. This is particularly important in gastric and gastroesophageal cancers, as 30-40% of patients do not complete adjuvant chemotherapy due to treatment-related toxicities.<sup>5, 6</sup> Additionally, 40% of patients in the FLOT4 trial did not receive any adjuvant chemotherapy due to poor performance status following surgical resection.<sup>6</sup> Although chemotherapy in general lacks companion biomarkers, recent studies using 18F-FDG PET and analysis of tumoral mismatch repair protein expression have provided proof-of-concept that chemotherapy in gastric and gastroesophageal cancers can be tailored to the individual patient.<sup>29-31</sup>

To date, the role of TRG as a therapeutic biomarker for FLOT-based chemotherapy has not been evaluated. Based on our institutional data, 40% of resected gastric and gastroesophageal cancers demonstrate minimal or no response to preoperative FLOT-based chemotherapy. In contrast, 20% of tumours exhibit complete pathological regression. A conundrum that is often faced by many clinicians is whether these two cohorts of patients derive any further benefit from adjuvant FLOT-based chemotherapy. It stands to reason that in cancers which do not respond to one specific treatment, administering more of the same in the adjuvant period is potentially futile and harmful. Conversely, in patients with no residual disease, additional postoperative chemotherapy may be unnecessary. As proof-of-concept, in locally advanced rectal cancers and early-stage breast cancers where a pathologic complete response (pCR) post neoadjuvant therapy has been achieved, further adjuvant chemotherapy is often not prescribed. Anecdotally, a lack of evidence to guide decision-making has resulted in variations in practice. In patients with minimal response to neoadjuvant therapy, variations in practice may include completing FLOT-based chemotherapy, withholding additional

treatments, changing therapeutic regimens, or prescribing chemoradiation. To date, the pattern of care in the adjuvant setting for patients with complete pathological response, and those with minimal or no response to preoperative FLOT-based chemotherapy is yet to be described.

## 2. Study Aims

To audit the patterns of care and survival outcomes of patients with gastric and gastroesophageal adenocarcinoma who have undergone preoperative FLOT-based chemotherapy and radical surgical resection stratified by pathological response in the resected specimen.

## 3. Research questions

This study will address the following questions to inform clinical practice. In patients with gastric and gastroesophageal cancers who have undergone preoperative FLOT-based chemotherapy and radical surgery:

- 1. Does pathological response in the resection specimen predict patient survival?
- 2. What are the international patterns of care for patients with pathologic complete response (pCR) and minimal/no pathological response to preoperative chemotherapy in the postoperative setting?
- 3. What are the clinicopathological predictors of tumour regression?
- 4. Does the cohort with pCR benefit from further postoperative FLOT-based chemotherapy?
- 5. Does the cohort with minimal/no response benefit from further postoperative FLOT-based chemotherapy?

# 4. Study Hypotheses

For patients with gastric and gastroesophageal adenocarcinomas who have undergone preoperative FLOT-based chemotherapy and radical surgical resection:

- 1. Pathological response in the resected specimen does predict patient survival
- 2. There <u>are</u> significant geographical variations in the use of adjuvant therapies for patients with 1) complete pathological response (pCR) and 2) minimal/no pathological response to preoperative FLOT-based chemotherapy
- 3. There are clinicopathological predictors of histologically determined tumour regression
- 4. In patients with pCR, postoperative FLOT-based chemotherapy <u>will</u> confer a survival advantage compared with those who do not proceed to any adjuvant therapies
- 5. In patients with minimal/no pathological response, postoperative FLOT-based chemotherapy <u>will not</u> confer a survival advantage compared with those who do not proceed to any adjuvant therapies

## 5. Study design

### 5.1 Summary

This is an international multi-centre non-interventional retrospective audit of practice and outcomes over the study period of January 1 2017 to December 31 2022. We aim to collect data for at least 1500 consecutive patients from all participating sites, including patients treated in routine clinical practice and/or clinical trials. Clinical data will be deidentified and entered into a REDCap database. Data linkage and analysis will be performed through REDCap and other statistical software.

Data collected will include (See appendix Table 16.1):

- Patient demographics, co-morbidities and characteristics
- Treatment history including pre-operative, operative, and post-operative interventions
- Post-operative complications within 30 days post-surgery
- Clinicopathological and molecular features of disease
- Disease outcomes and survival
- Follow-up data until 2 years post-surgery

The data will be stored on a secure server at Peter MacCallum Cancer Centre. Analyses will provide information relating to factors that include decision making, patterns of care, and survival outcomes in the routine clinical management of patients with gastric and gastroesophageal cancer.

## 5.2 Source of patients and clinical data

Patients from each participating site who fulfil study inclusion criteria (see 5.4 below) will be de-identified and entered into the REDCap database. Data will be sourced from patient case notes and/or in-house prospective registries from individual sites. This study will not collect any new or additional patient data that is not already recorded as part of routine clinical care.

## 5.3 Identification of patients and clinical data

Identification of patients and data collection will be performed by health professionals that are part of the clinical team who provide care for patients. Investigators external to the clinical team who provide routine care will not be involved in the identification of patients or data collection process.

### 5.4 Inclusion criteria

Patients must meet the following criteria to be eligible for inclusion in this protocol:

- Any patient with gastric and gastroesophageal cancer
- Received preoperative FLOT-based chemotherapy and surgical resection between 01/01/2017 to 31/12/2021
- Age ≥18 years-of-age

### 5.5 Exclusion criteria

Patients will be excluded from this study if they meet any of the following criteria

- Received further neoadjuvant therapy in addition to FLOT chemotherapy
- Stage 4 disease at diagnosis
- Death within 30 days post resection

### 5.6 Outcome measures

Primary outcome: Two-year disease-free survival (DFS)

#### Secondary outcomes:

- Two-year overall survival (OS)
- One-year DFS
- One-year OS

Disease free survival: Time from histological diagnosis until disease progression (identified clinically, biochemically, and/or radiologically) or death

Overall survival: Time from diagnosis of gastric or gastroesophageal cancer until death from any cause. Participants still alive or lost to follow-up at time of data collection will be censored

### 5.7 Project duration

Data will be collected from January 1st 2017 to December 31st 2022 (Of all patients who completed surgery by December 31 2021. Data collection to December 31<sup>st</sup> 2022 as we need at least 1-year survival data)

### 5.8 Standardization of tumour regression grading between study sites

To enable merging of datasets, each participating centre will need to standardise their TRG reporting to the international consensus classification described in Table 3. It is the responsibility of each site PI to complete the pre-data collection TRG survey to allow TRG calibration. Each centre's TRG will then be adjusted accordingly at the time of data entry.

## 5.9 Statistical considerations

Univariate, multivariate, Kaplan Meier and cox regression analysis will be used in this study. This study is powered to address the 5<sup>th</sup> hypothesis. Based on the FLOT4 trial, 40% of patients did not receive adjuvant FLOT and the two-year DFS was 55%. Adjuvant chemotherapy is estimated to confer a DFS benefit of 15% at two years (i.e., two-year DFS of 40%, based on the adjuvant chemotherapy with surgery versus surgery alone studies in gastric and gastroesophageal cancers including CLASSIC and MAGIC).<sup>5, 32</sup> This equates to a hazard ratio of approximately 0.73. Based on this, we will deem 15% as a clinically significant difference in DFS. Therefore, to detect a DFS difference of 15% with 80% power at an alpha level of 0.05, assuming an enrolment ratio of 1 to 0.3 (using a conservative real-world estimate of 30% of patients not receiving adjuvant FLOT), the predicted sample size will be FLOT/surgery/FLOT group: 473 patients, and FLOT/surgery/no adjuvant FLOT group: 157 patients. In total, the number of patents required with minimal/no TRG in

the resection specimen = 473 + 157 = 630. Based on local data, 40% of all resected gastric and gastroesophageal cancer show minimal/no TRG, the overall total number of patients required for this study: 630/0.4 = 1575 patients.

## 6. Project Management

#### 6.1 Coordinating centres

Peter MacCallum Cancer Centre, Austin Hospital, Box Hill Hospital and the Flinders Medical Centre will jointly manage this project to oversee key aspects including defining the dataset, database management, and generating research output.

### 6.1.1 Peter MacCallum Cancer Centre

The Peter MacCallum Cancer Centre (PMCC) at the Victorian Comprehensive Cancer Centre is home to the largest research group in Australia. PMCC provides quality treatment and multidisciplinary care for cancer patients, and the proximity and strong collaborative links of clinicians and scientists provides unique opportunities for medical advances. Consequently, PMCC is dedicated to clinically orientated questions resulting in more effective and individualized patient care.

### 6.1.2 Austin Hospital

The Austin Hospital is the largest tertiary referral centre in Victoria, Australia. It is also home to one of the largest Upper Gastrointestinal Surgery Units in the state. The Austin Hospital is dedicated to improving health outcomes through discovery, translation and education. It also founded the first and largest General Surgery Trainee-led research collaborative network in Australia.

#### 6.1.3 Flinders Medical Centre

The Flinders Medical Centre is a tertiary referral centre in Adelaide, South Australia. It delivers the state's largest Upper Gastrointestinal Cancer service, and co-convenes the South Australian State-wide multidisciplinary cancer team meetings. Flinders Medical Centre is dedicated to excellence in patient care, teaching, research, and innovation.

## 6.1.4 Box Hill Hospital

The Box Hill Hospital, Eastern Health is a tertiary referral centre in Victoria, Australia. It delivers a comprehensive Upper Gastrointestinal Cancer service, and actively participates in national and international clinical trials. Eastern Health is dedicated to excellence in patient care, teaching, research and innovation.

### 6.2 Data collection

This project will involve the formation of mini-teams of 1 - 4 collaborators/data collectors. These teams will retrospectively collect data over the proposed study duration. To ensure data is collected on all consecutive eligible patients these teams will review internal unit registries, hospital administrative databases, and theatre lists. Mini-teams

should be supervised by up to two consultants, fellows or registrars at each site. Data will be collected through patient information systems, including internal unit registries and accessing patient charts (written and electronic e.g. anaesthetic, pre-admission, operative, inpatient and oncology notes, as well as pathology reports, discharge summaries, and outpatient letters). Please refer to appendix (Table 16.1) for data dictionary and proposed sources of data.

#### 6.3 REDCap database

All relevant data will be input into a REDCap database in a de-identified manner. The REDCap database will be held for the time period required by institutional protocol and/or local governance approvals, and subsequently destroyed. The custodian to this database will be Prof Alexander Heriot, Executive Director, Division of Cancer Surgery Peter MacCallum Cancer Centre. The REDCap application and data repository will be hosted in the Peter MacCallum Cancer Centre data centre and governed by Peter MacCallum Cancer Centre information technology and security processes. This includes appropriate best practices such as network firewalls, system and security monitoring and two-factor authentication. REDCap access privileges will be managed and maintained by the project management group alongside Peter MacCallum Cancer Centre REDCap managers to ensure that users can only access data relevant to their site. That is, each site user will only have access to their own site's data. REDCap also implements authentication to validate the identity of users that log in to the system. REDCap maintains an audit trail that logs user activity, including contextual information (e.g. the project or record being edited). Activities such as entering data, exporting data, modifying a field, running a report, or add/modifying a user, among a plethora of other activities are logged by REDCap. The logging record can be viewed by users who have appropriate privileges.

Principle investigators from each site will keep a master list linking REDCap unique study ID to patient identifiers to enable re-identification should this situation arise. Only de-identified data will be entered into the REDCap database. The master list will be retained on a password protected computer and have restricted access to only staff directly involved with the project as determined by data access groups at each site. The master list will be destroyed once the project is closed. No identifiable information from the master list will leave each site unless otherwise specified in an agreement or approved protocol. Data will be stored for at >7 years after the completion of research activity.

### 6.4 Quality assurance

Following data collection, only data sets with >90% data completeness will be accepted for pooled analysis. To emphasise the importance of data completeness to collaborators, patients with >10% missing data points will be excluded from the study. A snapshot audit provided through REDCap analysis tools has been widely validated across multiple datasets internationally demonstrating high levels of case ascertainment (typically 90 to 95%) and data accuracy (96 to 98%)<sup>33-37</sup>. The study group will reserve the right to randomly select 5% of records for ascertainment. This will be done by a collaborator at centres who were not involved in initial data collection.

### 6.5 Consent

As per NHMRC guidelines, *National Statement on Ethical Conduct in Human Research (2007) Updated 2018*, section 2.3.10, our study meets the following criteria for waiver of requirement for consent

A, this retrospective audit poses low risk to participants.

B, as the data collected is not above that of routine clinical care, the benefit of our project justifies the 'potential' risk of harm associated with not seeking consent.

C, it will be impractical to obtain consent due to quantity of patients, and that some of them may have died during or prior to the study period.

D, there is no known or likely reason that participants would not have consented if they had been asked.

E, we have sufficient protection of patient privacy in place.

F, we have an adequate plan to protect the confidentiality of data.

G, we would not expect that results of this study will influence management of the participants on study.

H, there will be low possibility of commercial exploitation from this study.

I, the waiver of consent is not prohibited by state, federal or international law.

### 6.6 Data management and security

The following steps will be undertaken to ensure data security

- All data will be de-identified prior to entry into REDCap database.
- Patient identifiers will be replaced with a unique study number. The master list of names and matching codes will be retained on a password protected computer located at each individual site. Only staff directly involved with the project will have access to this master list.
- The master list will be destroyed once the project is closed (or when approvals have expired).
- No identifiable information from the master list will leave each site unless otherwise specified in an agreement or approved protocol.
- The REDCap database will be hosted in the Peter MacCallum Cancer Centre data repository and governed by the hospital's information technology and security processes. This includes appropriate best practices such as network firewalls, system and security monitoring and two-factor authentication.
- REDCap access privileges will be managed and maintained by the project management group alongside Peter MacCallum Cancer Centre's REDCap managers to ensure that users can only access data relevant to their site.
- REDCap implements authentication to validate the identity of users that log in to the system.
- REDCap maintains an audit trail that logs user activity. The logging record can be viewed by users who have appropriate privileges.
- Data will be stored for at least 7 years after the completion of research activity.

### 6.7 Privacy issues

The following steps will be undertaken to maintain the confidentiality of patients and their clinical data

- All data generated from this study will remain confidential and no published work will contain patient identifiers.
- All data will be de-identified before entry into REDCap database. Patient identifiers will be replaced with a unique study number. The master list of names and matching codes will be stored on a password protected computer located at individual sites with access to them only by study personnel in that site.
- Data collectors can only view the data that they have entered from their own site.

- Site principal investigators can view the data only from their own site.
- The project management group including the chief investigator, database manager, and statistician will have access to the entire database for database monitoring and analytical purposes.
- The data will only be available for data management, audit, or monitoring personnel involved with the study.
- All the study data will be entered into a secure REDCap database protected by network firewall requiring two-factor authentication.
- REDCap access will be password protected, traceable through logging, and limited to critical study personnel only.
- Any publication or presentation that arise from this project will be presented as general cohort information with numbers and statistics. No individual data will be published or shared to ensure that identification of individual patients is not possible.
- All study-related personnel are bound by professional standards of patient information confidentiality and will work to protect patient confidentiality at all times.

### 6.8 Record keeping procedures, including storage of data, access and destruction

- Data will be entered into a REDCap database. This database will be hosted in the Peter MacCallum Cancer Centre data repository and governed by the hospital's information technology and security processes. This includes appropriate best practices such as network firewalls, system and security monitoring and a two-factor authentication.
- REDCap access privileges will be managed and maintained by the project management group alongside Peter MacCallum Cancer Centre's REDCap managers to ensure that users can only access data relevant to their site.
- Data collectors will have access to the data their have entered from their own site.
- Site principal investigators will have access to the data only from their own site.
- The project management group including the chief investigator, database manager, and statistician will have access to the entire database for database monitoring and analytical purposes.
- All data will be de-identified before entry into REDCap database. Patient identifiers will be replaced with a unique study number. The master list of names and matching codes will be stored on a password protected computer located at individual sites with access to them only by study personnel in that site.
- Data will be stored for at least 7 years after the completion of research activity.

# 7. Additional sub-studies

It is likely that through the course of the project, additional research questions may arise that require additional data to be collected via chart review, either for all of the patients or for a specific subset. Such a scenario will involve the collection of data over and above that specifically detailed in this proposal. If clinicians desire to collect additional data, funding and ethical approval for this must be obtained separately. The collection, analysis and reporting of any additional data beyond that specifically detailed in this proposal will only occur with agreement of all individual site Principal Investigators, and only with ethical approval.

## 8. Ethical considerations

The study will be conducted according to the NHMRC National Statement on Ethical Conduct in Human Research (2007 and updates) and the World Medical Association Declaration of Helsinki (2013 and updates).

# 9. Investigators' responsibilities

#### • Steering committee and writing group:

A core group of doctors & statistician who have overall responsibility for:

- o Overall scientific content and integrity
- Project oversight and support
- o Protocol design
- o Formation of and liaison with the project management group
- o Study site identification and selection
- Data analysis
- Results interpretation
- Preparation of research manuscripts
- o Journal submission and correspondence

#### • Project management group:

A core group of doctors, nurses, and research personnel who have overall responsibility for:

- o Ethics and governance application
- Web-based design
- o REDCap database design, monitoring and management
- Project co-ordination including liaison with hospital leads
- o Data handling
- o Dissemination of SPACE-FLOT documents and results
- Reporting to the steering committee

#### Hospital leads/Principal Investigators:

A lead point of contact at each site (1-3 people, at least one must be a consultant) who has overall responsibility for:

- Providing site-specific oversight and support
- Site governance registration
- $\circ$  Facilitating standardisation of tumour regression grading with their own pathology department
- o Identification of eligible patients
- o Appointing, registering and supporting data collectors
- Ensuring data integrity from that site
- o Local dissemination of SPACE-FLOT documents and results
- Contributing to results interpretation
- Reporting to the project management group

#### • Local collaborators/data collectors:

A mini-team of 1-5 people who have the overall responsibility for:

- Reviewing and understanding study objectives and methodologies
- Performing site-specific chart review
- $\circ$   $\,$  Data extraction as per REDCap for ~ 20-60 patients each
- Integrity of data collected
- o Being available to assist with data cleaning, corrections and data review
- Reporting to site principal investigator(s)

Please note that, mini-team size and the total number of collaborators required at each site will be at the discretion of the hospital lead according to the caseload of each hospital. Minimum requirements for authorship for local collaborators on SPACE-FLOT output include:

- Compliance with local audit approval processes and data governance policies.
- Active involvement in data collection that meets the criteria for inclusion within the SPACE-FLOT dataset.
- Collaboration with the hospital lead to ensure that data are reported back to the project management group

## 10. Criteria for centre inclusion within SPACE-FLOT

- Obtain all appropriate local governance approvals for the conduct of the SPACE-FLOT audit.
- Successful completion of data collection for eligible patients meeting inclusion criteria
- >90% data completeness and >90% data accuracy has been achieved.
- All data for the period has been uploaded within the specified deadlines.

Please note if these criteria are not met, then the contributing mini-team and/or the centre may be removed from the dataset and authorship list (please contact the project management group as soon as potential issues arise so that we can support as many centres to be included as possible).

# 11. Authorship for publications and presentations

In accordance with Research Collaborative authorship guidelines,<sup>38</sup> all research outputs from SPACE-FLOT will be listed under a single corporate authorship (SPACE-FLOT Collaborative). All collaborators will be listed as PubMed-citable collaborators within the SPACE-FLOT Collaborative in accordance with the roles and responsibilities defined above in section 9 (so long as the minimum requirements for authorship are met).

#### Corporate model:

Due to the increasing recognition of collaborative research and the large number of investigators contributing to such research, many journals have adopted a corporate authorship model. An example of this is:

<u>Elective surgery cancellations due to the COVID-19 pandemic: global predictive modelling to inform surgical</u> <u>recovery plans.</u>

COVIDSurg Collaborative.Br J Surg. 2020 May 12:10.1002/bjs.11746. doi: 10.1002/bjs.11746.

All investigators will be listed as collaborators and citable on PubMed. A supplementary file will detail the role and contribution of each investigator. The chief investigator will be the corresponding author. Specific to us, the format will be as follows: [Article title]. [SPACE-FLOT collaborative]. [Journal name]. [Year]. [Volume]. [Issue]. [Pages]. [DOI] Academic citations and CV references will follow the following formatting: [Name]. [Role e.g. collaborator]. [SPACE-FLOT collaborative]. [Volume]. [Issue]. [Article title]. [Journal name]. [Year]. [Volume]. [Issue]. [DOI]

## 12. Exclusion from Study

This is a multi-centre study that is dependent on the input of multiple investigators in a timely fashion. We recognise that investigators participating in this study, being clinicians of varying levels of seniority, have a number of competing commitments that may affect their capacity to complete their data collection. If the investigator is unable to fully complete their task, but has completed the majority of the allocated responsibilities and has identified a replacement to complete any remaining data collection, we would expect that the investigator is credited appropriately for their work. If an investigator has not fulfilled the above criteria and is unable to complete the required duties in the time allocated, that investigator may be excluded from the study and further publications at the discretion of the steering committee. If removed from the study, investigator is responsible for returning all collected data to the committee and to securely destroy any remaining data.

## 13. Modes of communication

Clear lines of communication between all investigators is highly encouraged. The steering committee, project management group and hospital leads will meet on a regular basis, either in person or via video conferencing to discuss progress, expected and un-expected issues. Minutes will be kept and distributed amongst committee members and hospital leads. Formal communication should occur via secure email without any identifying confidential information, especially when research documents are sent to each other. An official webpage, Google account, email address and cloud drive will be set up for correspondence and sharing of non-clinical, research related documents. A monthly newsletter will also be circulated to all investigators.

# 14. Project timeline

Time period	Activity
Feb 2021 – Apr 2021	Formation of principle investigators
	Study proposal: conceptualisation, design, assessment of feasibility, identification of
	potential collaborative institutions
Apr 2021 – May 2021	Application for research funding
May 2021 – Nov 2021	Confirmation of collaborative institutions
	Multicentre ethics and governance application, review and revision
Nov 2021 – Feb 2022	Appointment of personnel infrastructure including:
	- Website designer and manager
	- Database designer and manager
	- Statistician
	- Research coordinator
Feb 2022 – Apr 2022	Standardisation of research instruments (e.g., tumour regression grading) across all
	participating sites
Apr 2022 – Jun 2022	Pilot of data collection across nominated two to three pilot sites
	Troubleshooting and amendment of data collection tools and databases
Jun 2022 – Feb 2023	Data collection across all participating sites
Feb 2023 – Jun 2023	Data review and cleaning
	Further data collection anticipated
Jun 2023 – Sep 2023	Data review, analysis, and interpretation
Sep 2023 – Feb 2024	Presentation of results
	Drafting, submission and reviews of manuscripts

## 15. References

- Collaborators GBDSC. The global, regional, and national burden of stomach cancer in 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease study 2017. *Lancet Gastroenterol Hepatol* 2020; 5(1):42-54.
- 2. Rawla P, Barsouk A. Epidemiology of gastric cancer: global trends, risk factors and prevention. *Prz Gastroenterol* 2019; 14(1):26-38.
- 3. Russo A, Li P, Strong VE. Differences in the multimodal treatment of gastric cancer: East versus west. *J Surg* Oncol 2017; 115(5):603-614.
- 4. Kodera Y. Surgery for gastric cancer: has the East versus West issue been solved? *Dig Surg* 2013; 30(2):92-5.
- 5. Cunningham D, Allum WH, Stenning SP, et al. Perioperative chemotherapy versus surgery alone for resectable gastroesophageal cancer. *N Engl J Med* 2006; 355(1):11-20.
- 6. Al-Batran SE, Homann N, Pauligk C, et al. Perioperative chemotherapy with fluorouracil plus leucovorin, oxaliplatin, and docetaxel versus fluorouracil or capecitabine plus cisplatin and epirubicin for locally advanced, resectable gastric or gastro-oesophageal junction adenocarcinoma (FLOT4): a randomised, phase 2/3 trial. *Lancet* 2019; 393(10184):1948-1957.
- Carlomagno N, Incollingo P, Tammaro V, et al. Diagnostic, Predictive, Prognostic, and Therapeutic Molecular
   Biomarkers in Third Millennium: A Breakthrough in Gastric Cancer. *Biomed Res Int* 2017; 2017;7869802.
- Ajani JA, Mansfield PF, Crane CH, et al. Paclitaxel-based chemoradiotherapy in localized gastric carcinoma: degree of pathologic response and not clinical parameters dictated patient outcome. J Clin Oncol 2005; 23(6):1237-44.
- 9. Saunders JH, Yanni F, Dorrington MS, et al. Impact of postoperative complications on disease recurrence and long-term survival following oesophagogastric cancer resection. *Br J Surg* 2020; 107(1):103-112.
- 10. Tsekrekos A, Detlefsen S, Riddell R, et al. Histopathologic tumor regression grading in patients with gastric carcinoma submitted to neoadjuvant treatment: results of a Delphi survey. *Hum Pathol* 2019; 84:26-34.
- 11. Neves Filho EH, de Sant'Ana RO, Nunes LV, et al. Histopathological regression of gastric adenocarcinoma after neoadjuvant therapy: a critical review. *APMIS* 2017; 125(2):79-84.
- 12. Saliba G, Detlefsen S, Carneiro F, et al. Tumor regression grading after neoadjuvant treatment of esophageal and gastroesophageal junction adenocarcinoma: results of an international Delphi consensus survey. *Hum Pathol* 2021; 108:60-67.
- 13. Li Z, Shan F, Wang Y, et al. Correlation of pathological complete response with survival after neoadjuvant chemotherapy in gastric or gastroesophageal junction cancer treated with radical surgery: A meta-analysis. *PLoS One* 2018; 13(1):e0189294.
- 14. Tomasello G, Petrelli F, Ghidini M, et al. Tumor regression grade and survival after neoadjuvant treatment in gastro-esophageal cancer: A meta-analysis of 17 published studies. *Eur J Surg Oncol* 2017; 43(9):1607-1616.
- 15. Hayashi M, Fujita T, Matsushita H. Prognostic value of tumor regression grade following the administration of neoadjuvant chemotherapy as treatment for gastric/gastroesophageal adenocarcinoma: A meta-analysis of 14 published studies. *Eur J Surg Oncol* 2020.

- 16. Xu X, Zheng G, Zhang T, et al. Is pathologic tumor regression grade after neo-adjuvant chemotherapy a promising prognostic indicator for patients with locally advanced gastric cancer? A cohort study evaluating tumor regression response. *Cancer Chemother Pharmacol* 2019; 84(3):635-646.
- 17. Stark AP, Ikoma N, Chiang YJ, et al. Characteristics and Survival of Gastric Cancer Patients with Pathologic Complete Response to Preoperative Therapy. *Ann Surg Oncol* 2019; 26(11):3602-3610.
- 18. McNamara MJ, Rybicki LA, Sohal D, et al. The relationship between pathologic nodal disease and residual tumor viability after induction chemotherapy in patients with locally advanced esophageal adenocarcinoma receiving a tri-modality regimen. *J Gastrointest Oncol* 2016; 7(2):196-205.
- 19. Lombardi PM, Mazzola M, Achilli P, et al. Prognostic value of pathological tumor regression grade in locally advanced gastric cancer: New perspectives from a single-center experience. *J Surg Oncol* 2021; 123(4):923-931.
- 20. Tong Y, Zhu Y, Zhao Y, et al. Evaluation and Comparison of Predictive Value of Tumor Regression Grades according to Mandard and Becker in Locally Advanced Gastric Adenocarcinoma. *Cancer Res Treat* 2021; 53(1):112-122.
- 21. Derieux S, Svrcek M, Manela S, et al. Evaluation of the prognostic impact of pathologic response to preoperative chemotherapy using Mandard's Tumor Regression Grade (TRG) in gastric adenocarcinoma. *Dig Liver Dis* 2020; 52(1):107-114.
- 22. Achilli P, De Martini P, Ceresoli M, et al. Tumor response evaluation after neoadjuvant chemotherapy in locally advanced gastric adenocarcinoma: a prospective, multi-center cohort study. *J Gastrointest Oncol* 2017; 8(6):1018-1025.
- 23. Bausys A, Senina V, Luksta M, et al. Histologic Lymph Nodes Regression after Preoperative Chemotherapy as Prognostic Factor in Non-metastatic Advanced Gastric Adenocarcinoma. *J Cancer* 2021; 12(6):1669-1677.
- 24. Pereira MA, Ramos M, Dias AR, et al. Lymph node regression after neoadjuvant chemotherapy: A predictor of survival in gastric cancer. *J Surg Oncol* 2020; 121(5):795-803.
- 25. Petrelli F, Tomasello G, Barni S. Surrogate end-points for overall survival in 22 neoadjuvant trials of gastrooesophageal cancers. *Eur J Cancer* 2017; 76:8-16.
- 26. Ikoma N, Estrella JS, Blum Murphy M, et al. Tumor Regression Grade in Gastric Cancer After Preoperative Therapy. *J Gastrointest Surg* 2020.
- 27. Tong Y, Zhu Y, Zhao Y, et al. Tumor Regression Grade Predicts Survival in Locally Advanced Gastric Adenocarcinoma Patients with Lymph Node Metastasis. *Gastroenterol Res Pract* 2020; 2020:3435673.
- 28. Zhu Y, Sun Y, Hu S, et al. Comparison of five tumor regression grading systems for gastric adenocarcinoma after neoadjuvant chemotherapy: a retrospective study of 192 cases from National Cancer Center in China. *BMC Gastroenterol* 2017; 17(1):41.
- 29. Barbour AP, Walpole ET, Mai GT, et al. Preoperative cisplatin, fluorouracil, and docetaxel with or without radiotherapy after poor early response to cisplatin and fluorouracil for resectable oesophageal adenocarcinoma (AGITG DOCTOR): results from a multicentre, randomised controlled phase II trial. *Ann Oncol* 2020; 31(2):236-245.
- 30. Pietrantonio F, Miceli R, Raimondi A, et al. Individual Patient Data Meta-Analysis of the Value of Microsatellite Instability As a Biomarker in Gastric Cancer. *J Clin Oncol* 2019; 37(35):3392-3400.

- Smyth EC, Wotherspoon A, Peckitt C, et al. Mismatch Repair Deficiency, Microsatellite Instability, and Survival:
   An Exploratory Analysis of the Medical Research Council Adjuvant Gastric Infusional Chemotherapy (MAGIC)
   Trial. JAMA Oncol 2017; 3(9):1197-1203.
- 32. Bang YJ, Kim YW, Yang HK, et al. Adjuvant capecitabine and oxaliplatin for gastric cancer after D2 gastrectomy (CLASSIC): a phase 3 open-label, randomised controlled trial. *Lancet* 2012; 379(9813):315-21.
- Student Audit and Research in Surgery (STARSurg) Collaborative. Multicentre prospective cohort study of body mass index and postoperative complications following gastrointestinal surgery. *Br J Surg.* 2016; 103(9):1157-72.
- 34. Student Audit and Research in Surgery (STARSurg) Collaborative. Prognostic model to predict postoperative acute kidney injury in patients undergoing major gastrointestinal surgery based on a national prospective observational cohort study. *British Journal of Surgery Open* 2018.
- 35. Student Audit and Research in Surgery (STARSurg) Collaborative. Impact of post-operative non-steroidal antiinflammatory drugs on adverse events after gastrointestinal surgery. *Br J Surg.* 2014 101(11):1413-23.
- 36. EuroSurg Collaborative. Body mass index and complications following major gastrointestinal surgery: a prospective, international cohort study and meta-analysis. *Colorectal Dis.* 2018; 20(8):0215-0225.
- GlobalSurg Collaborative. Surgical site infection after gastrointestinal surgery in high-income, middle-income, and low-income countries: a prospective, international, multicentre cohort study. *Lancet Infect Dis.* 2018; 18(5):516-525.
- 38. National Research C, Association of Surgeons in Training Collaborative Consensus G. Recognising contributions to work in research collaboratives: Guidelines for standardising reporting of authorship in collaborative research. *Int J Surg* 2018; 52:355-360.

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# 16. Appendix

# Table 16.1 Data dictionary and definitions

Variable	Parameters/units	Source
P1. Eligibility		
P1.1. Age ≥18 years	Yes, No (only 1 answer allowed)	
P1.2. Has gastric and/or gastroesophageal cancer	Yes, No (only 1 answer allowed)	
P1.3. Had preoperative FLOT chemotherapy and surgical resection	Yes, No	
P1.4. Inclusion into study	Yes (Yes to all above), No (No to one or more above)	
D2 Deceling characteristics	(Auto-calculated based on above 3 questions)	
P2. Baseline characteristics		
P2.1. Study number	Number	Self-generated, sites specific
P2.2. Centre code	Number	Auto generated in REDCAP
P2.3. Country	Drop down menu – choose from all centres	Self-reported
P2.4. Date of birth (DD/MM/YYYY)	Dd/mm/yyyy	Anaesthetic chart
P2.5. Gender	Male, Female (only 1 answer allowed)	Pre-admission notes
P2.6. Height (meters)	m	
P2.7. Weight (kg)	Кg	
P2.8. Body Mass Index	Auto-calculated (=kg/m <sup>2</sup> )	Auto-calculated
P3. Co-morbidity (Charlson co-morbidity index)		
P3.1. Age at surgery (Op year – year of birth)	<50 (0), 50-59 (+1), 60-69 (+2), 70-79 (+3), 80-100 (+4) (only 1 answer allowed)	Anaesthetic chart Pre-admission notes
P3.2. Cerebrovascular disease (history of Strokes, TIA)	Yes (+1), No (0)	
P3.3. Hemiplegia	Yes (+2), No (0)	
P3.4. Ischaemic heart disease (history of MI, angina)	Yes (+1), No (0)	
P3.5. Congestive heart failure	Yes (+1), No (0)	
D2 C. Changing and an and a disease (history of any shares		
COPD)	(only 1 answer allowed)	
P3.7. Chronic liver disease (history of chronic hepatitis, cirrhosis)	Yes (+1), No (0) (only 1 answer allowed)	
P3.8. Chronic renal injury (on dialysis, Cr >270 umol/L OR >3mg/dL)	Yes (+2), No (0) (only 1 answer allowed)	
P3.9. Connective tissue disease (history of rheumatoid arthritis, SLE, scleroderma, systemic sclerosis, polymyositis, dermatomyositis mixed connective tissue disease)	Yeš (+1), No (0) (only 1 answer allowed)	
P3.10. Peripheral vascular disease (history of claudication, limb gangrene, intervention for arterial insufficiency, aortic aneurysm)	Yes (+1), No (0) (only 1 answer allowed)	
P3.11. Dementia (Any cause of chronic cognitive deficit)	Yes (+1), No (0) (only 1 answer allowed)	
P3.12. Peptic ulcer disease (history of ulcer bleeding, perforation and treatment)	Yes (+1), No (0) (only 1 answer allowed)	
P3.13. Diabetes (on any medication)	Yes (+1), No (0) (only 1 answer allowed)	
P3.14. Leukaemia/lymphoma (active disease)	Yes (+2), No (0) (only 1 answer allowed)	
P3.15. Metastatic non-UGI solid tumour (active disease)	Yes (+6), No (0) (only 1 answer allowed)	
P3.16. Charlson comorbidity index	Auto-calculated (=2+sum of above)	
P3.17. Smoking status at time of surgery	Active smoker, Ex-smoker, Never smoked	
	(only 1 answer allowed)	
P3.18. ASA at time of surgery	1: Normal health 2: mild systemic disease	
	<ul><li>3: severe systemic disease</li><li>4: systemic disease constant threat to life</li></ul>	
	(only 1 answer allowed)	
P3.19. ECOG performance status at time of surgery	0: Fully active 1: Restricted in strenuous physical activity 2: Ambulatory, self-caring	1 <sup>st</sup> oncology notes
	3: Limited self-care, chair/bed bound >50% of waking hr (only 1 answer allowed)	

P4. Preoperative treatment		
P4 1 First histological diagnosis date (DD/MM/YYYY)	dd/mm/yww	Pathology report
P4.2. Completed 4 popadiuvant ELOT cycles	Voc No	Oncology notos
	(only 1 answer allowed)	Oncology notes
P4.3. If no, total number of cycles completed (Branching logic, if No to P4.2)	1, 2, 3, unknown (only 1 answer allowed)	
P4.4. If no, reason for early cessation	Patient refusal	
(Branching logic if No to P4.2)	Clinician decision	
	Decreased performance status	
	Decreased performance status	
	Drug toxicity	
	Progressive disease	
	Other (describe)	
	(Can be any number of the above)	
P4.5. More than 4 cycles FLOT preoperatively	No. Yes (5 cycles). Yes (6 cycles). Yes (7 cycles). Yes (8	
(Branching logic if YES to P4.2)	cycles) Yes (>8 cycles)	
	(only 1 answer allowed)	
P4.6. Preoperative radiation	Yes, No	
P5. Surgery and postoperative care	(Only 1 answer allOWed)	
P5.1. Duration of surgery (minutes)	min	Anaesthetic chart
PE 2. Data of oursease (DD (AAA (V(A)))		Anaesthetic chart
P5.2. Date of surgery (DD/MINI/YYYY)	dd/mm/yyyy	Operation notes
P5.3. Surgical approach	Open, Hybrid, Total minimally invasive	
	(only 1 answer allowed)	
P5.4. Type of resection	Transthoracic oesophagectomy	
	Transhiatal oesophagectomy	
	3-stage oesophagectomy	
	Extended total gastrectomy (Oesophago-gastrectomy)	
	Total gastrectomy	
	Subtotal gastroctomy	
	Proximal partial gastrectomy	
	Other (describe)	
	(only 1 answer allowed)	
P5.5. Type of lymphadenectomy – oesophagectomy	Not applicable	
	2 field: mediastinal & abdominal	
	3 field: neck, mediastinal & abdominal	
	(only 1 answer allowed)	
	(Only 1 unswer unowed)	
P5.6. Type of Tymphadenectomy – gastrectomy	Not applicable	
	Sub-D1: less than perigastric nodes	
	D1: perigastric nodes	
	D1+: D1 & left gastric, common hepatic, coeliac, proximal	
	splenic artery nodes	
	D2: D1+ & splenic hilum, distal splenic artery nodes	
	D3: D2 & benaticoduodenal retronancreatic nodes	
	only 1 answer allowed	
	(only 1 answer allowed)	
P5.7. Intraoperative complication	Yes, NO	
	(only 1 answer allowed)	
P5.8. ICU/HDU admission	Yes, No	Progress notes
	(only 1 answer allowed)	
P5.9. Total length of stay (Days)	Days	Discharge summary
	(only 1 answer allowed)	
P5.10. 30-day return to theatre	Yes, No	
	(only 1 answer allowed)	
P5.11. 30-day hospital readmission	Yes, No	
	(only 1 answer allowed)	
P5.12. 30-day ICU/HDU readmission	Yes, No	
	(only 1 answer allowed)	
P5.13. 30-day mortality	Yes, No	
	(only 1 answer allowed)	
Pb. Complications within 30 days post-op		
Respiratory		Discharge summary
P6.1. Pneumonia	Yes, No	Unit audit
	(only 1 answer allowed)	Hospital coding service
P6.2. Pleural effusion requiring drainage	Yes, No	Progress notes
	(only 1 answer allowed)	
P6.3. Pneumothorax requiring intervention	Yes, No	1
	(only 1 answer allowed)	
P6.4 Atelectasis requiring bronchoscopy	Yes No	
i o.a. Atelectasis requiring bronchoscopy	(only 1 answer allowed)	
DE E. Docairatory failure requiring relative of	(Unity 1 Unswer Unowed)	
Po.5. Respiratory failure requiring reintubation		
	(only 1 answer allowed)	
P6.6. Acute respiratory distress syndrome	Yes, No	
	(only 1 answer allowed)	

P6.7. Acute aspiration	Yes, No (only 1 answer allowed)	
P6.8. Tracheobronchial injury	Yes, No (only 1 answer allowed)	
P6.9. Air leak > 10 days post-op	Yes, No (only 1 answer allowed)	
Cardiac		
P6.10. Myocardial infarction	Yes, No (only 1 answer allowed)	-
P6.11. Arrhythmia requiring intervention	Yes, No (only 1 answer allowed)	
P6.12. Congestive heart failure requiring intervention	Yes, No (only 1 answer allowed)	
P6.13. Cardiac arrest requiring CPR	Yes, No (only 1 answer allowed)	
Gastrointestinal		
P6.14. Anastomotic leak	Yes, No (only 1 answer allowed)	
P6.15. Ileus	Yes, No (only 1 answer allowed)	
P6.16. Small bowel obstruction	Yes, No (only 1 answer allowed)	
P6.17. Pancreatitis	Yes, No (only 1 answer allowed)	
Infection		
P6.18. General sepsis	Yes, No (only 1 answer allowed)	-
P6.19. Clostridium difficile infection	Yes, No (only 1 answer allowed)	
P6.20. Surgical site infection requiring intervention or antibiotics	Yes, No (only 1 answer allowed)	
P6.21. Intrathoracic abscess	Yes, No (only 1 answer allowed)	
P6.22. Intra-abdominal abscess	Yes, No (only 1 answer allowed)	-
Neurological		
P6.23. Delirium	Yes, No (only 1 answer allowed)	
P6.24. Cerebrovascular accident (ischaemic or bleed)	Yes, No (only 1 answer allowed)	
Haematological		
P6.25. Venous thromboembolism	Yes, No (only 1 answer allowed)	
P6.26. Bleeding requiring intervention or transfusion	Yes, No (only 1 answer allowed)	
Urological P6.27. Acute kidney injury (x2 baseline creatinine)	Yes, No	
P6.28. Urinary tract infection	(only 1 answer allowed) Yes, No	-
Other complications	(only 1 answer allowed)	-
P6.29. Wound dehiscence	Yes, No (only 1 answer allowed)	
P6.30. Acute diaphragmatic hernia	Yes, No (only 1 answer allowed)	
P6.31. Acute abdominal wall hernia	Yes, No (only 1 answer allowed)	
P6.32. Chyle leak	Yes, No (only 1 answer allowed)	
P6.33. Clavien-Dindo grade (for most severe complication)	1: complication with no change in patient management 2: complication requiring pharmacological treatment 3: complication requiring reintervention 4a: complication needing ICU admission and 1 organ failure 4b: complication needing ICU admission and >1 organ failure 5: complication resulting in death (only 1 answer allowed)	
P7. Histology		
P7.1. Tumour type	Adenocarcinoma, squamous cell carcinoma, other (only 1 answer allowed)	Pathology report
P7.2. Tumour site	GOJ, Cardia, Fundus, Body, Antrum, Pre-pylorus (only 1 answer allowed)	

P7.3. Tumour size (mm longest axis)	mm (describe), Not reported	
P7.4 Lauran tuna	(only 1 answer allowed)	
P7.4. Lauren type	(only 1 answer allowed)	
P7.5. Grade	Well differentiated, Moderately differentiated, Poorly	
	differentiated, Undifferentiated, Not reported	
P7.6. Lymph-vascular invasion	Yes, No, Not reported	
	(only 1 answer allowed)	
P7.7. Perineural invasion	Yes, No, Not reported	
P7.8. Resection margins	R0: radial, proximal and distal margins clear	
	R1: microscopically tumour extends to/involving any margin	
	R2: macroscopically tumour at any margin	
P7.9. ypT status	T0, Tis, T1a, T1b, T2, T3, T4a, T4b	
	(only 1 answer allowed)	
P7.10. ypN status	NO, N1, N2, N3	
P7.11. ypM status	M0, M1	
	(only 1 answer allowed)	
P7.12. Number of lymph nodes examined	Number	
P7.13. Number of lymph nodes with cancer	Number	
P7.14. Her2 immunohistochemistry	IHC 0, 1+, 2+, 3+, Not reported (only 1 answer allowed)	
Mismatch repair status		
P7.15. MLH1 staining	Present, Absent, Not reported	
	(only 1 answer allowed)	
P7.16. PMISZ staining	(only 1 answer allowed)	
P7.17. MSH2 staining	Present, Absent, Not reported	
P7.18. MSH6 staining	Present, Absent, Not reported	
P7 19 Tumour regression grade	(Only 1 answer allowed)	
17.15. Turnour regression grade	TRG2: near-complete nathological response	
	indz. neur complete putilological response	
	TRG3: partial pathological response	
	TRG3: partial pathological response TRG4: poor/no pathological response	
P8. Adjuvant treatment	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed)	
P8. Adjuvant treatment         P8.1. Any adjuvant treatment	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No	Oncology notes and
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Descen for no edjuvant treatment	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9	TRG3: partial pathological response         TRG4: poor/no pathological response         (only 1 answer allowed)         Yes, No         (only 1 answer allowed)         Patient refusal         Clinician decision         Decreased performance status         Drug toxicity         Progressive disease	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9	TRG3: partial pathological response         TRG4: poor/no pathological response         (only 1 answer allowed)         Yes, No         (only 1 answer allowed)         Patient refusal         Clinician decision         Decreased performance status         Drug toxicity         Progressive disease         Death         Other (describe)         (Can be any number of the above)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)	TRG3: partial pathological response         TRG4: poor/no pathological response         (only 1 answer allowed)         Yes, No         (only 1 answer allowed)         Patient refusal         Clinician decision         Decreased performance status         Drug toxicity         Progressive disease         Death         Other (describe)         (Can be any number of the above)         Yes, No         (only 1 answer allowed)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)	TRG3: partial pathological response         TRG4: poor/no pathological response         (only 1 answer allowed)         Yes, No         (only 1 answer allowed)         Patient refusal         Clinician decision         Decreased performance status         Drug toxicity         Progressive disease         Death         Other (describe)         (Can be any number of the above)         Yes, No         (only 1 answer allowed)         1, 2, 3, 4 completed, not reported	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) Completed FLOT - Not applicable	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)	TRG3: partial pathological response         TRG4: poor/no pathological response         (only 1 answer allowed)         Yes, No         (only 1 answer allowed)         Patient refusal         Clinician decision         Decreased performance status         Drug toxicity         Progressive disease         Death         Other (describe)         (Can be any number of the above)         Yes, No         (only 1 answer allowed)         1, 2, 3, 4 completed, not reported         (only 1 answer allowed)         Completed FLOT - Not applicable         Patient refusal	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT (Branching logic, if YES to P8.3)	TRG3: partial pathological response         TRG4: poor/no pathological response         (only 1 answer allowed)         Yes, No         (only 1 answer allowed)         Patient refusal         Clinician decision         Decreased performance status         Drug toxicity         Progressive disease         Death         Other (describe)         (Can be any number of the above)         Yes, No         (only 1 answer allowed)         1, 2, 3, 4 completed, not reported         (only 1 answer allowed)         Completed FLOT - Not applicable         Patient refusal         Clinician decision	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)	TRG3: partial pathological response         TRG4: poor/no pathological response         (only 1 answer allowed)         Yes, No         (only 1 answer allowed)         Patient refusal         Clinician decision         Decreased performance status         Drug toxicity         Progressive disease         Death         Other (describe)         (Can be any number of the above)         Yes, No         (only 1 answer allowed)         1, 2, 3, 4 completed, not reported         (only 1 answer allowed)         Completed FLOT - Not applicable         Patient refusal         Clinician decision         Decreased performance status	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT (Branching logic, if YES to P8.3)	TRG3: partial pathological response         TRG4: poor/no pathological response         (only 1 answer allowed)         Yes, No         (only 1 answer allowed)         Patient refusal         Clinician decision         Decreased performance status         Drug toxicity         Progressive disease         Death         Other (describe)         (Can be any number of the above)         Yes, No         (only 1 answer allowed)         1, 2, 3, 4 completed, not reported         (only 1 answer allowed)         Completed FLOT - Not applicable         Patient refusal         Clinician decision         Decreased performance status	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be more than one of the above)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)         P8.6. Adjuvant treatment in addition to FLOT	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be more than one of the above) Radiotherapy (describe)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)         P8.6. Adjuvant treatment in addition to FLOT         (Branching logic, if YES to P8.3)	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be more than one of the above) Radiotherapy (describe) Chemotherapy (describe)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT (Branching logic, if YES to P8.3)         P8.6. Adjuvant treatment in addition to FLOT (Branching logic, if YES to P8.3)	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be more than one of the above) Radiotherapy (describe) Radiation and chemotherapy (describe) Molecular therapy (describe)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)         P8.6. Adjuvant treatment in addition to FLOT         (Branching logic, if YES to P8.3)	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be more than one of the above) Radiotherapy (describe) Radiation and chemotherapy (describe) Molecular therapy (describe) Immunotherapy (describe)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)         P8.6. Adjuvant treatment in addition to FLOT         (Branching logic, if YES to P8.3)	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be more than one of the above) Radiotherapy (describe) Radiation and chemotherapy (describe) Immunotherapy (describe) Clinical trial (describe)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT         (Branching logic, if YES to P8.3)         P8.6. Adjuvant treatment in addition to FLOT         (Branching logic, if YES to P8.3)	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be more than one of the above) Radiotherapy (describe) Chemotherapy (describe) Molecular therapy (describe) Immunotherapy (describe) Clinical trial (describe) Other (describe)	Oncology notes and letters
P8. Adjuvant treatment         P8.1. Any adjuvant treatment         P8.2. Reason for no adjuvant treatment         (Branching logic, if NO to P8.1) → section P9         P8.3. Adjuvant FLOT         (Branching logic, if YES to P8.1)         P8.4. Number of adjuvant FLOT cycles completed         (Branching logic, if YES to P8.3)         P8.5. Reason not completing 4 cycles of adjuvant FLOT (Branching logic, if YES to P8.3)         P8.6. Adjuvant treatment in addition to FLOT (Branching logic, if YES to P8.3)	TRG3: partial pathological response TRG4: poor/no pathological response (only 1 answer allowed) Yes, No (only 1 answer allowed) Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be any number of the above) Yes, No (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) 1, 2, 3, 4 completed, not reported (only 1 answer allowed) Completed FLOT - Not applicable Patient refusal Clinician decision Decreased performance status Drug toxicity Progressive disease Death Other (describe) (Can be more than one of the above) Radiotherapy (describe) Chemotherapy (describe) Radiation and chemotherapy (describe) Molecular therapy (describe) Immunotherapy (describe) Clinical trial (describe) (only 1 answer allowed)	Oncology notes and letters

P8.7. Adjuvant treatment NOT involving FLOT	Radiotherapy only (describe)	
(Branching logic, if NO to P8.3)	Radiation and chemotherapy (describe)	
	Non-FLOT chemotherapy (describe)	
	Molecular therapy (describe)	
	Immunotherapy (describe)	
	Clinical trial (describe)	
	Other (describe)	
	(only 1 answer allowed)	
P9 Survival endnoints	(only 1 answer anowed)	
P9.1 Disease recurrence (clinical OR tumour marker OR	Ves No	Surgery/oncology_notes
radiological OP ondescenic ovidence does NOT require	(only 1 answer allowed)	and lottors
hierow evidence)	(only 1 unswer unowed)	and letters
(Provobio docio (CVEC to DO 4)	aa/mm/yyyy	
(Branching logic, If YES to P9.1)		
P9.3. Site(s) of recurrence	Describe	
(Branching logic, if YES to P9.1)		
P9.4. ECOG at recurrence	0: Fully active	
(Branching logic, if YES to P9.1)	1: Restricted in strenuous physical activity	
	2: Ambulatory, self-caring	
	3: Limited self-care, chair/bed bound >50% of waking hr	
	4: Completely disable	
	(only 1 answer allowed)	
P9.5. 1 <sup>st</sup> line treatment for recurrence	Yes, No	
(Branching logic, if YES to P9.1)	(only 1 answer allowed)	
P9.6. Describe 1 <sup>st</sup> line treatment for recurrence	Describe	
(Branching logic, if YES to P9.5)		
P9.7. 1 <sup>st</sup> line treatment for recurrence start date	dd/mm/yyyy	
(DD/MM/YYYY)		
(Branching logic, if YES to P9.5)		
P9.8. 1 <sup>st</sup> line treatment for recurrence stop date	dd/mm/yyyy	
(DD/MM/YYYY)		
(Branching logic, if YES to P9.5)		
P9.9. 2 <sup>nd</sup> line treatment for recurrence	Yes. No	
	(only 1 answer allowed)	
P9.10. Describe 2 <sup>nd</sup> line treatment for recurrence	Describe	
(Branching logic, if YES to P9.9)		
P9.11. 2 <sup>nd</sup> line treatment for recurrence start date	dd/mm/yyyy	
(DD/MM/YYYY)		
(Branching logic, if YES to P9.9)		
P9.12. 2 <sup>nd</sup> line treatment for recurrence stop date	dd/mm/yyyy	1
(DD/MM/YYYY)		
(Branching logic, if YES to P9.9)		
P9.13. 3 <sup>rd</sup> line treatment for recurrence	Yes, No	1
	(only 1 answer allowed)	
P9.14 Describe 3 <sup>rd</sup> line treatment for recurrence	Describe	1
(Branching logic, if YES to P9.13)		
P9.15 3 <sup>rd</sup> line treatment for recurrence start date	dd/mm/yyyy	
(DD/MM/YYYY)		
(Branching logic, if YES to P9.13)		
P9.16 3 <sup>rd</sup> line treatment for recurrence stop date	dd/mm/yyyy	1
(DD/MM/YYYY)	,,,,	
(Branching logic, if YES to P9.13)		
P9.17. Date of death (DD/MM/YYYY)	dd/mm/vvvv	1
P9.18. If date of death unknown, last seen alive (censored	dd/mm/yyyy	1
date. DD/MM/YYYY)		
	1	1

## Table 16.2. Sites involved (current to date-stamp)

Canberra Hospital         ACT         Australia         Confirmed Confirmed         Altroit. Suskimar Gananaba           Bankstown/Liverpool Hospital         NSW         Australia         Confirmed         Altroit. Suskimar Gananaba           Bankstown/Liverpool Hospital         NSW         Australia         Confirmed         Altroit. Suskimar Gananaba           Brites         Altroit.         NSW         Australia         Confirmed         Altroit.           Royal Brisbane Hospital         Queensland         Australia         Confirmed         Dr. Rob Finch           Filnders         Medical Centre         South Australia         Australia         Confirmed         Dr. Tarbit Mantere Dr. Amark Mantere           Royal Adelaide Hospital         South Australia         Australia         Confirmed         Dr. Tarbit Mantere Dr. Amark Mantere           Royal Adelaide Hospital         Victoria         Australia         Confirmed         Dr. Carbit Mana Aly Aprof. Shamad Aly Bendigo Hospital         Victoria         Australia         Confirmed         Dr. Carbit Manu Aly Aprof. Shamad Aly Aprof. Shamad Aly Aprof. Sung Duo Buog           Northern Health         Victoria         Australia         Confirmed         Dr. Krinal Mori           Northern Health         Victoria         Australia         Confirmed         Dr. Yaya Al+Halit Aprof. Viustathita	Hospital	State/Region	Country	Participation status	Lead investigator/
Bankstown/Liverpool Hospital         NSW         Australia         Confirmed         Prof. Mark Smithers           Bankstown/Liverpool Hospital         NSW         Australia         Confirmed         Prof. Mark Smithers           The Royal Northshore Hospital         Queensland         Australia         Confirmed         Prof. Mark Smithers           Royal Brisbane Hospital         Queensland         Australia         Confirmed         Dr. Tim Bright           Filnders Medical Centre         South Australia         Australia         Confirmed         Dr. TamBright           Lyell McEwin Hospital         South Australia         Australia         Confirmed         Dr. Harshinhere           Austin Hospital         Victoria         Australia         Confirmed         Dr. Harshinhere           Austin Hospital         Victoria         Australia         Confirmed         Dr. Harshinhere           Morthshore         Dr. Confirmed         Dr. Confirmed         Dr. Harshin Australia         Confirmed         Dr. Harshin Australia           Australia         Confirmed         Dr. Harshin Australia         Confirmed         Dr. Harshin Australia           Australia         Confirmed         Dr. Sarah Martin         Northern Health         Victoria         Australia         Confirmed         Dr. Kinal Martin	Canberra Hospital	ACT	Australia	Confirmed	A/Prof. Sivakumar
Bankstown/Liverpool Hospital         NSW         Australia         Confirmed         Prof. Neil Merrett           The Royal Northshore Hospital         NSW         Australia         Confirmed         Prof. Garett Smith           Princess Alexandra Hospital         Queensland         Australia         Confirmed         Prof. Mark Smithers           Royal Brisbane Hospital         Queensland         Australia         Confirmed         Dr. Rob Finch           Finders Medical Centre         South Australia         Australia         Confirmed         Dr. Tim Bright           Kell Medical Centre         South Australia         Australia         Confirmed         Dr. Lachlan Dandie           Royal Adelaide Hospital         South Australia         Australia         Confirmed         Dr. Harsh Kanhere Dr. ChanHann Liew           Lustin Hospital         Victoria         Australia         Confirmed         Dr. Knane diazzanchi           Monash Medical Centre         Victoria         Australia         Confirmed         Dr. Knal Mori           Northern Health         Victoria         Australia         Confirmed         Dr. Knal Mori           Northern Health         Victoria         Australia         Confirmed         Dr. Knal Mori           St Vincent's Hospital         Victoria         Australia			,		Gananadha
The Royal Northshore Hospital         NSW         Australia         Confirmed         A/Prof. Garett Smith           Princess Alexandra Hospital         Queensland         Australia         Confirmed         Prof. Mark Smithers           Royal Brisbane Hospital         Queensland         Australia         Confirmed         Dr. Mark Smithers           Royal Adelaide Hospital         South Australia         Australia         Confirmed         Dr. Tim Bright Prof. Bavid Watson           Royal Adelaide Hospital         South Australia         Australia         Confirmed         Dr. Harsh Knehree Dr. Ahmed Barezanchi           Austin Hospital         Victoria         Australia         Confirmed         Dr. Con Hann Liew           Bendigo Hospital         Victoria         Australia         Confirmed         Dr. Con Hann Liew           Bestern Hospital         Victoria         Australia         Confirmed         Dr. Con Hann Liew           Monash Medical Centre         Victoria         Australia         Confirmed         Dr. Kinal Mori           Peter MacCallum Cancer Centre         Victoria         Australia         Confirmed         Dr. Kinal Mori           Peter MacCallum Cancer Centre         Victoria         Australia         Confirmed         Dr. Kinal Mori           Peter MacCallum Cancer Centre         Victori	Bankstown/Liverpool Hospital	NSW	Australia	Confirmed	Prof. Neil Merrett
Princess Alexandra Hospital         Queensland         Australia         Confirmed         Prof. Mark Smithers           Royal Brisbane Hospital         Queensland         Australia         Confirmed         Dr. Rob Finch           Flinders Medical Centre         South Australia         Australia         Confirmed         Dr. Rob Finch           Lyell McEwin Hospital         South Australia         Australia         Confirmed         Dr. Lachlan Dandie           Royal Adelaide Hospital         South Australia         Australia         Confirmed         Dr. Lachlan Dandie           Austin Hospital         Victoria         Australia         Confirmed         Dr. Anned Barazanchi           Austin Hospital         Victoria         Australia         Confirmed         Dr. Mary-Ann Johnson           Monash Medical Centre         Victoria         Australia         Confirmed         Dr. Sarah Martin           Northern Health         Victoria         Australia         Confirmed         Dr. Kanal Mori           Veter MacCallum Cancer Centre         Victoria         Australia         Confirmed         Dr. Warka Al-Hallal           Moret Health         Victoria         Australia         Confirmed         Dr. Warka Al-Hallal           Moret Health         Victoria         Australia         Confirmed	The Royal Northshore Hospital	NSW	Australia	Confirmed	A/Prof. Garett Smith
Royal Brisbane Hospital         Queensland         Australia         Confirmed         Dr. Rob Finch           Finders Medical Centre         South Australia         Australia         Confirmed         Dr. Tim Bright Piel. David Watson           Lyell McEwin Hospital         South Australia         Australia         Confirmed         Dr. Lachlan Dandle           Royal Adelaide Hospital         South Australia         Australia         Confirmed         Dr. Haris Ranhere Dr. Ahmed Barzanchi           Austin Hospital         Victoria         Australia         Confirmed         Dr. David Liu Ary Pief. Ahmad Aly           Bendigo Hospital         Victoria         Australia         Confirmed         Dr. Mary-Ann Johnson           Monash Medical Centre         Victoria         Australia         Confirmed         Dr. Sarah Martin           Northern Health         Victoria         Australia         Confirmed         Dr. Kinal Mori           Peter MacCallum Cancer Centre         Victoria         Australia         Confirmed         Dr. Washa Al-Halial A/Prof. Val UsatoffA           Ki Vinceria         Australia         Confirmed         Dr. Washa Al-Halial A/Prof. Val UsatoffA         Dr. Rohe Bohmer           St Vinceria         Australia         Confirmed         Dr. Washa Al-Halial A/Prof. Val UsatoffA           Ki Vincoria	Princess Alexandra Hospital	Queensland	Australia	Confirmed	Prof. Mark Smithers
Flinders Medical Centre         South Australia         Australia         Confirmed         Dr. Tim Bright Prof. David Watson           Lyell McEwin Hospital         South Australia         Australia         Confirmed         Dr. Lachlan Dandie           Royal Adelaide Hospital         South Australia         Australia         Confirmed         Dr. Harsh Kanhere Dr. Ahmed Barzanchi           Austin Hospital         Victoria         Australia         Confirmed         Dr. March Ramadhi           Bendigo Hospital         Victoria         Australia         Confirmed         Dr. Mary Ann Johnson           Monash Medical Centre         Victoria         Australia         Confirmed         Dr. Krinal Mori           Northern Health         Victoria         Australia         Confirmed         Dr. Krinal Mori           Peter MacCallum Cancer Centre         Victoria         Australia         Confirmed         Dr. Krinal Mori           Victoria         Australia         Confirmed         Dr. Krinal Mori         Dr. Authew Read           Western Health         Victoria         Australia         Confirmed         Dr. Wathew Read           Morth Hospital         Tasmania         Australia         Confirmed         Dr. Wathew Read           Kyron Vul Sustoff         Tasmania         Australia         Confirme	Royal Brisbane Hospital	Queensland	Australia	Confirmed	Dr. Rob Finch
Lyell McEwin Hospital         South Australia         Australia         Confirmed         Dr. Lachlan Dandie           Royal Adelaide Hospital         South Australia         Australia         Confirmed         Dr. Harsh Kanhere Dr. Ahmed Barcanchi           Austin Hospital         Victoria         Australia         Confirmed         Dr. David Liu A/Prof. Ahmed Barcanchi           Bendigo Hospital         Victoria         Australia         Confirmed         Dr. Mary-Ann Johnson           Monash Medical Centre         Victoria         Australia         Confirmed         Dr. Sarah Martin           Northern Health         Victoria         Australia         Confirmed         Dr. Sarah Martin           Northern Health         Victoria         Australia         Confirmed         Dr. Krinal Mori           Peter MacCallum Cancer Centre         Victoria         Australia         Confirmed         Dr. Anthew Read           Western Health         Victoria         Australia         Confirmed         Dr. Jurstine Daruwalla A/Prof. Val UsatoffA           Iaunceston General Hospital         Tasmania         Australia         Confirmed         Dr. Jurstine Daruwalla Dr. Girish Pande           Fiona Stanley Hospital         Questern Australia         Australia         Confirmed         Dr. Andrew McCornick           Christchurch Hospita	Flinders Medical Centre	South Australia	Australia	Confirmed	Dr. Tim Bright Prof. David Watson
Royal Adelaide HospitalSouth AustraliaAustraliaConfirmedDr. Harsh Ranhere Dr. Ahmed BarazanchiAustin HospitalVictoriaAustraliaConfirmedDr. Tharsh Ranhere Dr. Ahmed BarazanchiBendigo HospitalVictoriaAustraliaConfirmedDr. Chon Hann LiewEastern HospitalVictoriaAustraliaConfirmedDr. Mary-Ann JohnsonMonash Medical CentreVictoriaAustraliaConfirmedDr. Kinal MoriNorthern HealthVictoriaAustraliaConfirmedDr. Krinal MoriPeter MacCallum Cancer CentreVictoriaAustraliaConfirmedDr. Krinal MoriVestern HealthVictoriaAustraliaConfirmedDr. Yayha Al-Hallal A/Prof Luong DuongSt Vincent's HospitalVictoriaAustraliaConfirmedDr. Adney JacobsRoyal Hobart HospitalTasmaniaAustraliaConfirmedDr. Robe NameIaunceston General HospitalTasmaniaAustraliaConfirmedDr. Jurstine Daruwalla Dr. Grish PandeHiddlemore HospitalAucklandNew ZealandConfirmedDr. Ross RobertDunedinNew ZealandConfirmedDr. Ross RobertDunedinDunedinNew ZealandConfirmedDr. Ross RobertDunedinNew ZealandConfirmedDr. Ross RobertDunedinNew ZealandConfirmedDr. Ross RobertDunedinNew ZealandConfirmedDr. Ross RobertDunedinNew ZealandConfirmedDr. Sharon Pattison	Lyell McEwin Hospital	South Australia	Australia	Confirmed	Dr. Lachlan Dandie
Austin HospitalVictoriaAustraliaConfirmedDr. David Lu A/Prof. Ahmad AlyBendigo HospitalVictoriaAustraliaConfirmedDr. Chon Hänn LiewEastern HospitalVictoriaAustraliaConfirmedDr. Mary-Ann JohnsonMonash Medical CentreVictoriaAustraliaConfirmedDr. Sarah MartinNorthern HealthVictoriaAustraliaConfirmedDr. Krinal MoriPeter MacCallum Cancer CentreVictoriaAustraliaConfirmedA/Prof Cuong DuongSt Vincent's HospitalVictoriaAustraliaConfirmedDr. Yayha Al-Hallal A/Prof. Val UsatoffA Dr. Rodney JacobsRoyal Hobart HospitalTasmaniaAustraliaConfirmedDr. Yayha Al-Hallal A/Prof. Val UsatoffA Dr. Rodney JacobsRoyal Hobart HospitalTasmaniaAustraliaConfirmedDr. Jurstine Daruwalla Dr. Jurstine Daruwalla Dr. Jurstine Daruwalla Dr. Jurstine Daruwalla Dr. Jurstine Daruwalla Dr. Jurstine Daruwalla Middlemore HospitalDer. Andrew McCormickChristchurch HospitalAucklandNew ZealandConfirmedDr. Ros RobertDunedinNew ZealandConfirmedDr. JasultanDr. Saron PattisonQueen Elizabeth HospitalBirminghamEnglandConfirmedDr. JasultanSalford GroupGreater ManchesterEnglandConfirmedDr. Alex PhillipsSalford GroupGreater ManchesterEnglandConfirmedDr. Alex PhillipsNorfolk and NorwichEnglandConfirmedDr. Sheraz Markar <t< td=""><td>Royal Adelaide Hospital</td><td>South Australia</td><td>Australia</td><td>Confirmed</td><td>Dr. Harsh Kanhere Dr. Ahmed Barazanchi</td></t<>	Royal Adelaide Hospital	South Australia	Australia	Confirmed	Dr. Harsh Kanhere Dr. Ahmed Barazanchi
Bendigo Hospital       Victoria       Australia       Confirmed       Dir. Chon Hänn Liew         Eastern Hospital       Victoria       Australia       Confirmed       Dir. Mary-Ann Johnson         Monash Medical Centre       Victoria       Australia       Confirmed       Dr. Mary-Ann Johnson         Monash Medical Centre       Victoria       Australia       Confirmed       Dr. Sarah Martin         Northern Health       Victoria       Australia       Confirmed       Dr. Krinal Mori         Peter MacCallum Cancer Centre       Victoria       Australia       Confirmed       Dr. Watthew Read         Western Health       Victoria       Australia       Confirmed       Dr. Yayha Al-Hallal         Mestern Health       Victoria       Australia       Confirmed       Dr. Yayha Al-Hallal         A/Prof. Val UsatoffA       Dr. Nodney Jacobs       Dr. Rob Bohmer       Dr. Rob Bohmer         Lauceston General Hospital       Tasmania       Australia       Confirmed       Dr. Rob Bohmer         Lauceston General Hospital       Auckland       New Zealand       Confirmed       Dr. Andrew McCormick         Christchurch Hospital       Queen Elizabeth Hospital       Dunedin       New Zealand       Confirmed       Dr. Swas Robert         Dunedin Hospital       Dune	Austin Hospital	Victoria	Australia	Confirmed	Dr. David Liu A/Prof. Abmad Alv
Eastern Hospital         Victoria         Australia         Confirmed         Dr. Mary-Ann Johnson           Monash Medical Centre         Victoria         Australia         Confirmed         Dr. Sarah Martin           Northern Health         Victoria         Australia         Confirmed         Dr. Krinal Mori           Peter MacCallum Cancer Centre         Victoria         Australia         Confirmed         Dr. Krinal Mori           St Vincent's Hospital         Victoria         Australia         Confirmed         Dr. Matthew Read           Western Health         Victoria         Australia         Confirmed         Dr. Yayha Al-Hallal A/Prof. Val UsatoffA           Koyal Hobart Hospital         Tasmania         Australia         Confirmed         Dr. Jurstine Daruwalla A/Prof. No Bohmer           Launceston General Hospital         Tasmania         Australia         Confirmed         Dr. Jurstine Daruwalla Dr. Girish Pande           Fiona Stanley Hospital         Western Australia         Australia         Confirmed         Dr. Andrew McCormick           Christchurch Hospital         Christchurch         New Zealand         Confirmed         Dr. Shoron Pattison           Queen Elizabeth Hospital         Birmingham         England         Confirmed         Dr. Alex Phillips           Norfolk and Norwich University Hosp	Bendigo Hospital	Victoria	Australia	Confirmed	Dr. Chon Hann Liew
Monash Medical Centre         Victoria         Australia         Confirmed         Dr. Sarah Martin           Northern Health         Victoria         Australia         Confirmed         Dr. Krinal Mori           Peter MacCallum Cancer Centre         Victoria         Australia         Confirmed         Dr. Krinal Mori           St Vincent's Hospital         Victoria         Australia         Confirmed         Dr. Matthew Read           Western Health         Victoria         Australia         Confirmed         Dr. Yayha Al-Hallal A/Prof. Val UsatoffA           Goyal Hobart Hospital         Tasmania         Australia         Confirmed         Dr. Jurstine Daruwalla Dr. Rodney Jacobs           Fiona Stanley Hospital         Tasmania         Australia         Confirmed         Dr. Jurstine Daruwalla Dr. Girish Pande           Fiona Stanley Hospital         Western Australia         Australia         Confirmed         Dr. Andrew McCormick           Christchurch Hospital         Auckland         New Zealand         Confirmed         Dr. Saron Pattison           Queen Elizabeth Hospital         Dunedin         New Zealand         Confirmed         Dr. Alex Phillips           Salford Group         Greater Manchester         England         Confirmed         Dr. Alex Phillips           Norfolk and Norwich University Hospital <td>Eastern Hospital</td> <td>Victoria</td> <td>Australia</td> <td>Confirmed</td> <td>Dr. Mary-Ann Johnson</td>	Eastern Hospital	Victoria	Australia	Confirmed	Dr. Mary-Ann Johnson
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Western HealthVictoriaAustraliaConfirmedDr. Yayha Al-Hallal A/Prof. Val UsatoffA Dr. Rodney JacobsRoyal Hobart HospitalTasmaniaAustraliaConfirmedDr. Rob BohmerLaunceston General HospitalTasmaniaAustraliaConfirmedDr. Rob BohmerLaunceston General HospitalTasmaniaAustraliaConfirmedDr. Jurstine Daruwalla Dr. Girish PandeFiona Stanley HospitalWestern AustraliaAustraliaConfirmedDr. Andrew McCormickMiddlemore HospitalAucklandNew ZealandConfirmedDr. Andrew McCormickChristchurch HospitalDunedinNew ZealandConfirmedDr. Sharon PattisonQueen Elizabeth HospitalDunedinNew ZealandConfirmedDr. Sharon PattisonQueen Elizabeth HospitalBirminghamEnglandConfirmedDr. Alex PhillipsSalford GroupGreater ManchesterEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. Dr. David ChanMercy University HospitalConk CityIrelandConfirmedDr. David ChanMercy University HospitalDublinIrelandConfirmedPr. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. John Reynolds Dr	St Vincent's Hospital	Victoria	Australia	Confirmed	Dr. Matthew Read
APPOT. Val UsatoffA Dr. Rodney JacobsRoyal Hobart HospitalTasmaniaAustraliaConfirmedDr. Rob BohmerLaunceston General HospitalTasmaniaAustraliaConfirmedDr. Jurstine Daruwalla Dr. Girish PandeFiona Stanley HospitalWestern AustraliaAustraliaConfirmedDr. Andrew McCormickMiddlemore HospitalAucklandNew ZealandConfirmedDr. Andrew McCormickChristchurch HospitalChristchurchNew ZealandConfirmedDr. Ross RobertDunedin HospitalDunedinNew ZealandConfirmedDr. Sharon PattisonQueen Elizabeth HospitalBirminghamEnglandConfirmedDr. Alex PhillipsSalford GroupGreater ManchesterEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. David ChanMercy University HospitalDublinIrelandConfirmedPr. David ChanMercy University HospitalDublinIrelandConfirmedPr. David ChanMercy University HospitalDublinIrelandConfirmedPr. Guilaume PiessenKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Guilaume PiessenLilleHo	Western Health	Victoria	Australia	Confirmed	Dr. Yayha Al-Hallal
Dr. Robing JacobsRoyal Hobart HospitalTasmaniaAustraliaConfirmedDr. Rob BohmerLaunceston General HospitalTasmaniaAustraliaConfirmedDr. Girish PandeFiona Stanley HospitalWestern AustraliaAustraliaConfirmedDr. Girish PandeMiddlemore HospitalAucklandNew ZealandConfirmedDr. Andrew McCormickChristchurch HospitalChristchurchNew ZealandConfirmedDr. Andrew McCormickDunedin HospitalDunedinNew ZealandConfirmedDr. Ross RobertDunedin HospitalDunedinNew ZealandConfirmedDr. Sharon PattisonQueen Elizabeth HospitalBirminghamEnglandConfirmedDr. Jav SultanRoyal Victoria InfirmaryNewcastle-upon-TyneEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Javid ChanMercy University HospitalDublinIrelandConfirmedPr. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Guillaume PiessenLille University HospitalLilleFranceConfirmedProf. Guillaume Piessen					A/Prof. Val UsatottA
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Launceston General HospitalTasmaniaAustraliaConfirmedDr. Jurstine Daruwalla Dr. Girish PandeFiona Stanley HospitalWestern AustraliaAustraliaConfirmedA/Prof. Mo BallalMiddlemore HospitalAucklandNew ZealandConfirmedDr. Andrew McCormickChristchurch HospitalChristchurchNew ZealandConfirmedDr. Ross RobertDunedin HospitalDunedinNew ZealandConfirmedDr. Sharon PattisonQueen Elizabeth HospitalBirminghamEnglandConfirmedDr. Ewen GriffithsSalford GroupGreater ManchesterEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Bhaskar KumarImperial College LondonLondonEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Magnus NilssonLilleFranceConfirmedProf. Guillaume PiessenEnglau PielondeProf. Magnus Nilsson		rasmania	Australia	commed	DI. NOD BOIIITIEI
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Middlemore HospitalAucklandNew ZealandConfirmedDr. Andrew McCormickChristchurch HospitalChristchurchNew ZealandConfirmedDr. Ross RobertDunedin HospitalDunedinNew ZealandConfirmedDr. Sharon PattisonQueen Elizabeth HospitalBirminghamEnglandConfirmedDr. Ewen GriffithsSalford GroupGreater ManchesterEnglandConfirmedDr. Jav SultanRoyal Victoria InfirmaryNewcastle-upon-TyneEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Sheraz MarkarImperial College LondonLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Guillaume PiessenLilleFranceConfirmedProf. Guillaume PiessenConfirmedProf. Guillaume Piessen	Fiona Stanley Hospital	Western Australia	Australia	Confirmed	A/Prof. Mo Ballal
Christchurch HospitalChristchurchNew ZealandConfirmedDr. Ross RobertDunedin HospitalDunedinNew ZealandConfirmedDr. Sharon PattisonQueen Elizabeth HospitalBirminghamEnglandConfirmedDr. Ewen GriffithsSalford GroupGreater ManchesterEnglandConfirmedDr. Jav SultanRoyal Victoria InfirmaryNewcastle-upon-TyneEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Sheraz MarkarImperial College LondonLondonEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Guillaume PiessenLilleFranceConfirmedProf. Guillaume PiessenProf. Guillaume Piessen	Middlemore Hospital	Auckland	New Zealand	Confirmed	Dr. Andrew McCormick
DunedinNew ZealandConfirmedDr. Sharon PattisonQueen Elizabeth HospitalBirminghamEnglandConfirmedDr. Ewen GriffithsSalford GroupGreater ManchesterEnglandConfirmedDr. Jav SultanRoyal Victoria InfirmaryNewcastle-upon-TyneEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Alex PhillipsImperial College LondonLondonEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Magnus NilssonLilleFranceConfirmedProf. Guillaume Piessen	Christchurch Hospital	Christchurch	New Zealand	Confirmed	Dr. Ross Robert
Queen Elizabeth HospitalBirminghamEnglandConfirmedDr. Ewen GriffithsSalford GroupGreater ManchesterEnglandConfirmedDr. Jav SultanRoyal Victoria InfirmaryNewcastle-upon-TyneEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Bhaskar KumarImperial College LondonLondonEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Magnus NilssonLille University HospitalLilleFranceConfirmedProf. Guillaume Piessen	Dunedin Hospital	Dunedin	New Zealand	Confirmed	Dr. Sharon Pattison
Salford GroupGreater ManchesterEnglandConfirmedDr. Jav SultanRoyal Victoria InfirmaryNewcastle-upon-TyneEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Bhaskar KumarImperial College LondonLondonEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity Hospital PlymouthLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Magnus NilssonLille University HospitalLilleFranceConfirmedProf. Guillaume Piessen	Queen Elizabeth Hospital	Birmingham	England	Confirmed	Dr. Ewen Griffiths
Royal Victoria InfirmaryNewcastle-upon-TyneEnglandConfirmedDr. Alex PhillipsNorfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Bhaskar KumarImperial College LondonLondonEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity Hospital PlymouthLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Magnus NilssonLille University HospitalLilleFranceConfirmedProf. Guillaume Piessen	Salford Group	Greater Manchester	England	Confirmed	Dr. Jav Sultan
Norfolk and Norwich University HospitalNorwichEnglandConfirmedDr. Bhaskar KumarImperial College LondonLondonEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity Hospital PlymouthLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Magnus NilssonLille University HospitalLilleFranceConfirmedProf. Guillaume Piessen	Royal Victoria Infirmary	Newcastle-upon-Tyne	England	Confirmed	Dr. Alex Phillips
Imperial College LondonLondonEnglandConfirmedDr. Sheraz MarkarOxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity Hospital PlymouthLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Magnus NilssonLille University HospitalLilleFranceConfirmedProf. Guillaume Piessen	Norfolk and Norwich University Hospital	Norwich	England	Confirmed	Dr. Bhaskar Kumar
Oxford University HospitalLondonEnglandConfirmedDr. Sheraz MarkarUniversity Hospital PlymouthLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Magnus NilssonLille University HospitalLilleFranceConfirmedProf. Guillaume Piessen	Imperial College London	London	England	Confirmed	Dr. Sheraz Markar
University Hospital PlymouthLondonEnglandConfirmedDr. David ChanMercy University HospitalCork CityIrelandConfirmedDr. Thomas MurphySt James HospitalDublinIrelandConfirmedProf. John Reynolds Dr. Claire DonohoeKarolinska Comprehensive Cancer CentreStockholmSwedenConfirmedProf. Magnus NilssonLille University HospitalLilleFranceConfirmedProf. Guillaume Piessen	Oxford University Hospital	London	England	Confirmed	Dr. Sheraz Markar
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St James Hospital     Dublin     Ireland     Confirmed     Prof. John Reynolds       Karolinska Comprehensive Cancer Centre     Stockholm     Sweden     Confirmed     Prof. Magnus Nilsson       Lille University Hospital     Lille     France     Confirmed     Prof. Guillaume Piessen	Mercy University Hospital	Cork City	Ireland	Confirmed	Dr. Thomas Murphy
Karolinska Comprehensive Cancer Centre     Stockholm     Sweden     Confirmed     Prof. Magnus Nilsson       Lille University Hospital     Lille     France     Confirmed     Prof. Guillaume Piessen	St James Hospital	Dublin	Ireland	Confirmed	Prof. John Reynolds Dr. Claire Donohoe
Lille     France     Confirmed     Prof. Guillaume Piessen	Karolinska Comprehensive Cancer Centre	Stockholm	Sweden	Confirmed	Prof. Magnus Nilsson
	Lille University Hospital	Lille	France	Confirmed	Prof. Guillaume Piessen
Erasmus University Medical Center Rotterdam Netherlands Confirmed Prof. Bas Wijnhoven	Erasmus University Medical Center	Rotterdam	Netherlands	Confirmed	Prof. Bas Wijnhoven
Utrecht Medical Center Utrecht Utrecht Netherlands Confirmed Prof. Richard van Hillegersberg Dr. Jelle Ruurda	Utrecht Medical Center	Utrecht	Netherlands	Confirmed	Prof. Richard van Hillegersberg Dr. Jelle Ruurda

Queen Mary Hospital	Hong Kong	China	Confirmed	Prof. Simon Law
Christian Medical College	Vellore	India	Confirmed	Prof. Inian Samarasam
Sunway Medical Centre	Selangor	Malaysia	Confirmed	Dr. Ramesh Gurunathan
National University Cancer Institute	Singapore	Singapore	Confirmed	Prof. Jimmy So
University Medical Center	Ho Chi Minh City	Vietnam	Confirmed	Dr. Long Duy Vo
Toronto University Hospital	Toronto	Canada	Confirmed	Prof. Gail Darling
Montreal General Hospital	Montreal	Canada	Confirmed	Prof. Lorenzo Ferri