



The ROYAL MARSDEN
NHS Foundation Trust



Case Presentation: Gastroesophageal junctional adenocarcinoma

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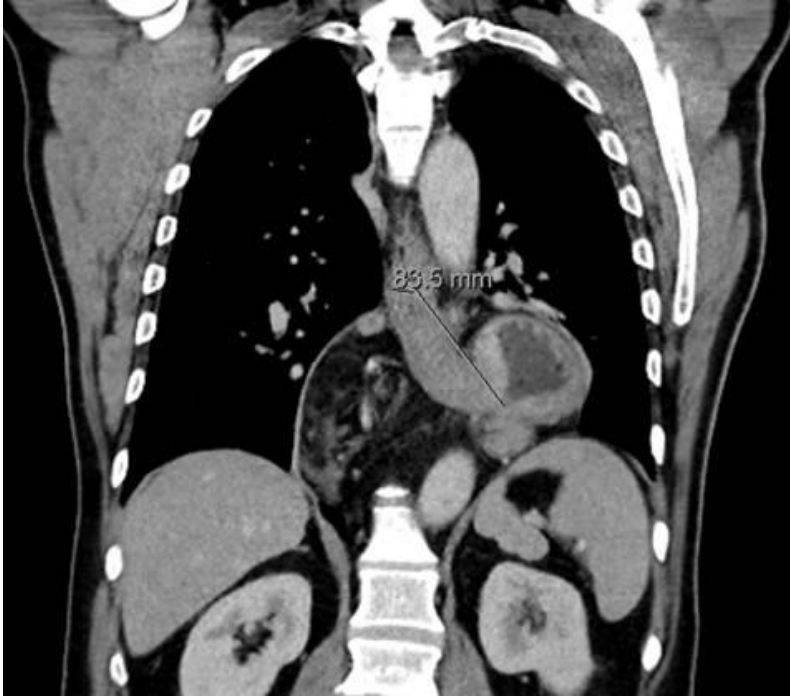


Case presentation - GEJ cancer

- 54 year old man presents with epigastric discomfort, dysphagia for 3 months and 5kg weight loss
- Endoscopy demonstrates bulky lesion at GEJ
- Biopsy consistent with moderately differentiated adenocarcinoma. HER-2 negative.
- Past medical history; smoker, hypertension
- ECOG PS = 1



Case presentation - GEJ cancer



- Bulky gastroesophageal junctional tumour
- T4N2 (possible left diaphragmatic crus invasion)



What did we do next?

- Surgery alone.
- Neoadjuvant chemoradiotherapy followed by surgery (CROSS)
- Peri-operative chemotherapy followed by surgery (MAGIC/FFCD)
- Surgery followed by chemoradiotherapy (INT 0116).
- Surgery followed by chemotherapy (CLASSIC).

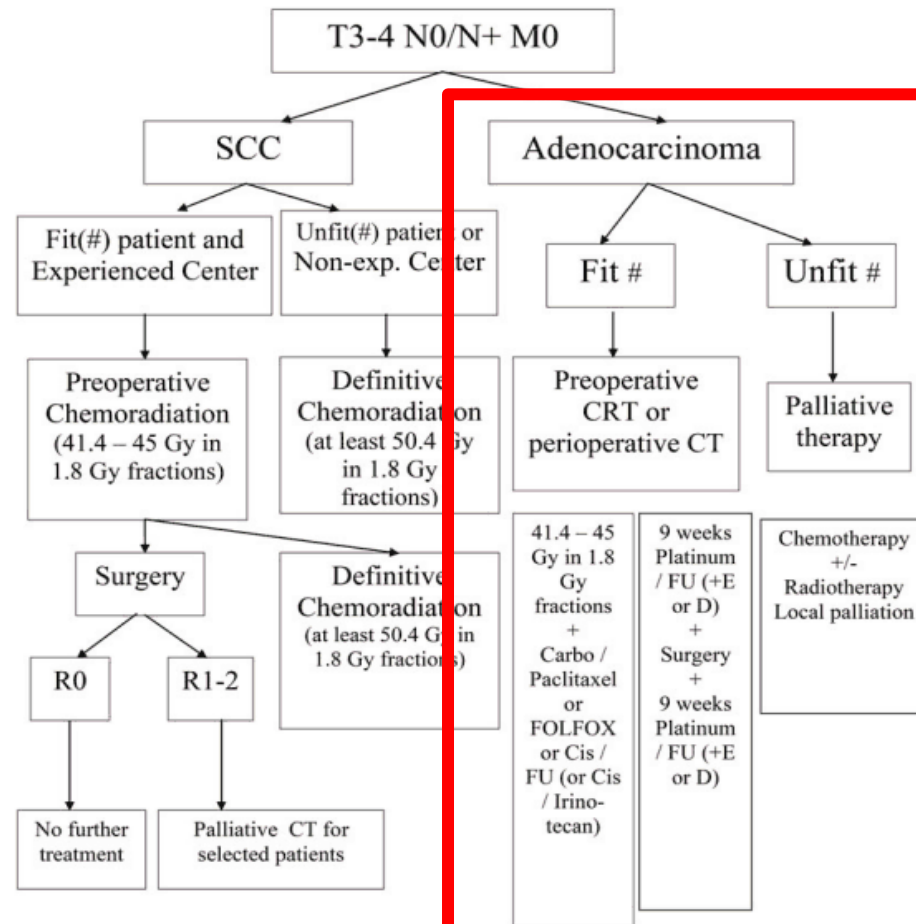


What did we do next?

- Surgery alone. No, survival ~ 20% surgery alone
- Neoadjuvant chemoradiotherapy followed by surgery (CROSS)
- Peri-operative chemotherapy followed by surgery (MAGIC/FFCD)
- Surgery followed by chemoradiotherapy (INT 0116). No, aim is R0 resection
- Surgery followed by chemotherapy (CLASSIC). No, different patient population

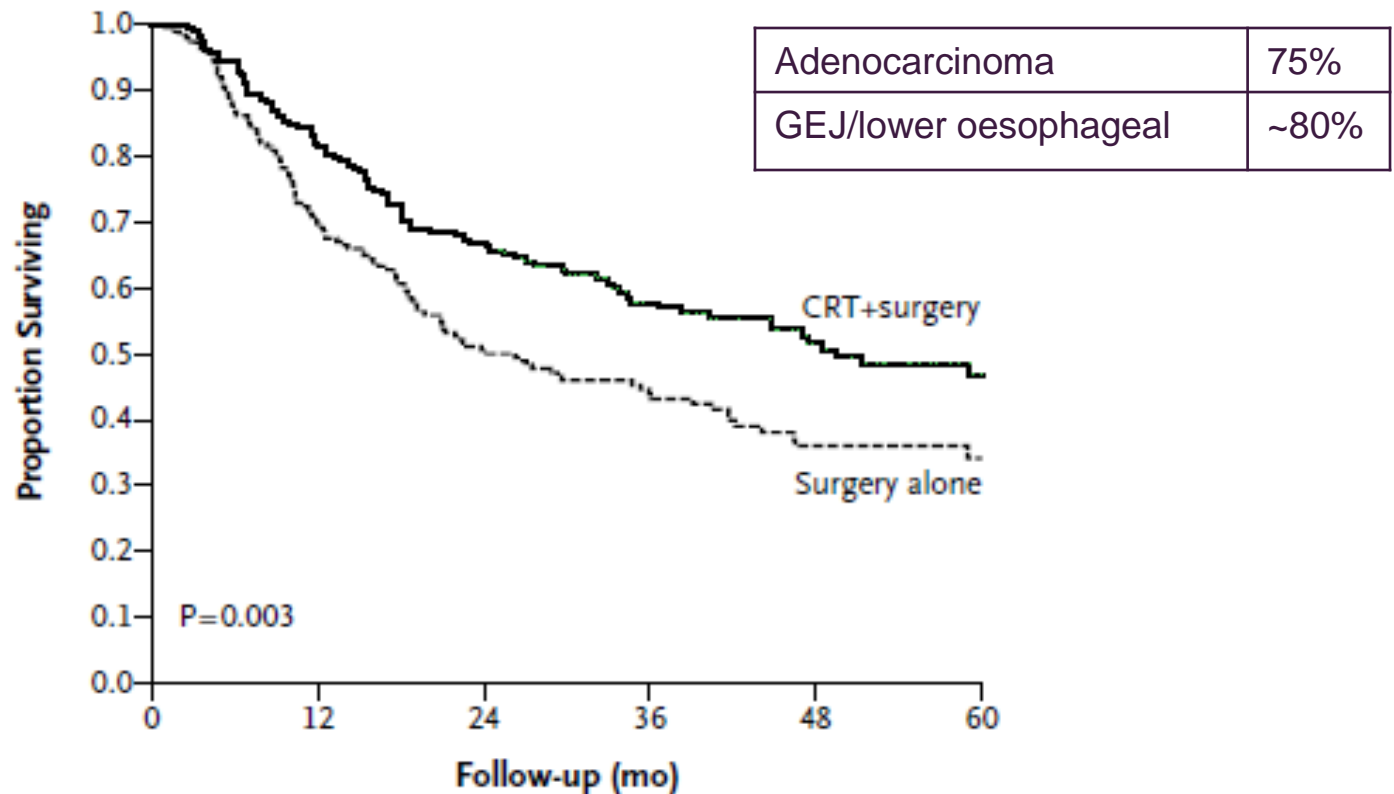


ESMO Guidelines - Locally advanced GEJ cancer



Should we consider pre-operative chemoradiotherapy for this patient? CROSS

A Survival According to Treatment Group



Survival benefit for pre-operative CRT overall

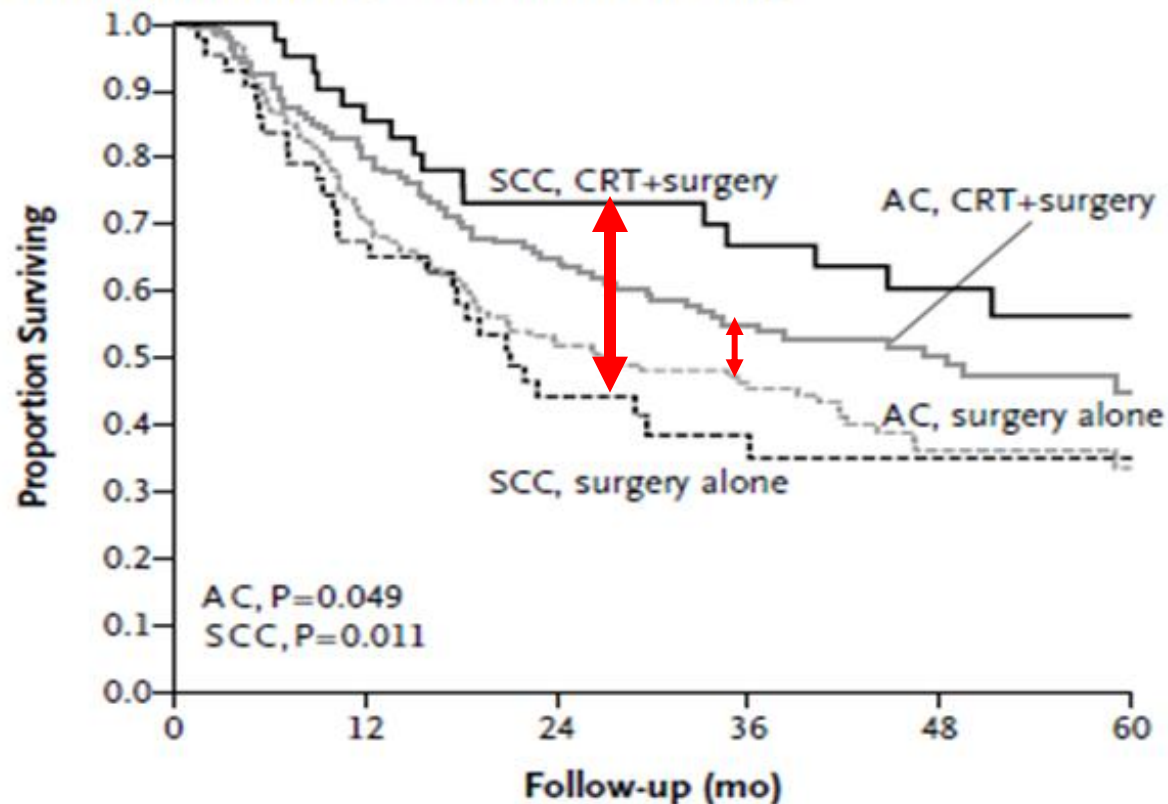
Median OS was 49.4 months with CRT+ surgery vs 24 months for surgery alone

(p = 0.003) ⇒ **This is an effective treatment option**



Should we consider pre-operative chemoradiotherapy for this patient? CROSS

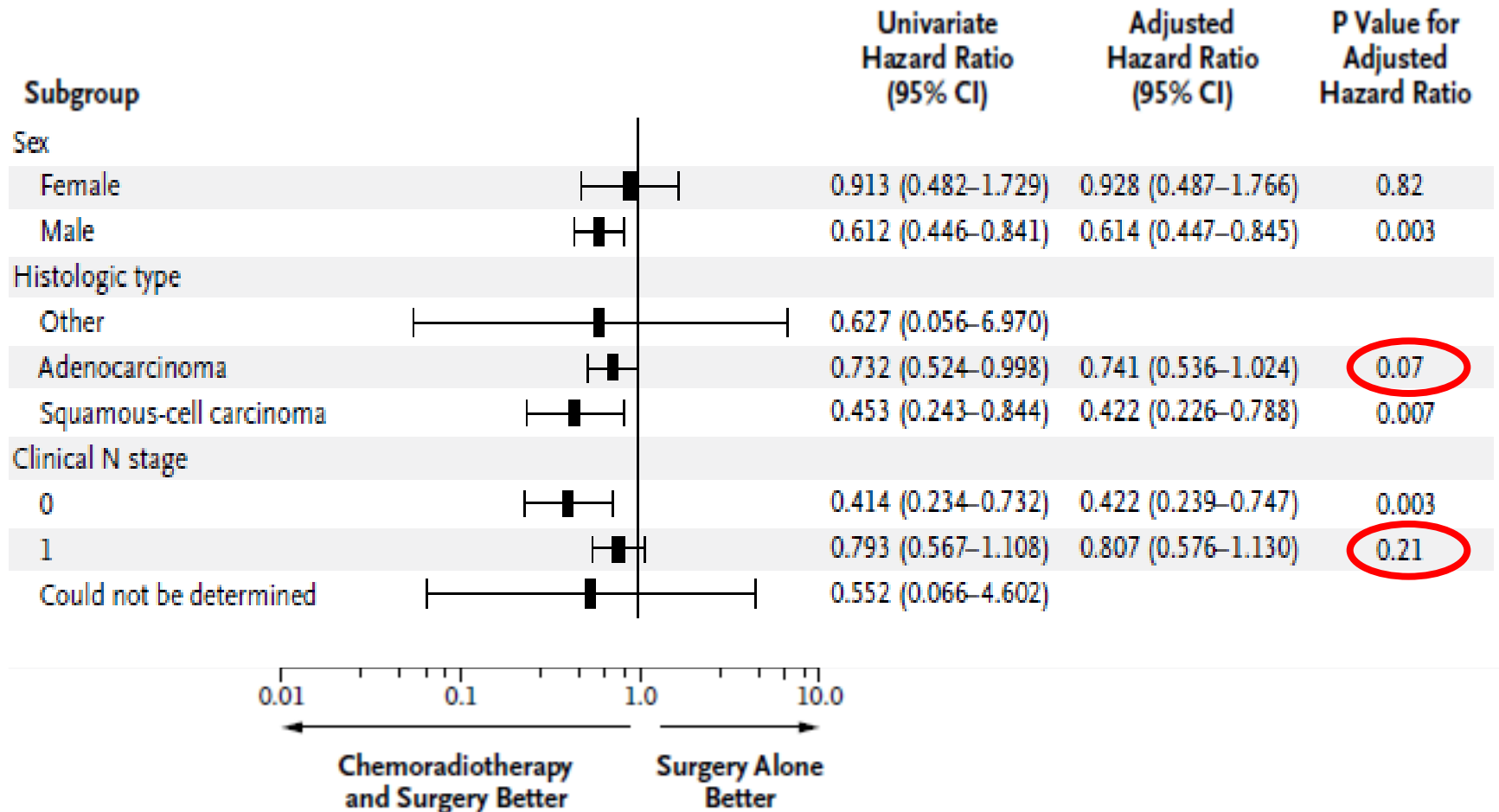
B Survival According to Tumor Type and Treatment Group



⇒ However, the survival benefit is greater in SCC

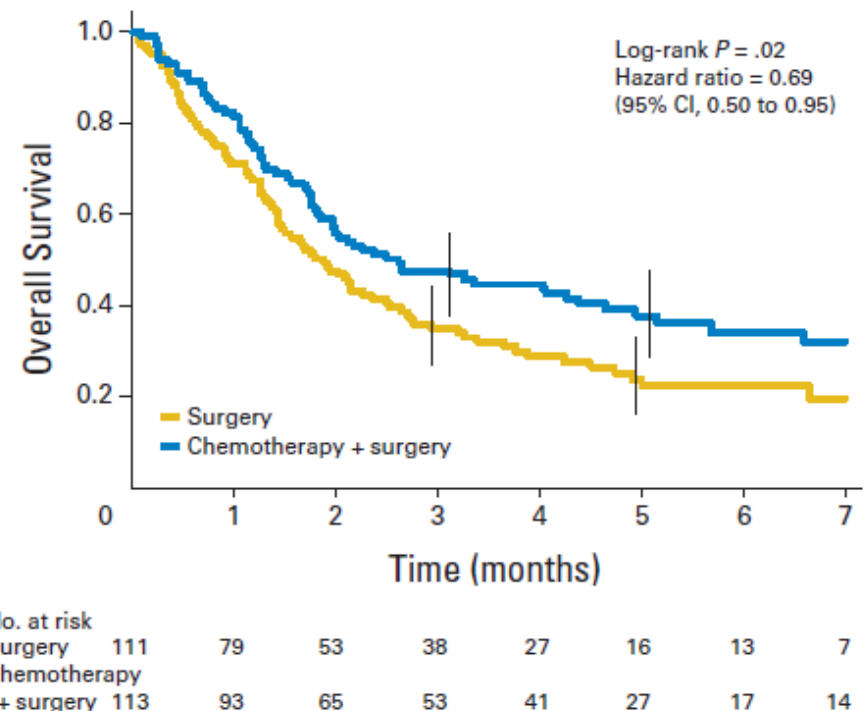
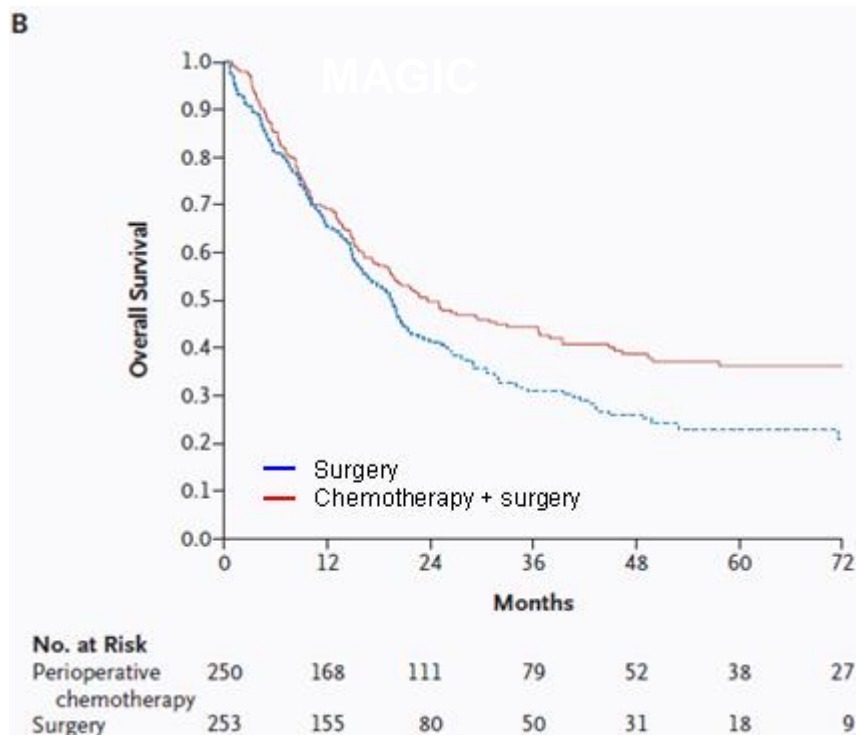
Should we consider pre-operative chemoradiotherapy for this patient? CROSS

Which patients benefit most from neoadjuvant CRT ?



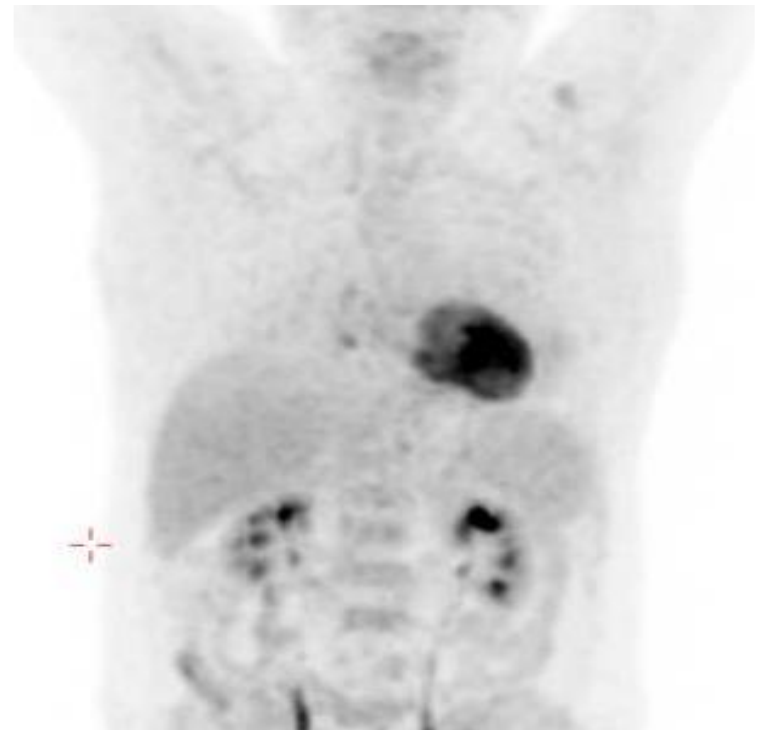
Should we consider peri-operative chemotherapy for this patient? MAGIC & FFCD

- MAGIC & FFCD trials recruited >700 patients in total established peri-operative chemotherapy as a standard in OG cancer
- Improves OS / PFS & decreases risk of death by 25%



Case presentation

- Following MDT discussion patient received peri-operative ECX chemotherapy



Following 3 cycles of ECX



Case presentation

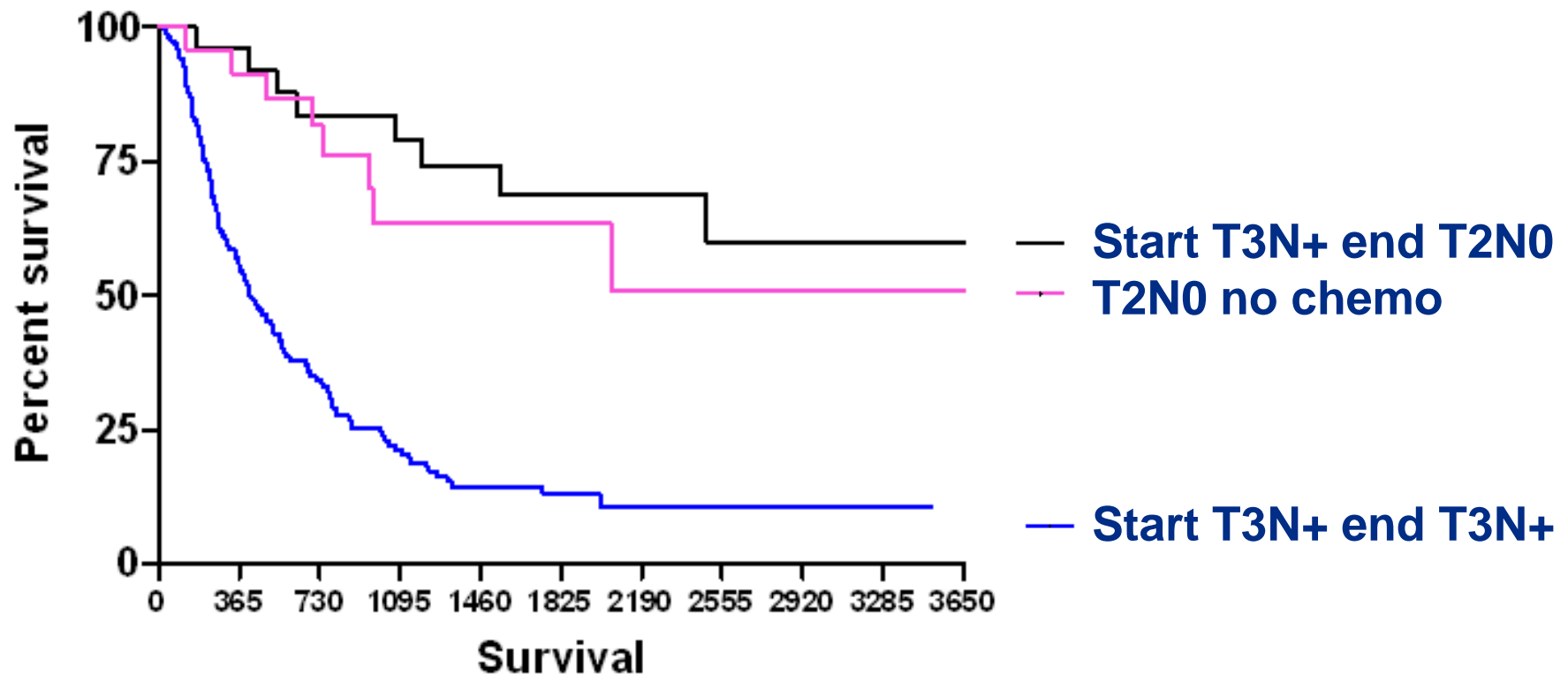
- The patient proceeded to oesophago-gastrectomy
- Histology reveals a T2N0 (0/26 LN) tumour with negative margins

What does this mean for the patient?



Survival is determined by tumour stage after neoadjuvant chemotherapy

- 665 consecutive resections at RMH and GSTT 2000-2010
- Comparison of pre-operative radiological stage to post-operative pathological stage



Summary

- 54 year old male
- Bulky gastroesophageal junction adenocarcinoma
- No metastatic disease
- Good PS



- MDT discussion
- Peri-operative chemotherapy with ECX
- Good metabolic response on PET pre-operatively
- Evidence of downstaging at surgery



Issues for discussion

1. Optimal perioperative therapy for GEJ tumours (neo-adjuvant CRT (CROSS) vs perioperative chemotherapy (MAGIC) vs others).
2. Which patients derive the most benefit from neoadjuvant chemoradiotherapy or peri-operative chemotherapy?
3. Is there a role for PET directed therapy?
4. What should we do if there is no response to pre-operative chemotherapy?



THANK YOU....

QUESTIONS?

