

Noeadjuvant chemoradiotherapy with 5-fluorouracil-cisplatin combined with cetuximab in patients with resectable locally advanced esophageal carcinoma: A prospective phase I/II trial (FFCD-PRODIGE 3)—Preliminary phase II results - Abstract #4091

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Background

Chemoradiotherapy (CRT) for locally advanced esophageal cancer is based on 5FU combined with cisplatin.

The anti-EGFR antibody cetuximab increases the efficacy of RT-based regimen for patients (pts) with cancer of the head and neck.

This phase I/II trial was evaluating MTD (data presented of the phase) I), safety and pathologic complete response (pCR) rate of the combination of cetuximab with platinum-based CRT in esophageal cancer.

Methods

ELIGIBILITY

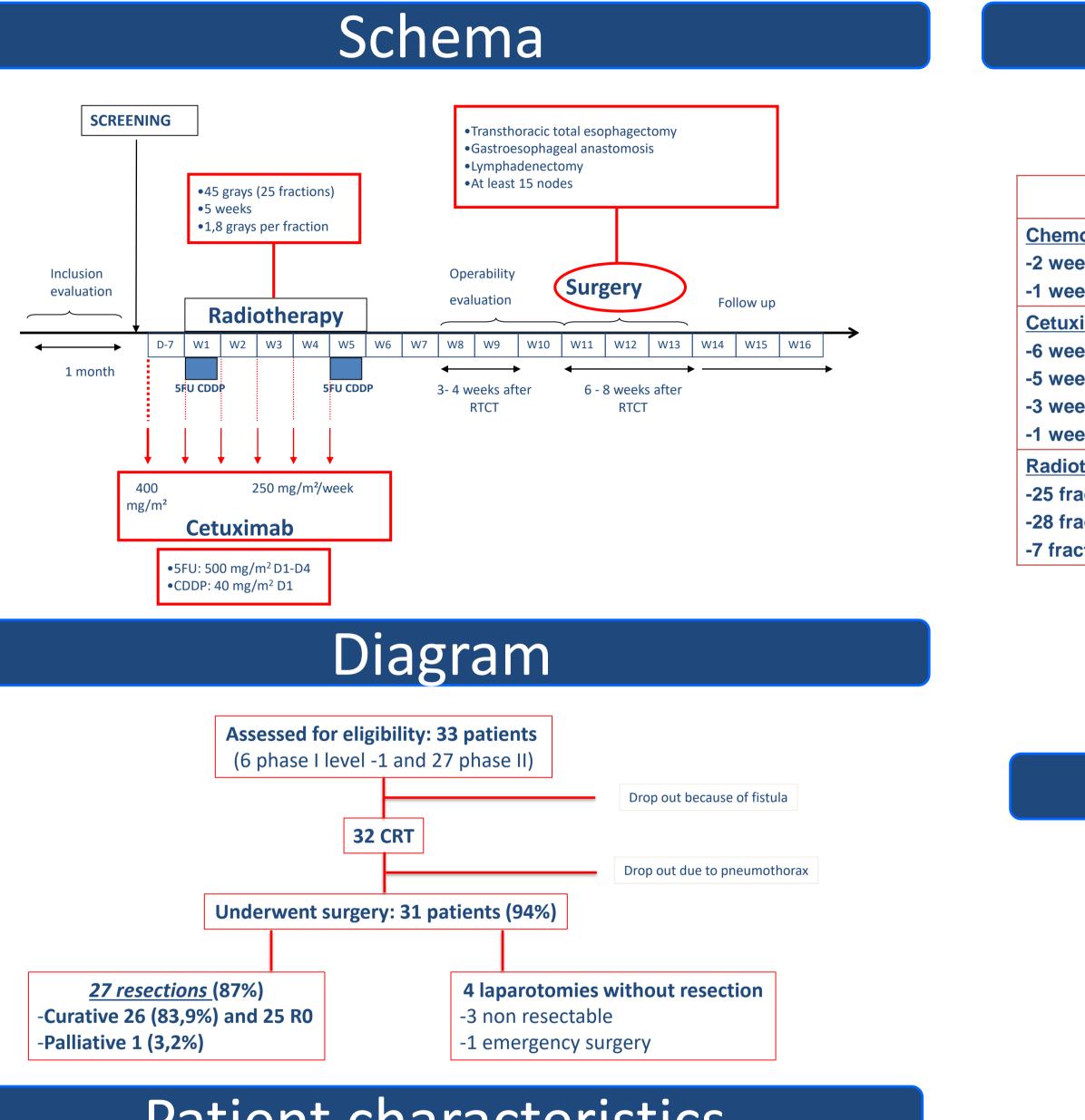
- Squamous cell or adenocarcinoma of the oesophagus or gastroesophageal junctions siewert I
- Resectable tumor
- Us T1N+, T2N0 or N+, T3N0 or N+
- WHO Performance Status 0-1 / Age 18-75 years
- ✤ Weight loss <15% in the last 6 months</p>
- No hepatopathy

STATISTICS

- Multicenter phase I/II study
- One step Flemming design
- Primary endpoint: pathologic complete response (Mandard criteria) > 20%
- Secondary endpoints
- surgical complications
- mortality
- R0 resection rate
- Overall survival, Relapse free survival, toxicity

ASSESSMENTS

- Clinical examination
- Endoscopy + biopsy
- Endoscopic ultrasonography (EUS)
- CT scan of the chest and abdomen
- Bronchoscopy



Patient characteristics

	Patient characteristics n = 33
Age (year)	60 [41-76]
<u>Sex</u> - Male	28 (84,9%)
- Female	5 (15,1%)
Performance status: - 0	21 (63,6%)
- 1	12 (36,4%)
<u>Weight loss</u> - <15%	31 (94%)
- >15%	1 (3%)
Histology - Squamous	20 (60,6%)
- Adenocarcinoma	13 (39,4%)
Classification - Stage IIa	4 (12,1%)
- Stage IIb	4 (12,1%)
- Stage III	25 (75,8%)

Treatment and CRT Toxicity

	Level -1 (n = 32)
otherapy	
eks of 5FU-CDDP	30 (94%)
ek of 5FU-CDDP	2 (6%)
<u>kimab</u>	
eks of CTX	28 (88%)
eks of CTX	2 (6%)
eks of CTX	1 (3%)
ek of CTX	1 (3%)
otherapy	
actions	30 (94)
actions	1 (3%)
ctions	1 (3%)
	•

	Maximale toxicity n = 32
Allenens	11 – 52
<u>Allergy</u>	
Grade 1, 2	0 (0%)
-Grade 3, 4	1 (3,1%)
Skin toxicity	
Grade 0	7 (21,9%)
Grade 1, 2	24 (75%)
Grade 3, 4	1 (3,1%)
Hematologic toxicity	
Grade 0, 1, 2	31 (96,9%)
Grade 3, 4	1 (3,1%)
Gastrointestinal toxicity	
Mucositis, Nausea	
Grade 0, 1, 2	31 (96,1%)
Grade 3, 4	1 (3,1%)
Oesophagitis	
Grade 0, 1, 2	28 (87,5%)
Grade 3,	3 (9,4%)
Grade 4	1 (3,1%)



Number at risk

Adding not increase pCR.

Postoperative complications

	Surgery n = 31	
Postoperative complications	15 (48,4%)	
Surgical complications	8 (25,8%)	
Anastomotic leak	3 (9,7%)	
Anastomotic leak +l aryngeal paralysis	1 (3,2%)	
Chylothorax	1 (3,2%)	
Transplant necrosis + Re-operations	1 (3,2%)	
Pleural complication	1 (3,2%)	
Pleural complication + Gastroparesis	1 (3,2%)	
Medical complications	13 (41,9%)	
Acute respiratory distress syndrome (ARDS)	8 (25,8%)	
Postoperative deaths	4 (12,9%)	
Clavien Score		
-grade 4	4 (12,9%)	
-grade 3	0 (0%)	
-grade 2b	4 (12,9%)	
-grade 2a	3 (9,7%)	
-grade 1	4 (12,9%)	



Histopathologic response

GRT1*: 5 (18,5%) complete tumor response

- 3 ypT0N0 ; 11,1% pRC

- 2 ypT0N+

GRT2: 6 (22,2%) residual cancer cells scattered through fibrosis

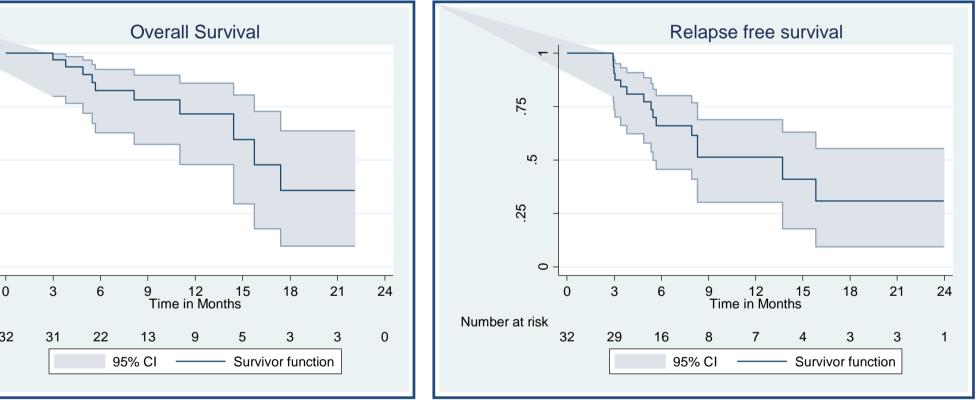
GTR3: 8 (29,6%) an increased number of residual cancer cells, with predominant fibrosis

GRT4: 6 (22,2%) residual cancer outgrowing fibrosis

*Tumor regression grade

Survivals

	Median (months)	[95% CI]	
RFS	13.7	[5.47– .]	
OS	15.7	[11.01– .]	



Conclusion

preoperative cetuximab to chemoradiotherapy including 5FU and cisplatin did

The recommended dose level of chemotherapy determined during phase I, which was dose level -1 and lower than expected, could explain those disappointing results.

We won't initiate a phase III trial.