# Phase I / II study CPT-11+UFT/LV in patients advanced Colorectal Cancer.

Osaka Gastrointestinal Cancer Chemotherapy Study Group (OGSG): Protocol 0303

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### Back grounds

Standard first-line chemotherapy in advanced/recurrent colorectal cancer is CPT-11+5-FU/LV(FOLFIRI) or I-OHP+5-FU/LV(FOLFOX).

similar and side effects is fewer to 5-FU/LV were reported. UFT/LV is more convenient than 5-FU/LV. In the future ,oral to replace 5- FU/LV The other hand, necessary to develop chemotherapy with high convenience. As for UFT/LV, the antitumor effect is lluoropyrimidine(UFT/LV,Capecitabine,etc.) will be expected

access the maximum tolerated dose(MTD) and recommend dose of CPT-11 when fixed dose UFT/LV,and to evaluate the first line chemotherapy in advanced colorectal cancer to We conducted a phase I/I study of CPT-11+UFT/LV as efficacy and the feasibility of this regimen.

# Dosage and number of patients

DPT-1 desage UPF desage / LV desage  Bowl-rin Stown-rin'-day Tem-/day  Tem-vin' Stown-rin'-day Tem-/day  E 150m-vin' Stown-rin'-day Tem-/day  150m-vin' Stown-rin'-day Tem-/day  150m-vin' Stown-rin'-day Tem-/day  150m-vin' Stown-rin'-day Tem-/day	۱				
CPT-11 desage UFT desage* Urdesage  0 20m2/mt 200m2/mt/day 75m2/day  15m2/mt 200m2/mt/day 75m2/day  100m2/mt 200m2/mt/day 75m2/day  125m2/mt 200m2/mt/day 75m2/day		75mg/day	300 mg/m²/day	150mg/m²	Level4
CPT-11 desage UFT desage* LV desage  0 50mg/m² 200mg/m²/day 75mg/day  1 75mg/m² 200mg/m²/day 75mg/day  2 100mg/m² 200mg/m²/day 75mg/day		75mg/day	300 mg/m²/day	125mg/m²	Level3
CPT-11 desage UFT desage* LV desage  DET desage Transcript  DET desa		75mg/day	300mg/m²/day	100mg/m²	Level2
CPT-11 dosage UFT dosage* LV dosage  50mg/m² 300mg/m²/day 75mg/day	3-6	75mg/day	300mg/m²/day	75mg/m²	Level1
CPT-11 dosage UFT dosage* LV dosage		75mg/day	300mg/m²/day	50mg/m²	Levelo
	No	LV dosage	UFT dosage*	CPT-11 dosage	Level

### Schedule for dose levels

22/3 cases or 2/6 cases	1/6cases	1/3cases	0/3cases	Numbers of DLT
MTD No more patients are added	Progress to next dose level.	Addition of up to 3 pts. at the same dose level.	Progress to next dose level.	Schedule

### Treatment schedule of CPT-11+UFT/LV

Objectives

Objectives and endpoints

To estimate the maximum tolerated dose (MTD) and recommended dose (RD) of CPT-11, when administered in combination with fixed dose UFT/LV for the treatment of advanced colorectal cancer

Endpoints

Primary endpoint

: safety and adverse events

Secondary endpoint : antitumor effect

1 course	UFT/LV 21days (P.O)	•	Day 1 15 21
V			28(

over 2 courses. 4~5weeks (28~35days) of 1course, repeated

### Metastatic sites liver/lung/LN/other Prior treatment non/surg/surg+chemo History Age (years) Sex Initial/recurrence/

unknown wel/mod/por/muc/

1/9/4 5/7/1/0/1

10/4/3/2

	5	9	3	Level 1 (n=3)	5	100	5	Level 2 (n=3)	level 3 (n=3)	8	3	3	6	Level 4 (n=5)	5	8
ade	_	2	w	4	_	2 3	w	4	_	2	w	4	_	2	ω	4
irrhea				1		_			_				2		_	
dominal pain						_							2			
omatitis	_															
prexis	2	_			_				_				_		-	
Liton	_				2								ω	-		
miting					_									-		
opecia	_												ω			
tigue	2				_				_					-		
nstipation		-												-		
T/ALT 1									_							
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8 7 ≥

# **Summary of DLT**

Patient characteristics

M/F Median

9/5

10/4

61.0 (48-70)

7/4/3

4	ω	2	_	Level
150	125	100	75	CPT-11 dosage (mg/m²)
#4-3 Diarrhea (G3) #4-5 Fatigue (G3)	Non	Non	Non	DLT

# Non-hematological toxicities (1st course)

Lent 2 (n=2) Israel 3 (n=1) 1 2 3 4 1 2 3 1 1 2 3 1 1 2 3 1 1 2 3 1 1 1 1 1	wall (r=2)	
	beel 3 (n = 3)   1   2   3   4   1	beel 3 (n = 3)   1   2   3   4   1
2 3 G		

			2										
6	_			_	2	_		_	2				
Level 1 (n=3)	N				_					_			
3	w												
3)	4												
5	_				_	2	_		_				
Level 2 (n=3)	2	_	_										
3	ω												
3)	4												
iev	_	_			_				_		_		
level 3 (n=3)	2											-	
5	w												
ڦ	4												
6	_	2	2		_	ω		ω				_	_
Level 4	2					-	-		-	-			
4 (n=5)	ω	_			-								
8	4												

### Response

4	ω	10	٦	Level
150	125	100	75	CPT-11 dosage(mg/m²)
0	0	-	0	SR
ω	2	0	2	PR
2	_	-	_	S
0	0	_	0	B
0	0	0	0	Z.
60.0	66.7	33.3	66.7	(%) RR
	0 3 2 0 0	0 2 1 0 0	0 1 0 0 0 0 0	0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

### Definitions of dose limiting toxicity (DLT) and critical toxicity

Histologically confirmed colorectal cancer
At least one measurable or evaluable lesion

Inclusion criteria

No previous chemotherapy for advanced or recurrent disease

(at least 6months after finishing postoperative adjuvant chemotherapy)

No previous radiotherapy

Age; 20 - 75

- According to NCI-CTC, DLT define as follows;
- Grade 4 leukopenia, neutropenia
- Grade 3 thrombocytopenia and Grade 3 non-hematologic toxicity (except nausea and vomiting)
- Critical toxicity define as follows; Cannot administering CPT-11 of day15 of the first

Adequate organ functions

① WBC: 4,000 - 12,000 imm³

② PLT ≥ 100,000 imm³

③ GOT-GPT: < ULN × 2.5

② Creatines: ≤ ULN × 2.5

② Creatines: ≤ ULN × 2.5

② Neu ≥ 2,000 /mm<sup>3</sup> ④ Hemoglobin : 9.0 g/dL ⑤ T. Bil : ≤ 1.5 mg/dL

Life expectancy ≥ 3 months

Performance status (ECOG); 0 - 1

Able to tolerate oral feeding (oral administration)

- course to day21 by the adverse event.
- (21 days) become less than 14 days by the Administering days of UFT/LV of the first course

# Hematological toxicities

(1st course)

	level .	7	ŝ	n=3)	5	Level 2 (n=3	ē,		5	Level 3 (n=3	3	3	5	0 4	3	in
Grade	-	N	ω	4	-	2	ω	4	_	2	ω	4	_	2	ω	
Hemoglobin					-					-			2	-		
RBC decrease																
Leukopenia	-									_				-		
Neutropenia		-							-	-				-		
Thrombocyto penia									-							

### Conclusion

combination chemotherapy with CPT-11 + adverse events, in the treatment of advanced outpatient basis with a low incidence of serious UFT/LV, which can be performed safely on an The present study suggests the usefulness of

analytical result, it is a report schedule when study and are analyzing details now. As for an We end the case accumulation by phase II

and intestinal obstruction
Case who presents diarrhea (watery diarrhea) Example of having symptom of brain metastasis syndrome Case who has pregnant woman, breast-feeding woman, and who has coexisting illness judged to cause important icle to examination enforcement

4. Case who has infectious disease and intestines tube paralysis

Case who has interstitial pneumonia or fibroid lung(include

**Exclusion criteria** 

previous history)

Case who has Coelomic fluid that needs treatment
Case with double cancer of briskiness. Or, the case to whom a
healthy period doesn't come up in five years even if it is different

possibility or the will to be pregnant It is a case in the past who has experienced the allergy. Case who judged it is improper to safe execution of examination