

Treatment regimens for gastric cancer with peritoneal carcinomatosis

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gastric cancer

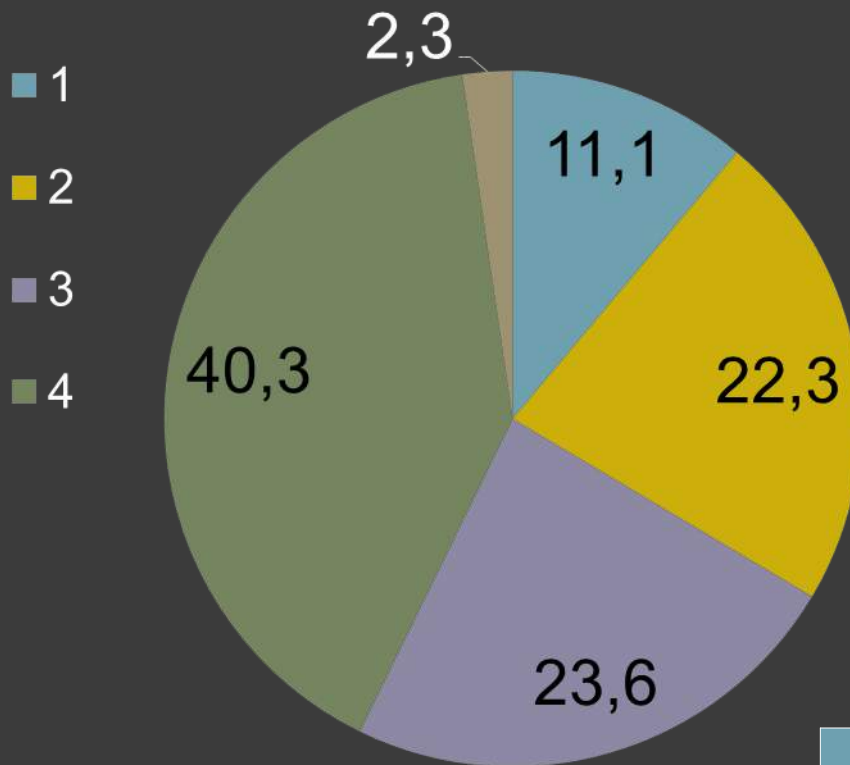
2016 RF

34 584 new cases

2016 Irkutsk region

609

Total 2366



	morbidity	mortality
M	4	2
Ж	5	3

peritoneal carcinomatosis

30-40%

Kurita A., Takashima S. et al, 1994



intraperitoneal
chemotherapy

postoperative

intraoperative



HIPEC

Ohgaki M., Imanishi T., et al. 1994

HIPEC



Y.Yonemura (1996)
Mitomycin C
Cisplatin

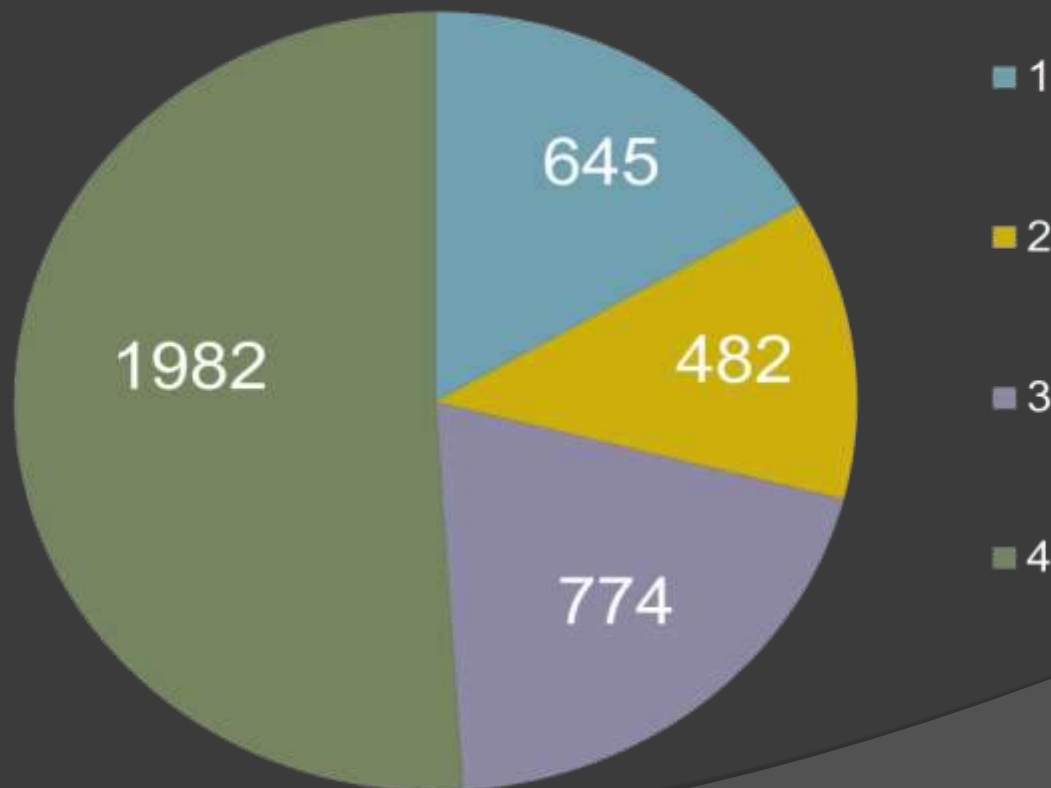
P.H.Sugarbaker (2001)
3 stage
4 stage with
palliative gastrectomy



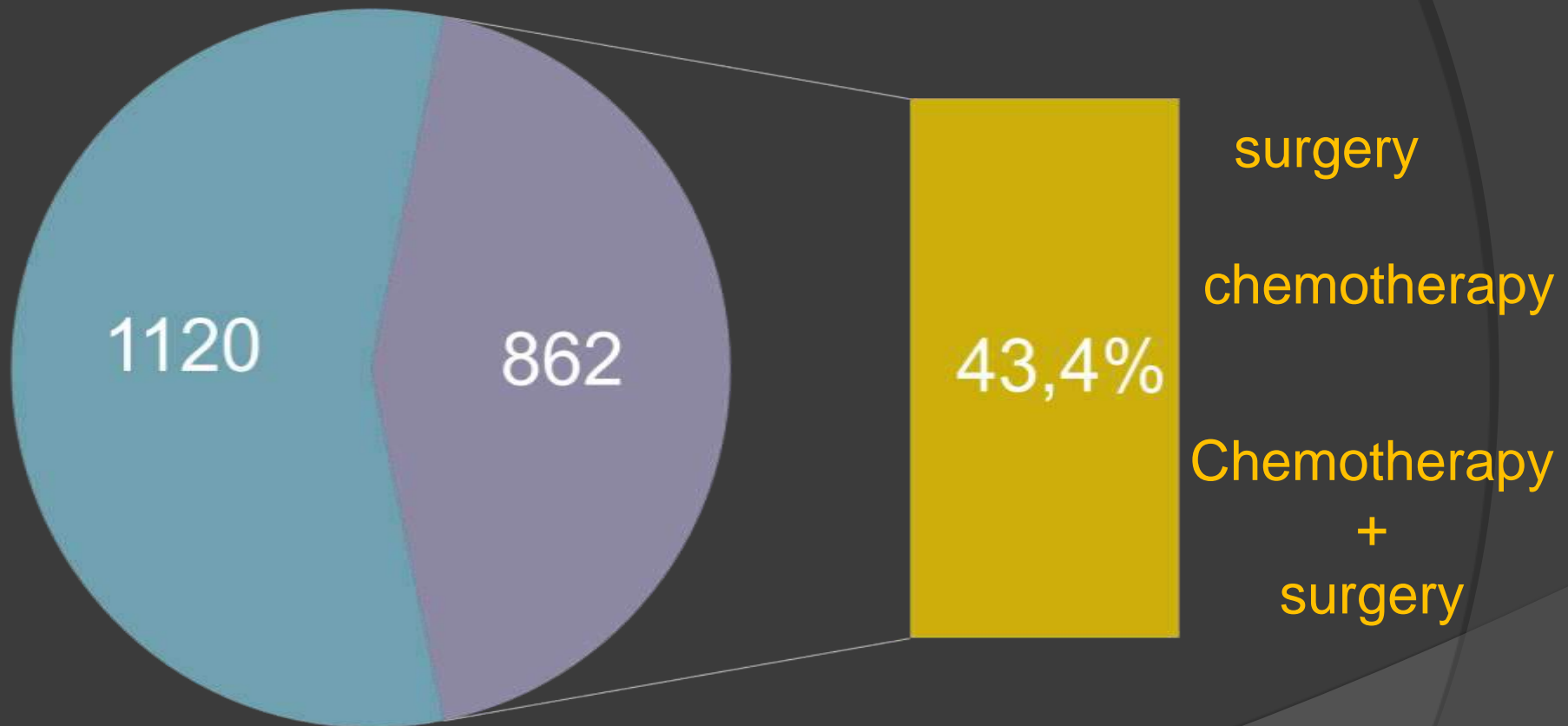
Inkster Regional Cancer Center

2001 - 2016 Total 3 883

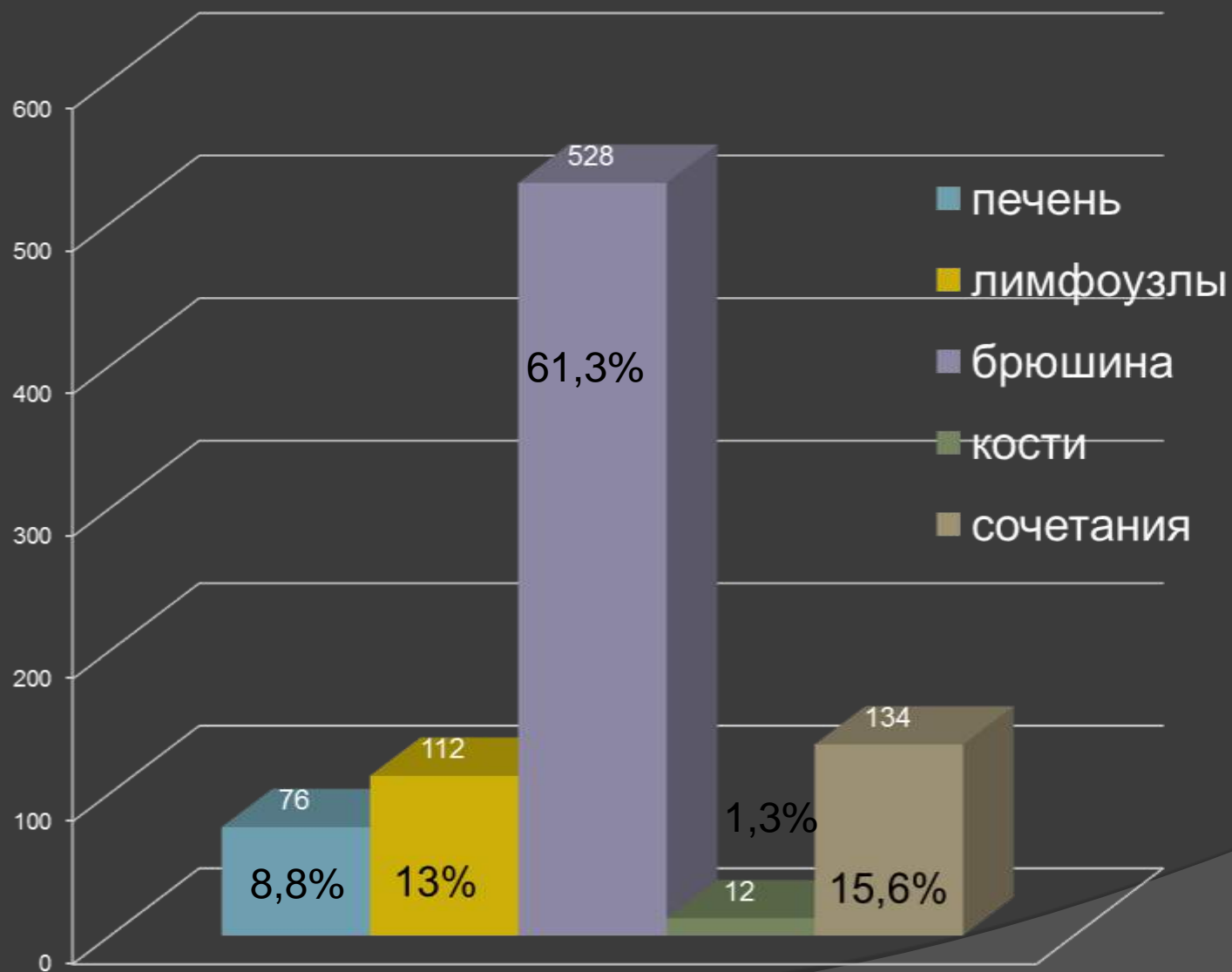
staging



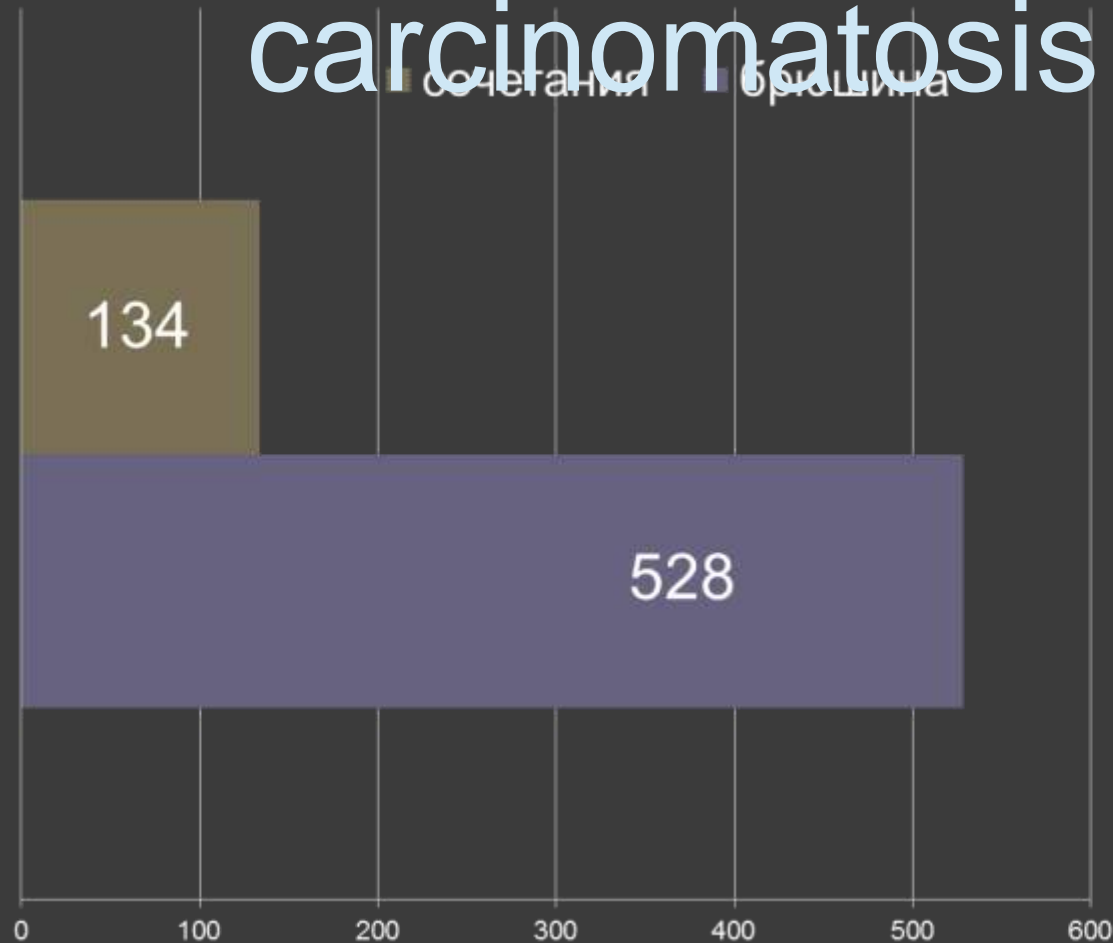
4 stage



metastasis



peritoneal carcinomatosis



DPL
10 ml/kg

research design

2001 - 2008

chemotherapy
254 patients

ECOG 0-1
168

ECOG 2-3
86

median survival
4,2 month

RF 4,6 month

research design

2009 - 2016

PCI

> 10 chemotherapy
LF, ELF

< 10

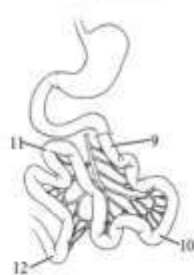
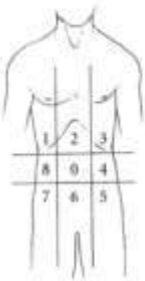
2 chemotherapy DCXF

endoscopic evaluation

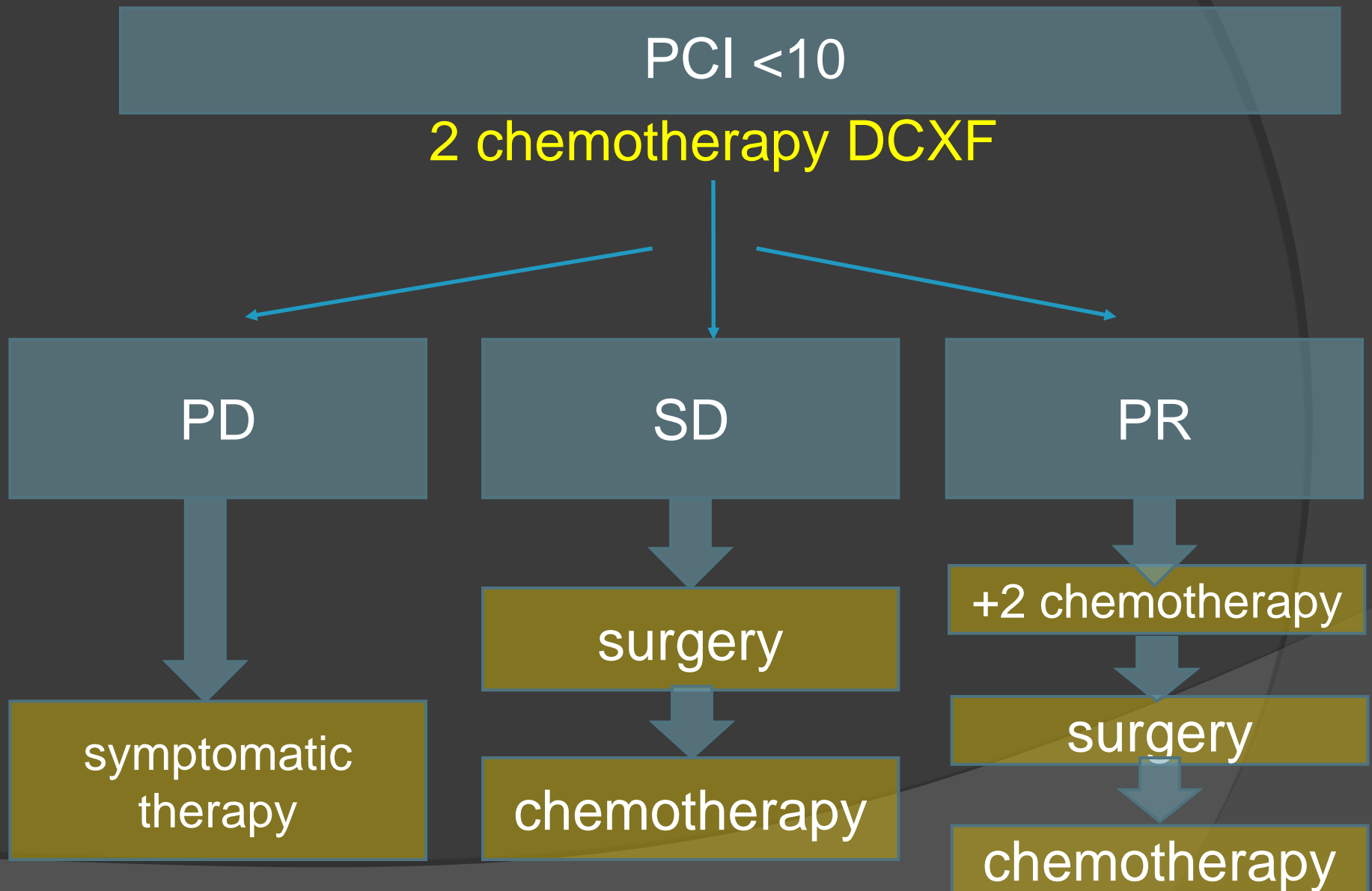
Peritoneal cancer index

Regions	Lesion size	Lesion size score
0 Central	—	LS 0 No tumor seen
1 Right upper	—	LS 1 Tumor up to 0.5 cm
2 Epigastrium	—	LS 2 Tumor up to 5 cm
3 Left upper	—	LS 3 Tumor >5 cm
4 Left flank	—	or confluence
5 Left lower	—	
6 Pelvis	—	
7 Right lower	—	
8 Right flank	—	
9 Upper jejunum	—	
10 Lower jejunum	—	
11 Upper ileum	—	
12 Lower ileum	—	

PCI



research design



results

2009 – 2016 patients 378

PCI



> 10

chemotherapy
LF, ELF

136 пациентов

median survival
4,7 month

2001 - 2008

median survival
4,2 month

results

PCI < 10 баллов – 242 patients

2 chemotherapy DCXF

PD
76

SD
98

MS
5,2 мес

surgery
69

complications 37%

mortality 4%

bed day $20 \pm 4,2$

median
survival
6,8 month

2001 - 2008

results

PCI < 10 баллов – 242 patients

2 chemotherapy DCXF

SD
98

Surgery
69

PR 68

+2 chemotherapy

surgery 45

complications 23%

mortality 2,2%

Bed day $20 \pm 4,2$

$P < 0,05$

Bed day $14 \pm 3,7$

results

3 stage
182 operations

carcinomatosis
45 operations

complications

22,5%

$P > 0,05$

23%

mortality

2,1%

$P > 0,05$

2,2%

Bed day

К/д $13 \pm 2,8$

$P > 0,05$

К/д $14 \pm 3,7$

results

PCI < 10 баллов – 242 patients

2 chemotherapy DCXF

SD
98

Surgery
69

PR 68

+2 chemotherapy

surgery 45

+2 chemotherapy

median
survival

6,8 month

$P=0,084$

10,2 month

results

PCI < 10 – 242 пациента

2 chemotherapy DCXF

2001 - 2008

chemotherapy
254

ECOG 0-1
168

PR 68

+2 chemotherapy

surgery 45

+2 chemotherapy

median
survival

5,2 month

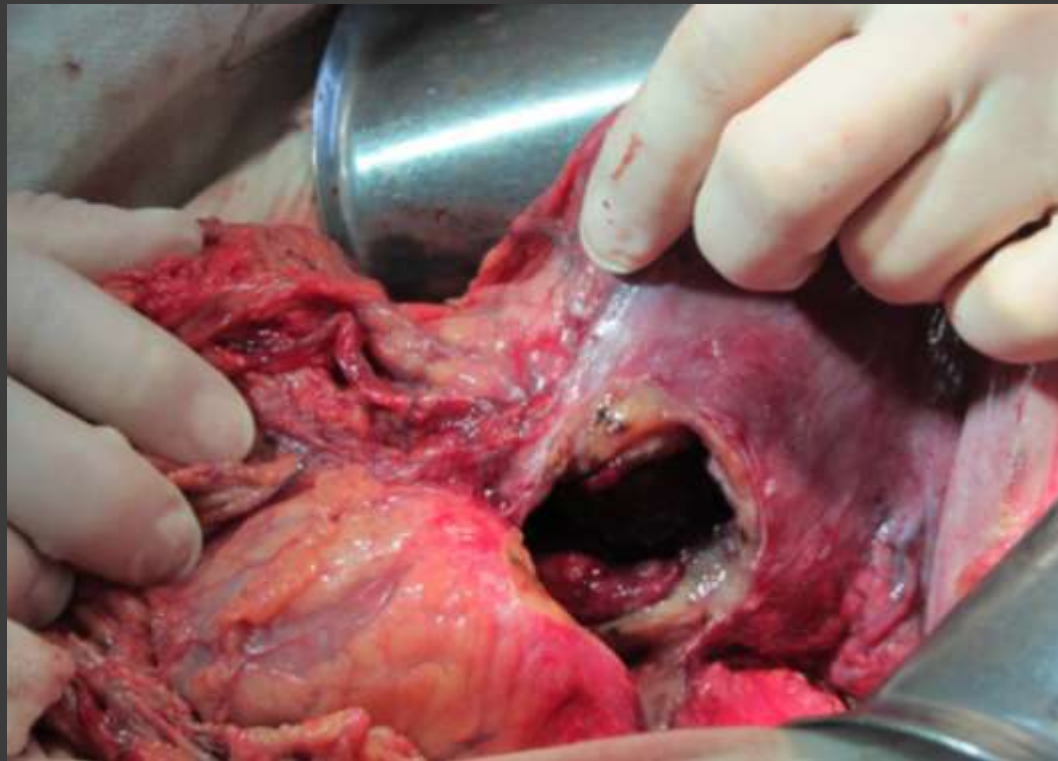
P=0,047

10,2 month

results

Elimination of surgical complications

1. Bleeding
2. Perforation
3. Stenosis



results

PCI < 10 баллов – 242 patients

2 chemotherapy DCXF

PR 68

+2 chemotherapy

+ 2-4 chemotherapy
23 patients

Surgery 45
+2 chemotherapy

median survival

9,2 month

$P > 0,05$

10,2 month

conclusions

1. ECOG 0-1
2. PCI < 10 or CY1
3. Endoscopic regression of tumor after 2 courses of chemotherapy

Thank you for your
attention