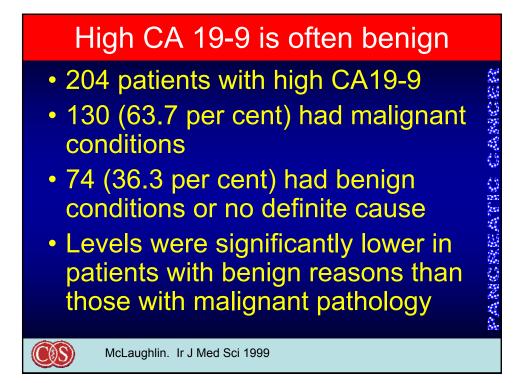
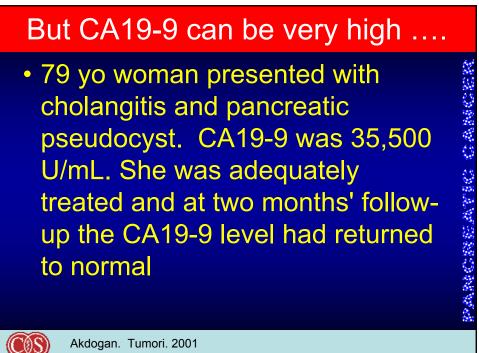
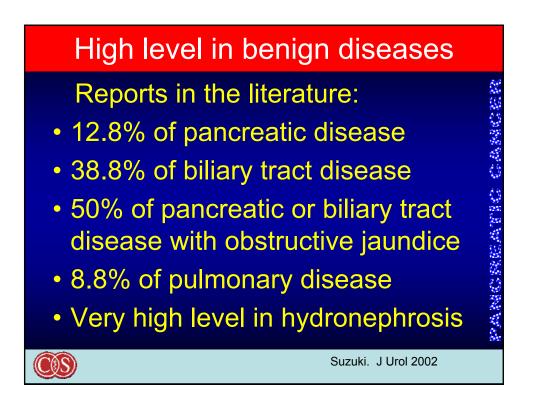


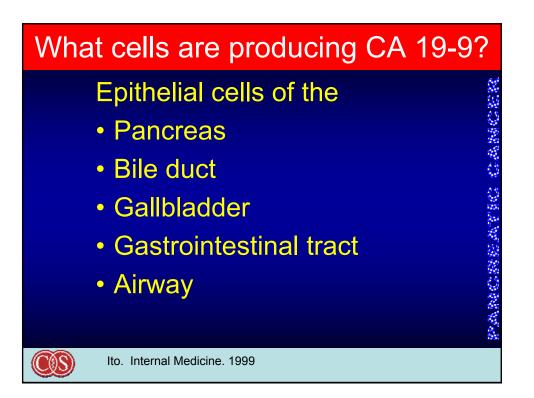
Serum markers as screening tests							
Serum marker	Sensitivity	Specificity	<u>82</u>				
CA 19-9	70–90	90					
CEA	16–92	49–93					
CA 50	65–90	58–73	1				
CA-72-4		<u> </u>	- 				
CA-242	57–83	79–90					
CA125	45–60	76–86					
CA-195	89	73					
Tissue polypeptide sp ag	50–98	22–97	Ö				
TIMP-1	60–99	60–99					
Span-1	50–87	50–90	1				
Pappas. Gastro Clinics 200	07						

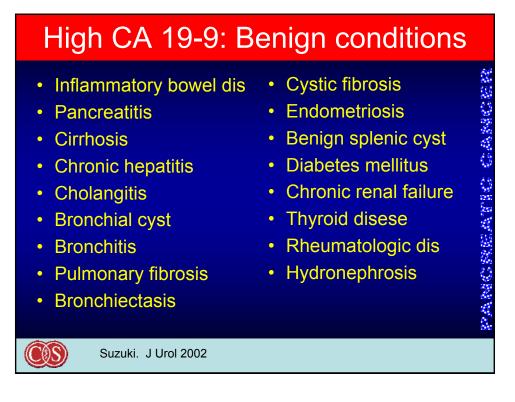


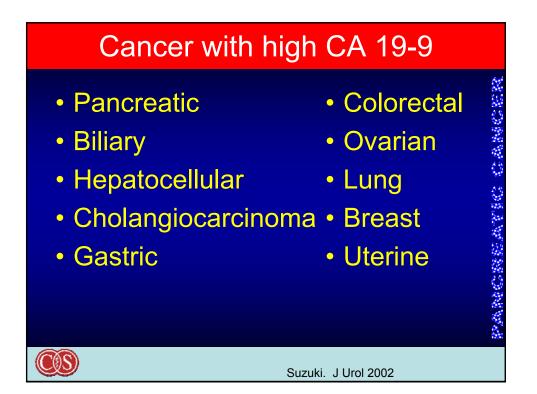


Akdogan. Tumori. 2001





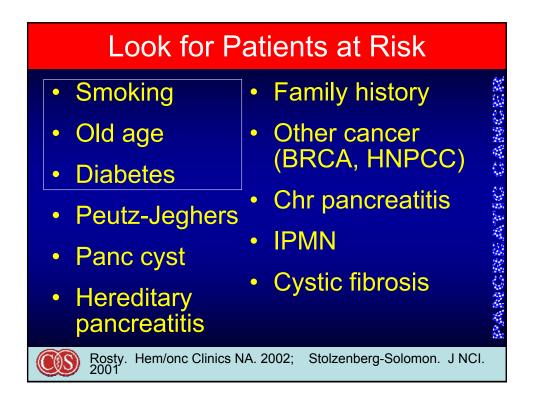


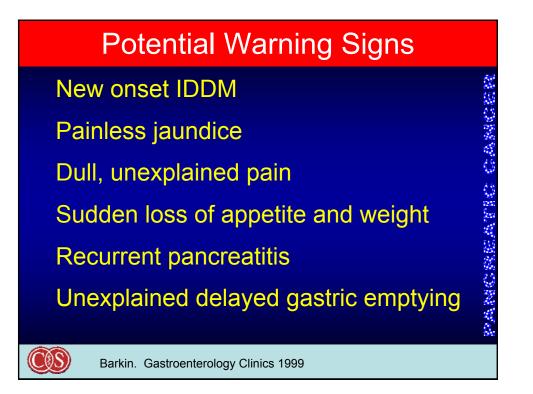


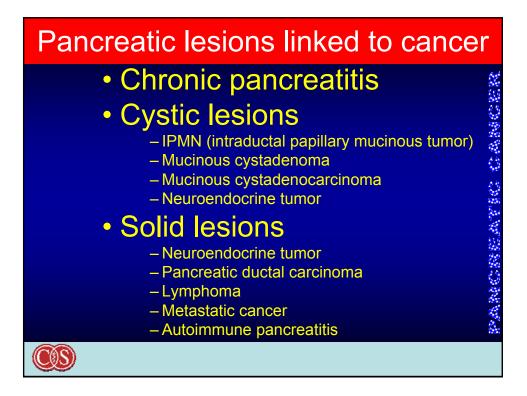


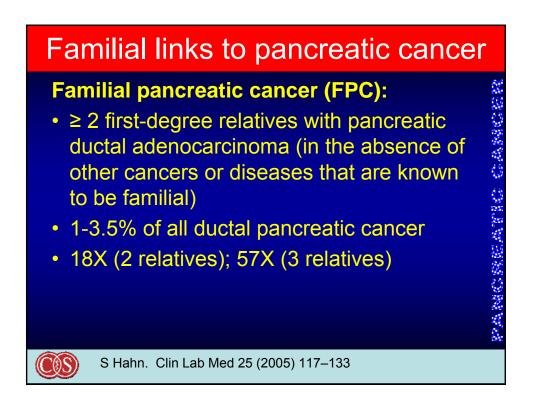
- CA 19-9 is rarely elevated in health, but can occur in a variety of benign conditions
- Using CA 19-9 to screen for pancreatic cancer is rarely useful or reliable

COS

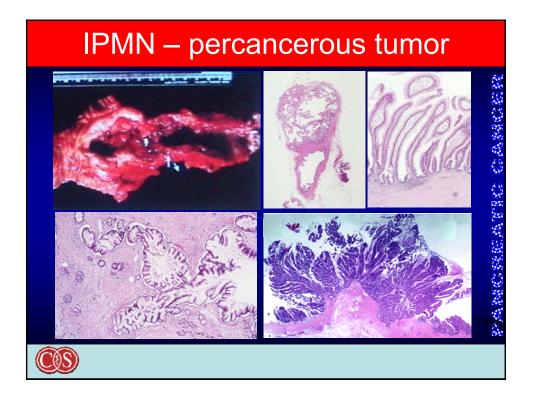


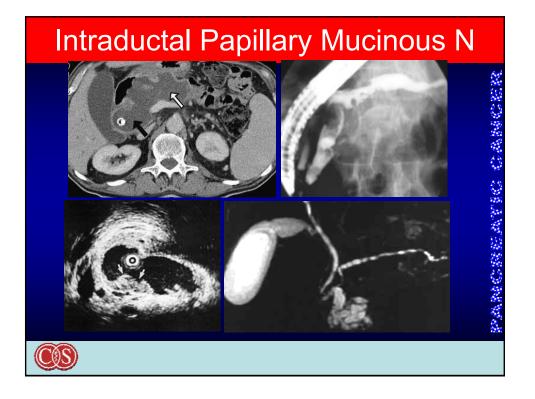


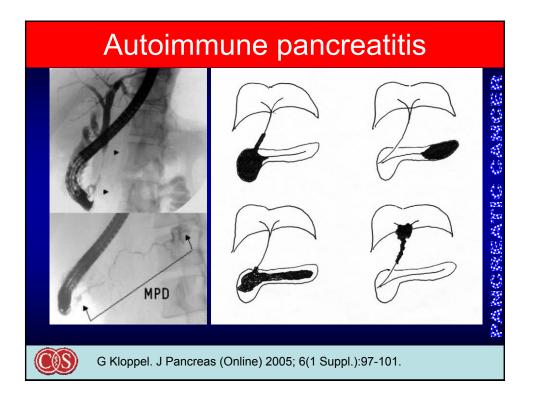


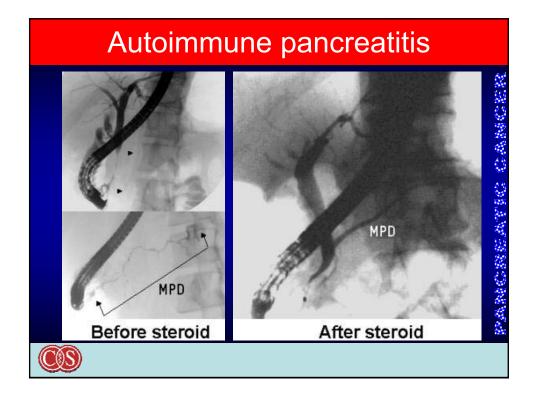


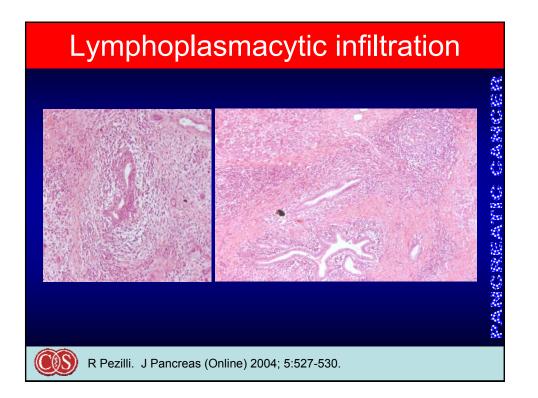
	IPMN	
	Fish mouth papillary orifice	22
per .	Early lesions are flat	NO
0.	Profuse mucin production	C.A.
	Mistaken as chronic pancreatitis	NTRC: 1
	Premalignant	2 EC /2
	Indistinguishable from ductal pancreatic cancer	PANCE
CIS		

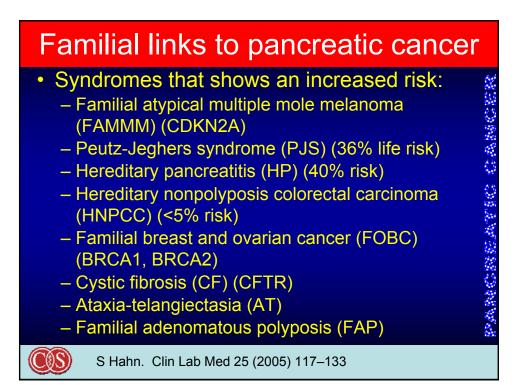


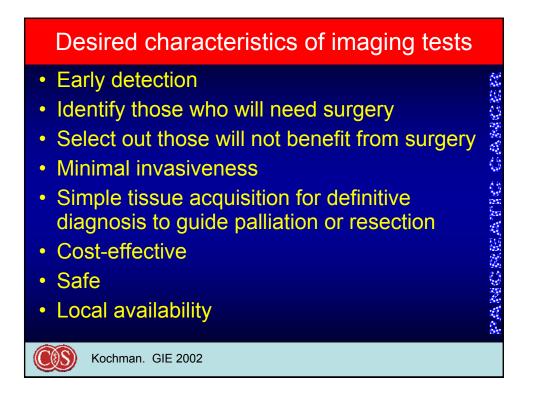


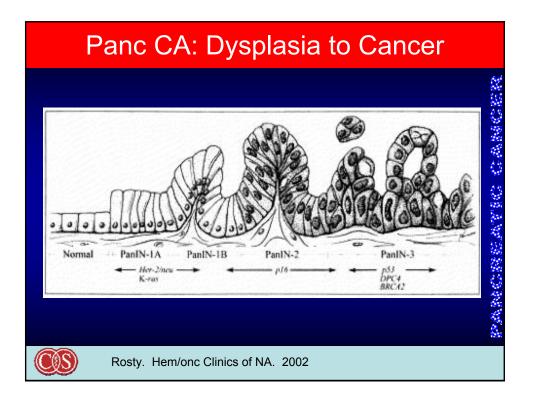


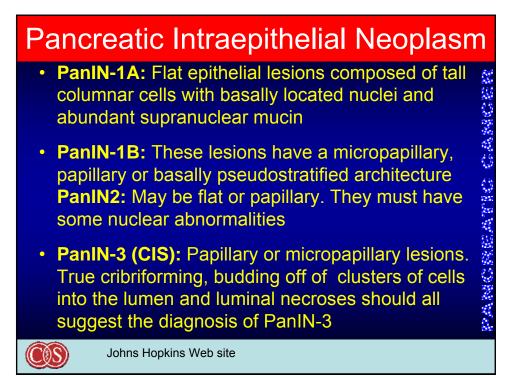


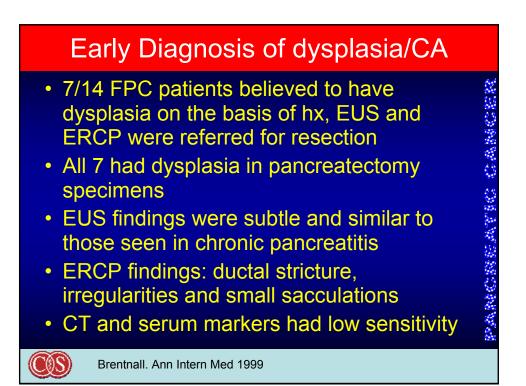


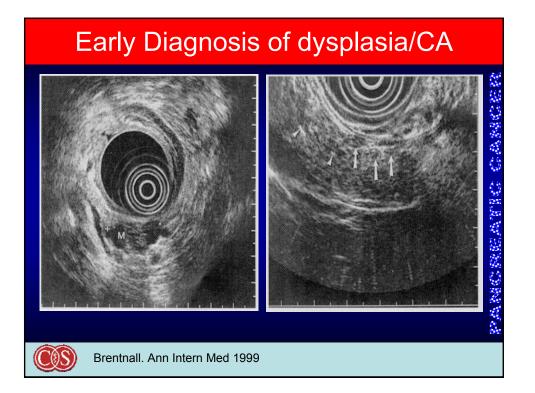


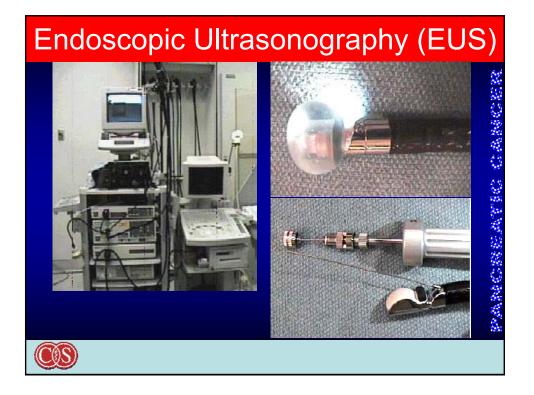


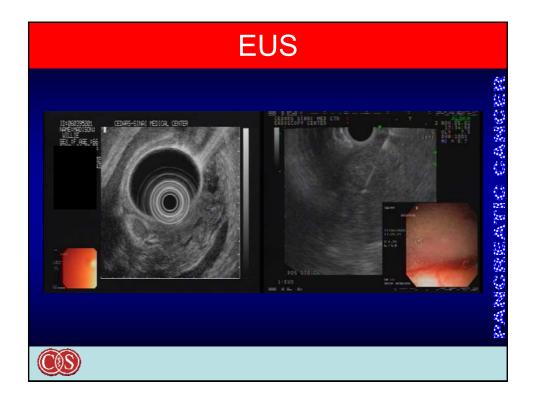


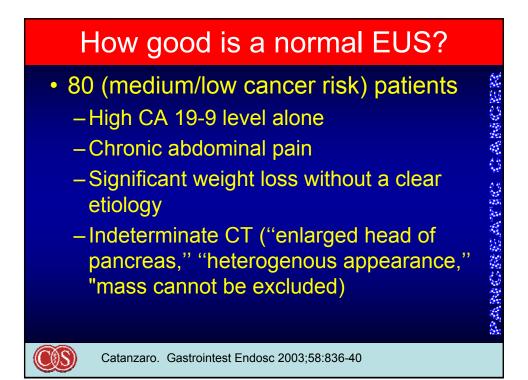


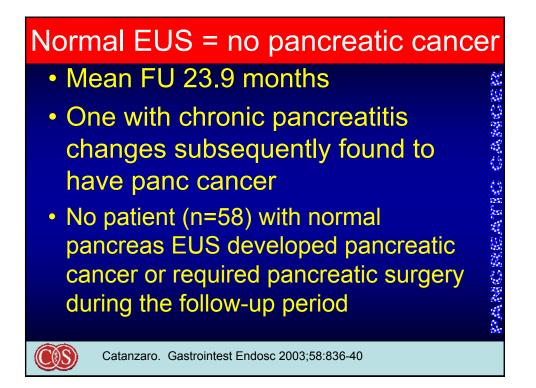


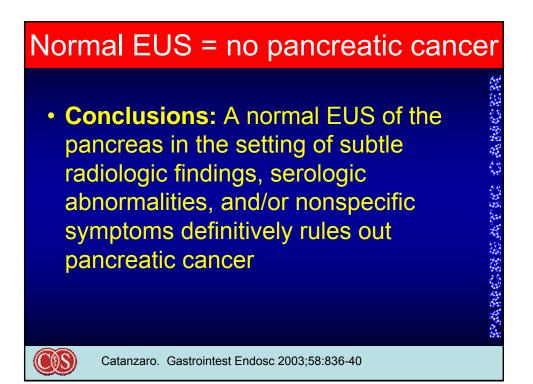


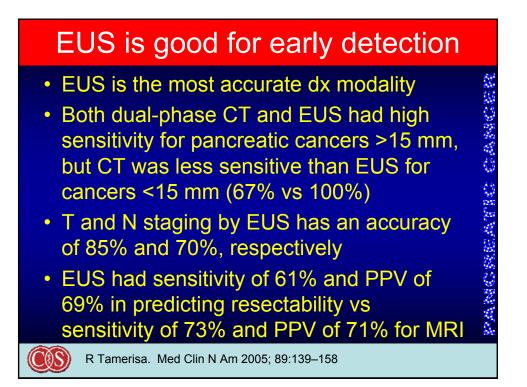


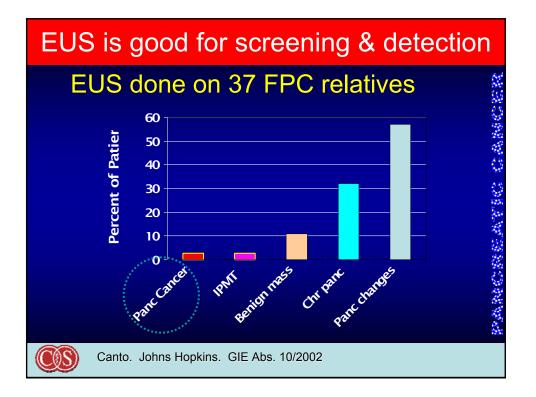


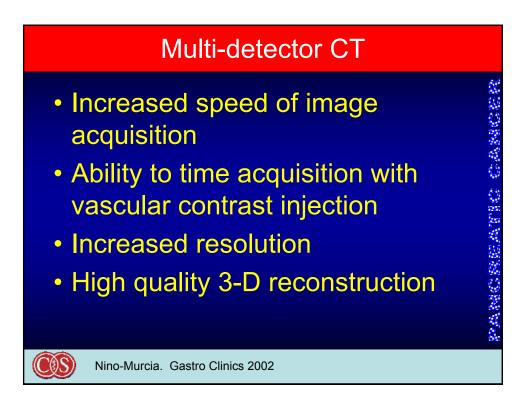


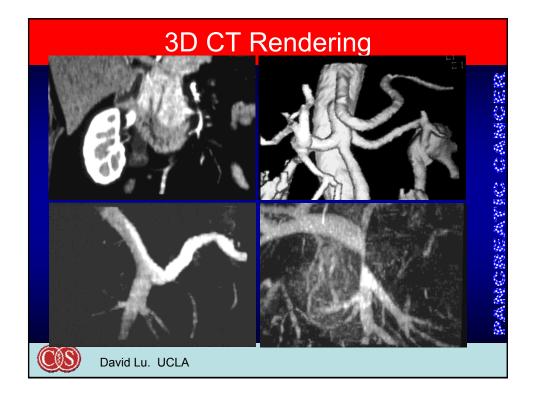










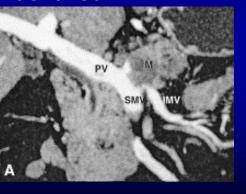


Multi-detector CT



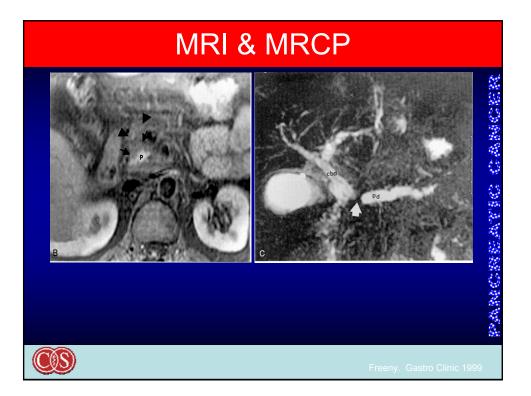
Vascular involvement can be readily identified

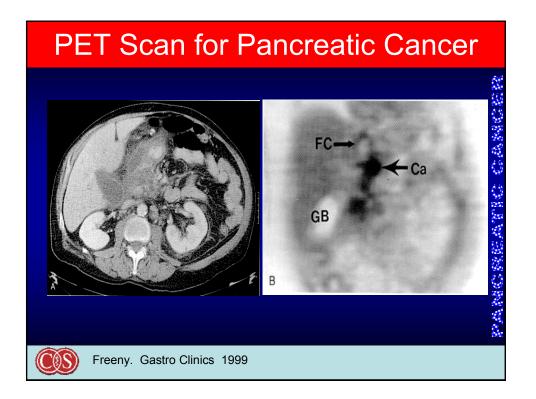
01112

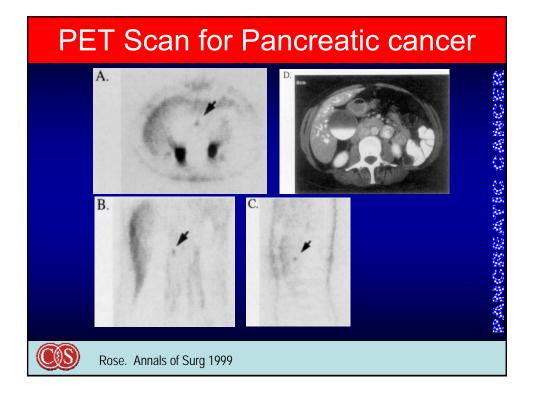




Nino-Murcia. Gastro Clinics 2002

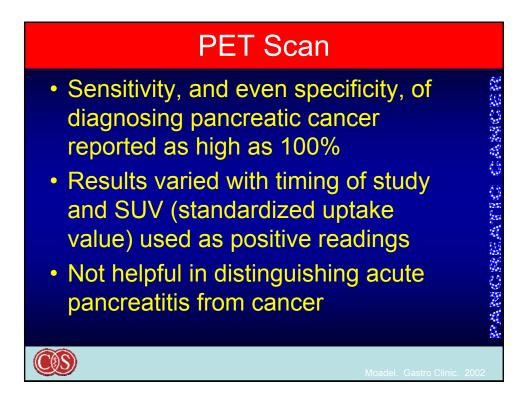




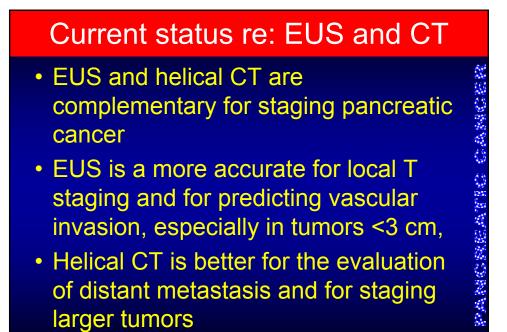


PET for Pancreatic Cancer									
Author	Year	Total	Malig. (%)	Sens (%)	Spec (%) 🙎				
Bares	1994	40	27 (68%)	92	85				
Stollfuss	1995	73	43 (59%)	93	93 🕺				
Friess	1995	80	48 (60%)	94	88				
Kato	1995	24	15 (63%)	93	78				
Inokuma	1995	46	35 (76%)	94	82				
Но	1996	14	8 (57%)	100	67 🧉				
Zimny	1997	106	74 (70%)	85	84				
Imdahl	1998	48	27 (56%)	96	100 🔮				
Clark	1998	30	22 (73%)	82	75 🏅				
Rose	1998	65	52 (80%)	92	85 👗				
Rose. Annals of Surg 1999									

	PET vs CT for Pancreatic cancer							
Sensitivity Stratified by Tumor Diameter								
	Tumor Diameter	n	СТ	¹⁸ FDG-PET				
	2.0 cm	14	18%	100%				
	2.1-4.0 cm	15	76%	90%				
	>4.0 cm	20	100%	92%				
	Rose. Annals of Surg 199	9						



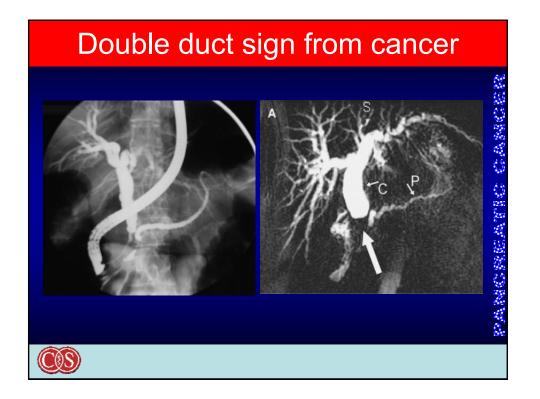
EUS vs CT for pancreatic cancer									
	Detec	tion	Accuracy - resectability		Sens vas. invasion		CER		
Series	EUS	СТ	EUS	СТ	EUS	СТ	A NA C		
Legmann	27/27	25/27	20/22	19/22	6/7	7/7	Ċ		
Midwinter	33/34	26/34	25/30	23/30	13/16	9/16	100		
Tierney			30/31	25/31	16/16	10/16			
Mertz	29/31	16/31	16/16	13/16	6/6	3/6			
Total	97%	73%	91%	83%	91%	64%	28		
<i>p</i> Value*	<0.001		0.02		<0.001		2		
Hunt. GIE 2002									

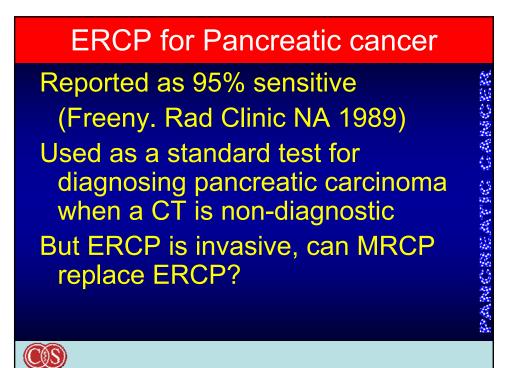


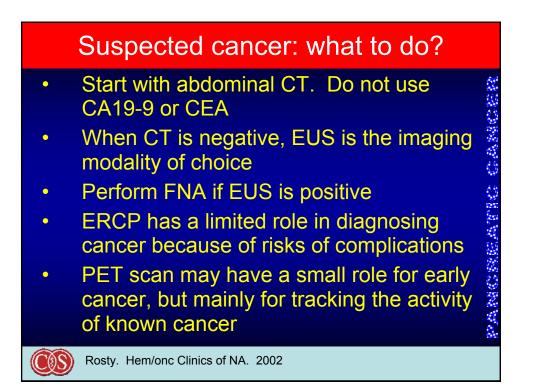
COS

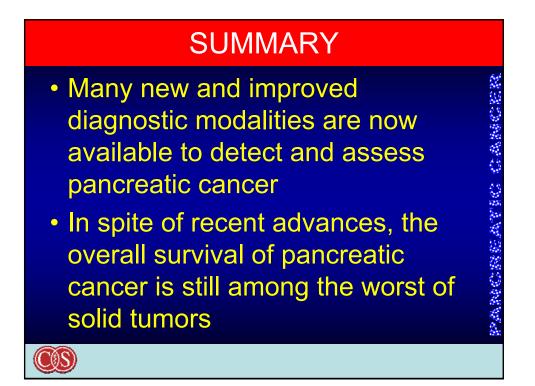
Varadarajulu. Surg Clinic NA 2010

CT and EUS can be used together								
Criterion	n	p^{a}	Sensitivit	y (%)	Specificity (%	PPV (%)	NPV (%)	
Vascular abutment, CT16 <0.001 94744498Adenopathy >1 cm, CT29 <0.001 76746980Liver lesion, CT100.0670601894Vascular abutment, EUS180.00472674288Adenopathy >1 cm, EUS130.0369643090PPV = positive predictive value, NPV = negative predictive value, RR = relative risk							THO CANCE	
b 95% CI are in parentheses Score # Rese 0 $27/29$ (1) 1 $9/21$ (4) ≥1 $17/46$ (2) 2 $2/18$ (1) ≥2 $2/22$ (9)			(57%) (63%) (89%) (91%)	Score ≥ 2 are unresectable and should consider chemotherapy			d	
Vovino. J Gastroint Surg 2007								









SUMMARY

 There is the limited possibility to detect pancreatic dysplasia, thus potentially preventing cancer in the high risk populations PANCREATIC CANCER

 Treatment options have expanded tremendously recently, along with much improved palliative modalities

CS