ESMO GUIDELINES: REAL WORLD CASES

PANCREATIC CANCER

Michel Ducreux

Chair *Gustave Roussy*





Programme

27 November	2024
10 min	Welcome and introduction Michel Ducreux
10 min	Case Presentation Ana Landa
20 min	Presentation of the ESMO Clinical Practice Guideline for Critical Analysis of the Case Berta Laquete
10 min	Considerations Related to Guideline Implementation in Everyday Clinical Practice and Discussion Gabor Liposits
10 min	Live Q&A and Discussion All speakers and Dr Eva Versteijne



Michel Ducreux

Chair Gustave Roussy



Ana Landa-Magdalena

Speaker Cancer Center Clinica Universidad de Navarra



Berta Laquente Sáez Speaker

L'Hospitalet de Llobregat Barcelona



Gabor Liposits

Speaker Western Hospital Trust



LEARNING OBJECTIVES

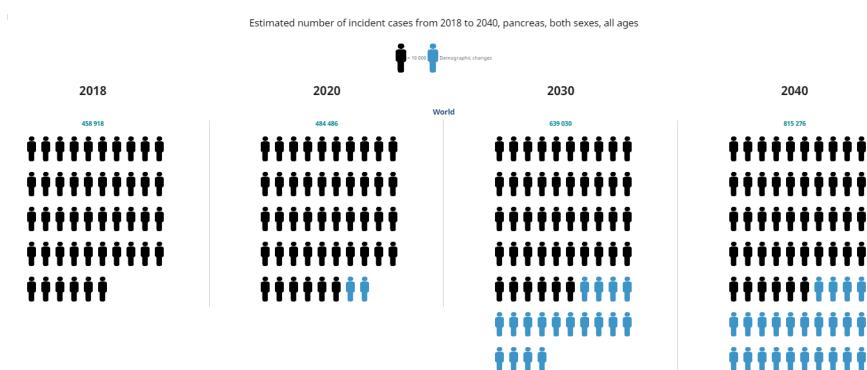
- Promote evidence-based quality cancer care by disseminating the ESMO Clinical Practice Guidelines (CPG) in the oncology community.
- Present a clinical case for each of the selected topics for discussion in the context of the ESMO CPG recommendations.
- Present and critically review the ESMO CPG recommendations for each selected cancer type.
- Discuss the case, the ESMO CPG recommendations, their impact on care and implementability in the daily practice setting under the guidance of a moderator senior expert, with participation of the guideline authors, practicing oncologists and young oncologists.
- Audit the fulfillment of the learning objectives and acceptability of the ESMO CPG recommendations by means of an online questionnaire.





PANCREATIC CANCER

A problem in terms of incidence (and mortality)







ESMO WEBINAR SERIES

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Few therapeutic advances 1L **FOLFIRINOX** [c] **PRODIGE trial** better than GEM, median OS 11.1 mo 1L Nab -P + GEM [d] 1L Erlotinib + GEM MPACT trial [b] Better than GEM, median OS 8.5 MB NCIC trial better than GEM median OS 6.24 MB 1997 2016 2019 2007 2013 2011 **POLO trial** Better than placebo 1L Gemcitabine gBRCAm & platinum sensitive [a] Olaparib [1] Better than 5-FU median OS 5.65 MB nal -IRI + 5-FU/LV [e] **NAPOLI-1** trial Better than 5-FU/LV Median OS 6.1 MB

ESMO GUIDELINES Tris HA 3rd · et al. J Clin Oncol . 1997;15:2403-2413; b. Moore MJ, et al. J Clin Oncol . 2007;25:1960-1966; c. Conroy T, et al. N Engl J Med. 2011;364:1817-1825; d. Von Hoff DD, et REAL WORLD CASES ngl J Med. 2013;369:1691-1703; e. Wang-Gillam A, et al. Lancet. 2016;387:545-557; f. Golan T, et al. N Engl J Med. 2019;381:317-327.



ESMO GUIDELINES: REAL WORLD CASES

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ESMO GUIDELINES: REAL WORLD CASES

PANCREATIC CANCER

Ana Landa-Magdalena (MD, PhD)

Clinical Trials Unit for Oncology and Hepatobiliary Oncology Unit Cancer Center Clinica Universidad de Navarra. Pamplona (Spain) <u>alandam@unav.es</u>



DISCLOSURE STATEMENT

Travel and educational support from: Pfizer, Roche, Sanofi, Rovi, Pharma-Mar, BMS, Merck, Incyte, Astra Zeneca.



DIAGNOSIS

At diagnosis 74 years old male (YOB 1947)

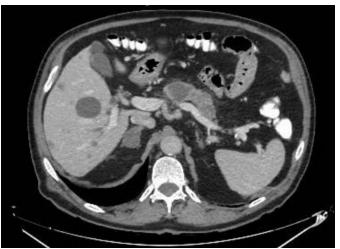
Previous medical history: arterial hypertension and apendicectomy (2005) Smoking history: sporadically; Alcohol: 1 glass wine/day.

ONCOLOGICAL HISTORY

Incidental finding CT scan March 2021 (hypertension follow-up): pancreatic body lesión (35x33mm) without arterial invasión but with suspicious liver lesions.

Patient came to our institution where diagnosis was completed:

Liver MRI: confirming liver metástasis (also multiple benign liver cysts)









STAGING

Staging ultrasound endoscopy:

A neoplastic formation approximately **45 mm in maximum diameter** is visualized in the body of the pancreas, with infiltrative borders. Anteriorly, it **breaches the pancreatic capsule, reaching the parietal peritoneum of the epiploic retrocavity, where fat striation compatible with local peritoneal carcinomatosis is visualized**. The lesion obstructs the main pancreatic duct, which shows retrograde dilation with subtotal atrophy of the gland parenchyma. It also **contacts the hepatic artery and more clearly the splenic artery**. The lesion **touches the mesenteric-portal confluence** on its anterior side without definitive signs of infiltration.

Pathologic samples obtained from pancreas and liver

<u>Pathological diagnosis</u>: Confirmed pancreatic adenocarcinoma in both pancreatic and liver samples. No germline NGS performed

TNM (8th Edition): T3 (>4cm by USE) N0 (no pathological nodes described) M1 = STAGE IV





RISK FACTORS

Personal history:

- 74 years old.
- Smoking history: sporadically
- Alcohol: 1 glass wine/day.

Familiar history:

- No relevant known cáncer history





First line treatment FOLFIRINOX

Metabolic assessment:

- Basal elevated endogen uracil concentración \rightarrow 5Fu dose reduction recommended (15-20%)
- UGT1A1 genotype *1/*1 \rightarrow no problem for irinotecan metabolization.

C1D1 of FOLFIRINOX 20th Apr 2021 with correct tolerance.

<u>After 5 cycles</u>: admitted due to septic shock with dyarrea as unique infection symptom with no bacterial isolation in blood/stools but singificantly elevated CMV viral charge in blood. Improvement with Ganciclovir.

First response assessment CT scan 1st July: PR pancreas and liver.

Patient completed up to 9 cycles (last 7th Sep 2021) with confirmed PR páncreas and liver. After 9th cycle he required admission due to G2 dyarrea with acute kidney failure. **ECOG impairment.** Chemo discontinuation.

Continues on follow-up programm every 3 months. **May 2023**: no evidence of disease in páncreas and liver but non significant bilateral lung nodes.

ESMO GUIDELINES: REAL WORLD CASES





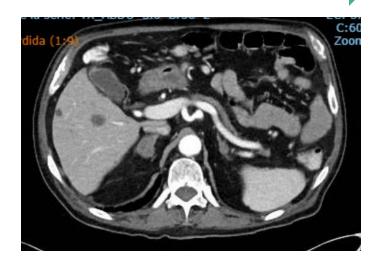
1st reevaluation (1st Jul 21)

Basal (March 2021)





2nd reevaluation (23rd Sep 21)





Second line treatment: FOLFIRINOX re-challenge

October 2023 \rightarrow progressively growing lung nodes.

- Atipic resection of one node (middle lung lobe) performed by surgery (16th Oct23) for pathological confirmation: **Pancreatic adenocarcinoma.**
- NGS test on that sample: KRAS G12D; TP53; CDKN2A

Gen (NM)	Alteración	Frecuencia alélica (profundidad de lectura)			
KRAS (NM_033360.4)	c.35G>A; p.(Gly12Asp)	15% (1990x)			
TP53 (NM_000546.6)	c.524G>A; p.(Arg175His)	17% (2000x)			
CDKN2A (NM_001195132.2)	c.110_119del; p.(Leu37HisfsTer13)	9% (800x)			





Second line treatment: FOLFIRINOX re-challenge

76 years old male. Correct recovering to ECOG 0. Good functional status. G1 neurotoxicity.

Stage IV PDAC with CR after 1st line FOLFIRINOX.

Lung progression after 24months of progression free interval, without actionable molecular alterations.

C1D1 of FOLFIRINOX rechallenge 13th November 2023 → 5 cycles (last 29th Jan 24)

<u>Response assessment CT scan after 5 cycles 16th Feb 2024</u>: PR lung nodes; no evidence of disease in abdominal cavity. Patient asked for "therapeutic holidays". ECOG 1. G2 Neurotoxicity.

Continues on follow-up programm.







Third line treatment: FOLFIRINOX re-challenge



No evidence of progression until 25th October 2024: lung PD and pancreatic tumor PD.

77 years old male. Again recovered to ECOG 0. G1 neurotixicity, mantained good funcional status.

Stage IV PDAC with CR after 1st line FOLFIRINOX (24months PFS); lung PD FOLFIRINOX re-challenge with PR (8months PFS); current lung and pancreatic PD.

Feb 2024

Oct 2024











OUTCOMES C1D1 of FOLFIRINOX re-challenge (2.0) started on 6th November 2024

THANKS FOR YOUR ATTENTION



ESMO GUIDELINES: REAL WORLD CASES

PANCREATIC CANCER

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ESMO GUIDELINES: REAL WORLD CASES

PANCREATIC CANCER

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Medical Oncology

Catalan Institute of Oncology, Barcelona





DISCLOSURE STATEMENT

Advisory Boards: Astra-Zeneca, Jazz Pharmaceuticals

Travel support: Astra-Zeneca

Speaker support: Jazz Pharmaceuticals, Astra-Zeneca

Educational support: Incyte











Stage IV (liver, peritoneal) PDAC, 74y, ECOG 0, good functional status, mKRASG12D, no germline test

1st LINE FOLFIRINOX: April-Sep 2021 9 cycles, BOR CR.

SEP 2021 OCT 23 PROGRESION AND TREATMENT FREE INTERVAL: 2 years

2nd LINE FOLFIRINOX RE-CHALLENGE (LUNG PD): Nov 2023-Jan 2024 5 cycles, BOR PR lung, CR abdominal lesions

FEB 2024 OCT 2024

PROGRESSION AND TREATMENT FREE INTERVAL:8 m

3rd LINE FOLFIRINOX RE-CHALLENGE (x2): LUNG, PANCREAS PD . NOV 24, on going.



DIAGNOSIS

At diagnosis 74 years old male (YOB 1947)

Previous medical history: arterial hypertension and apendicectomy (2005)

Smoking history: sporadically; Alcohol: 1 glass wine/day.

ONCOLOGICAL HISTORY

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Patient came to our institution where diagnosis was completed:

Liver MRI: confirming liver metástasis (also multiple benign liver cysts)











1. Multiphasic contrast-enhanced thoracic-abdominal and pelvic CT, including late arterial phase and portal venous phase, should be used as the first-line imaging modality for suspected PC

2. LIVER MRI. Abdominal MRI is usually used **when CT is inconclusive**, such as for isoattenuating tumours or when a contrast enhanced CT is contraindicated; **in this case confirmed the liver M1.**

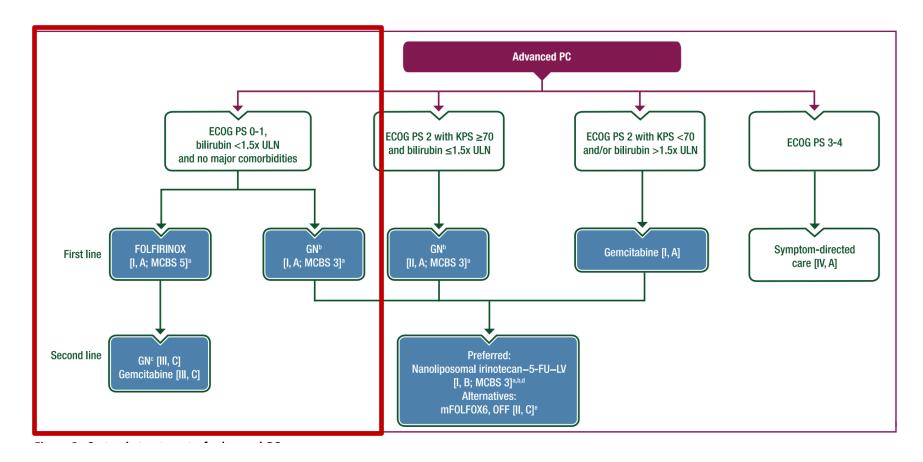
3. EUS is indicated for tumour staging in selected cases, e.g. isodense tumour at CT or when assessing venous involvement. EUS is used to biopsy pancreas, lymph nodes and lesions in the left liver or to sample ascites. In our case completed the staging describing local peritoneal carcinomatosis and allowed the primary biopsy.
4.CA 19.9? CA 19-9 can be used as a serum marker to measure disease burden and potentially guide treatment decisions [III, B]

Standard TNM by imaging testing **STAGE IV**





First line treatment FOLFIRINOX. 74y, ECOG 0, Good functional status









FIRST LINE TREATMENT FOR METASTATIC DISEASE **FOLFIRINOX**

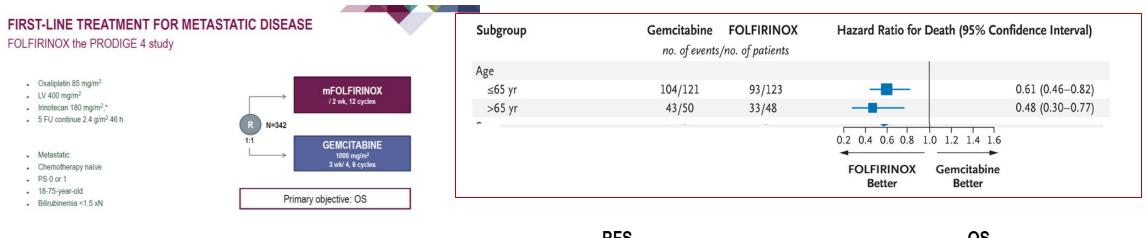
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(%)

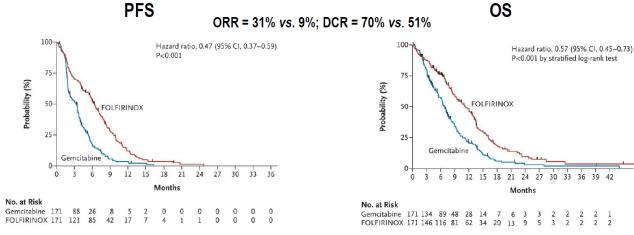
robability

à

No. at Risk



Conroy T, et al. N Engl J Med 2019.



6.4 mo vs. 3.3 mo

11.1 mo vs. 6.8 mo



FIRST LINE TREATMENT FOR METASTATIC DISEASE **GEMCITABINE+** Nab-PACLITAXEL

FIRST LINE TREATMENT FOR METASTATIC DISEASE

n=842

1000 mg/m²

Primary objective: OS

1:1

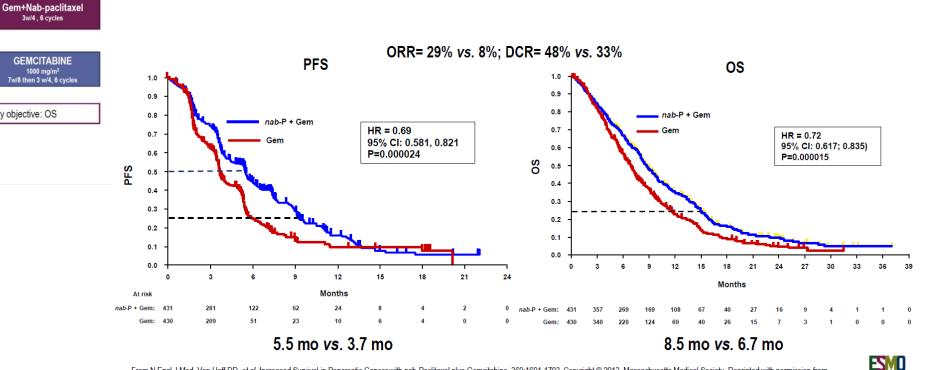
Gem+ Nab-paclitaxel (the MPACT study)

- Gemcitabine 1000 mg/m²
- Nab-paclitaxel 125 mg/m²
- Metastatic
- · Chemotherapy naive
- . KPS ≥70
- Measurable tumour
- Bilirubinemia normal

Stratification

- . PS
- Liver metastases
- Country

Von Hoff DD, et al., N Engl J Med 2013



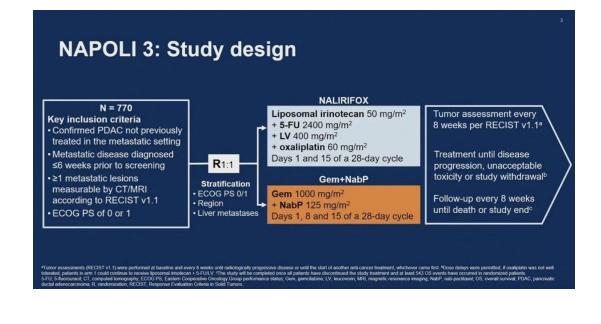
From N Engl J Med, Von Hoff DD, et al. Increased Survival in Pancreatic Cancer with nab-Paclitaxel plus Gemcitabine, 369:1691-1703. Copyright © 2013. Massachusetts Medical Society. Reprinted with permission from Massachusetts Medical Society.

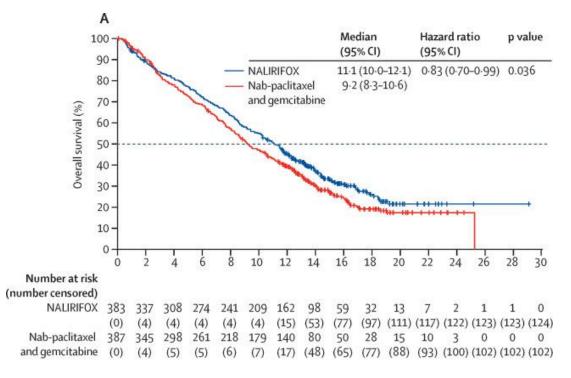






FIRST LINE TREATMENT FOR METASTATIC DISEASE NALIRIFOX



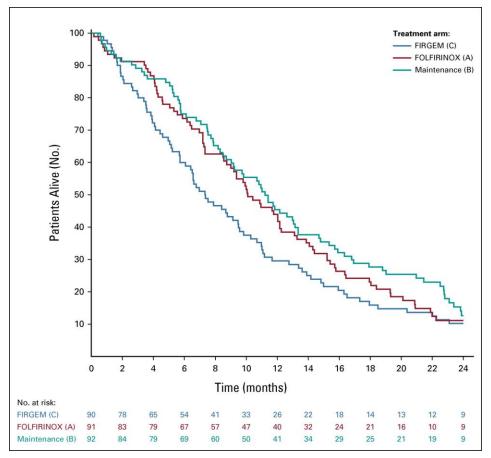


Wainberg et al. Lancet 2023



TREATMENT DURATION?

PANOPTIMOX TRIAL vs 6 months



Sep 2021

Oct 2023

PROGRESION AND TREATMENT FREE INTERVAL: 2 years

PRODIGE 4/FOLFIRINOX: Six months of chemotherapy was recommended for patients who had a response. Patients were followed every 3 months until death.

TABLE 2. Treatment Efficacy (intent-to-treat population)

Efficacy	Arm A (n = 91; 12 cycles of FOLFIRINOX)	Arm B (n = 92; maintenance treatment)	Arm C (n = 90; sequential treatment)
6-month PFS rate			
No. (%)	41 (47.1)	39 (42.86)	30 (34.1)
95% CI		34.3 to 51.4	25.7 to 43.3
Overall PFS, months			
Median	6.3	5.7	4.5
95% CI	5.3 to 7.6	5.3 to 7.3	3.5 to 5.7
9-month PFS, %	31.9	27.2	16.7
12-month PFS, %	15.4	15.9	12.2

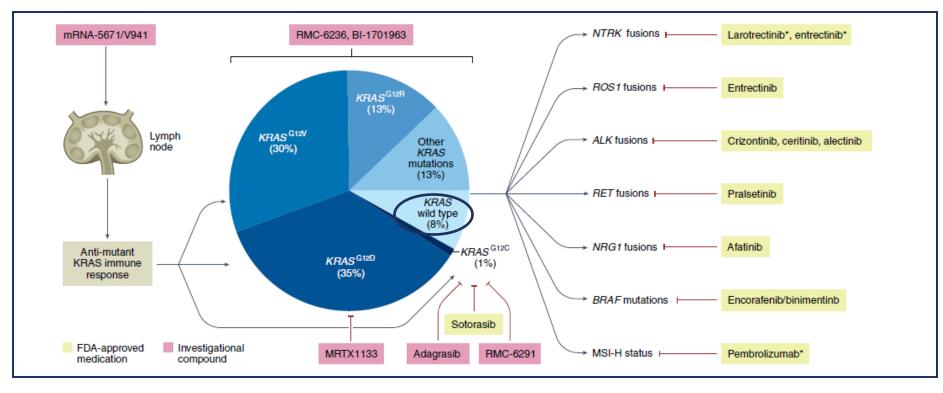
Dahan et al, JCO 2021



GENE PROFILE. ESMO RECOMMENDATIONS

KRAS and BRCA testing are generally recommended [IV, B].

If a KRAS-WT tumour is identified, additional profiling with NGS can be carried out to evaluate for rare, potentially actionable findings



Nasser Hossein et al, Nature 2022

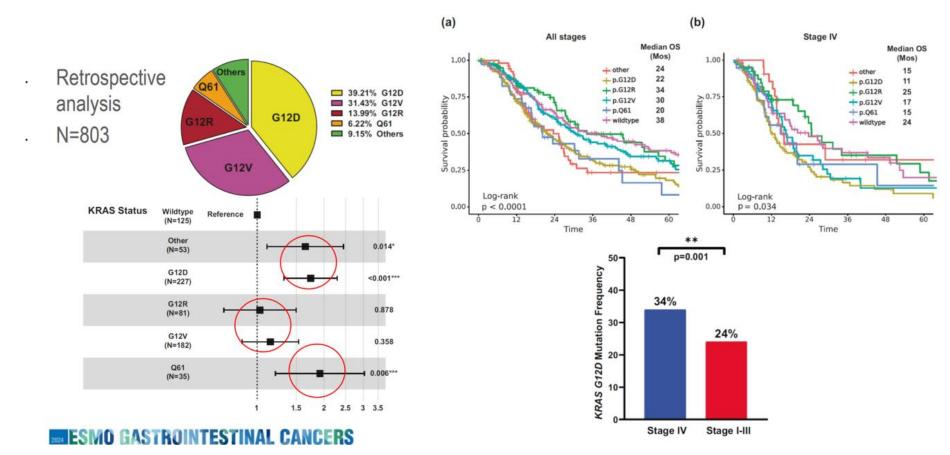






GENE PROFILE

NGS test lung sample: KRAS G12D; TP53; CDKN2A. Germline test lacking



Youssef A et al, NPJ Precis Oncol, 2024





ESMO WEBINAR SERIES

TARGETING KRAS: PRESENT AND FUTURE

Isoform-specific:

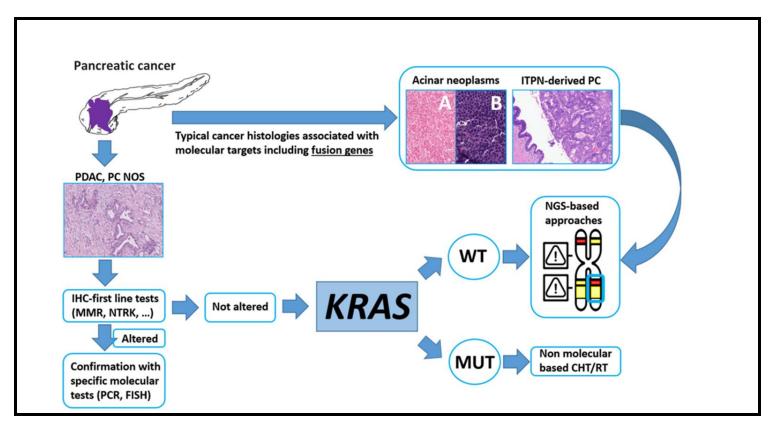
KDAO	0100	Mutant-specific	KRAS in	hibitors		Pan-(K)RA	S inhibito	ors	
. KRAS	G12C:	Programs (company)	IND	Target	Phase	Programs (company)	IND	Target	Phase
Ada Diva . G12D	orasib, agrasib, arasib, : (1133,	Sotorasib/AMG 510 (Amgen) Adagrasib/MRTX849 (Mirati) D-1553 (InventisBio) JDQ443 (Novartis) RG6330/GDC-6036 (Roche) LY3537982 (Eli Lilly) BI 1823911 (Boehringer Ingelheim) JAB-21822 (Jacobio) GFH925 (GenFleet) GH35 (Genhouse Bio)		KRAS ^{612C}	Approved Clinical	RSC-1255 (RasCal Therapeutics) BI-pan-KRAS1-4 inhibitors (Boehringer Ingelheim) BI-pan-KRASdegrader1 (Boehringer Ingelheim) RMC-6236 (Revolution Medicines)		Pan-RAS Pan-KRAS: KRAS ^{G12D/V} , KRAS wild-type Pan-KRAS: KRAS ^{G12C/D/V/A} , KRAS ^{G13C} , KRAS ^{G13C} , KRAS ^{G13C} , KRAS ^{Q01E/P} , KRAS wild-type Pan-RAS:	Clinical
panRas		MRTX1133 (Mirati) KRASG12D1-3 (Boehringer Ingelheim) RAS(ON) G12D (Revolution Medicines) RAS(ON) G13C (Revolution Medicines)		KRAS ^{G12D} KRAS ^{G13C}	_ Preclinical	THE 0230 (Revolution Medicines)		KRAS ^{G12D/V} , KRAS ^{G13D} , KRAS ^{Q61K} , RAS wild-type	

Hofmann et al, Cancer Discov, 2022





POSSIBLE APPROACH TO MOLECULAR PROFILING



Gkountakos A et al, Trends in Cancer 2024





HRD AND RESPONSE TO PLATINUM TREATMENTS

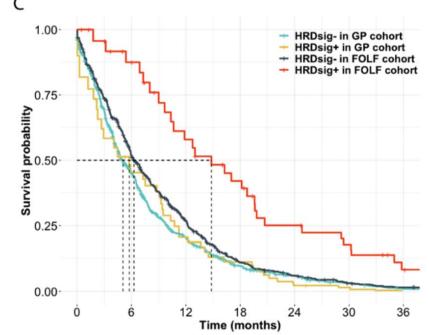
"Precision medicine in metastatic PC: BRCA/germline genetic testing should be offered to all patients with metastatic PC to determine eligibility for selection of platinum-based ChT followed by maintenance with olaparib [I, B; olaparib ESMO-MCBS v1.1 score: 2] "

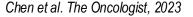
A Novel HRD Signature Is Predictive of FOLFIRINOX Benefit in Metastatic Pancreatic Cancer

Kuei-Ting Chen¹, Russell Madison^{1,©}, Jay Moore¹, Dexter Jin¹, Zoe Fleischmann¹, Justin Newberg¹, Alexa Schrock¹, Neeru Bhardwaj¹, Katherine T. Lofgren¹, Jie He¹, Garrett Frampton¹, Priti Hegde¹, David Fabrizio¹, Michael J. Pishvaian², Ericka Ebot¹, Aatur Singhi^{*,3,*}, Ethan Sokol^{*,1,*}

¹Foundation Medicine, Cambridge, MA, USA ²Department of Oncology, Johns Hopkins University School of Medicine, SKCC, Washington, DC, USA ³Department of Pathology, University of Pittsburgh Medical Center, Pittsburgh, PA, USA

*Corresponding author: Aatur Singhi, MD, PhD, UPMC Hillman Cancer Center, 200 Lothrop Street, Rm A616.2, Pittsburgh, PA 15213, USA. Tel: +1 412 864 1508; Email: singhiad@upmc.edu; or, Ethan Sokol, PhD, Foundation Medicine, 150 Second Street, Cambridge, MA 02142, USA. Tel: +1 617 418 2200; Email: esokol@ foundationmedicine.com *Contributed equally.

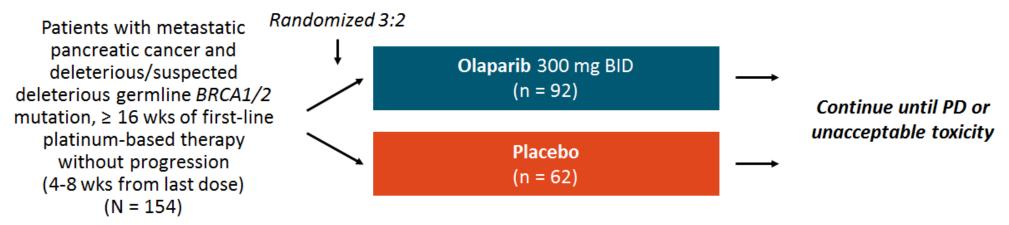






POLO: Olaparib as Maintenance Therapy in Germline BRCA Mutated Pancreatic Cancer

International, randomized, double-blind phase III trial

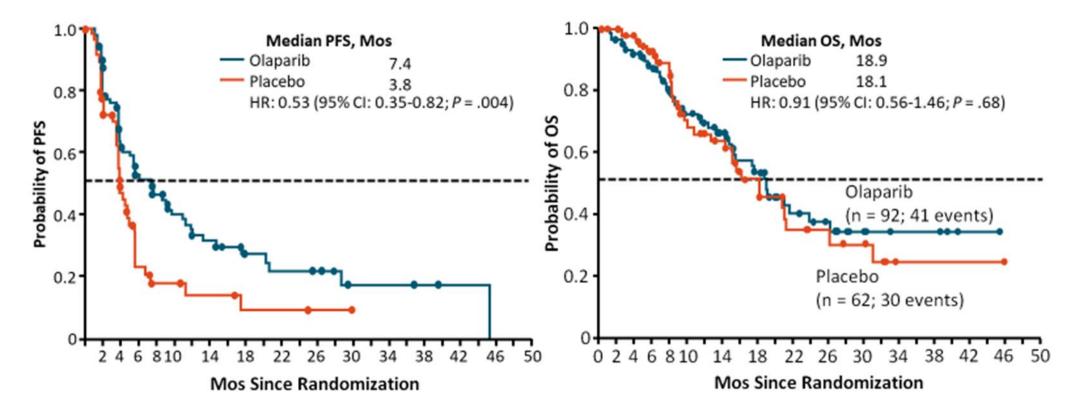


- 3315 patients screened; 247 had germline BRCA mutation (7.5%)
- Primary endpoint: PFS by blinded independent central review (modified RECIST v1.1)
 - 87 PFS events required for 80% power with 1-sided alpha of .025; assumed PFS HR: 0.54
- Key secondary endpoints: safety/tolerability, PFS2, ORR, OS, HRQoL

16



POLO: PFS and OS



Golan, NEJM 2019





- Standard therapy selection, based on clinical features. HRD predictive response to platinum.
- . Treatment duration in clinical practicing
- . Gene profiling: KRAS status, NGS in KRAS WT
- . Germline testing: only *BRCA 1-2* + *PALB 2* ? BRCAness. Reason of amazing response and survival?



ESMO GUIDELINES: REAL WORLD CASES

THANK YOU FOR YOU ATTENTION

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ESMO WEBINAR SERIES





ESMO GUIDELINES: REAL WORLD CASES WEBINAR PANCREATIC CANCER

A practice perspective on guideline implementation and the current case

Gabor Liposits, MD, PhD

On behalf of the Practising Oncologist Working Group



DECLARATION OF INTERESTS

Gabor Liposits, MD, PhD

Financial interests:

Honoraria: Danone, Servier Congress support (travel and accommodation): Servier Institutional funding: Servier, MSD, Amgen, Astra Zeneca Advisory board: MSD

Non-financial interests:

ESMO POWG member ESMO DCWG member SIOG Board member





The ESMO POWG serves to identify the practice needs of oncologists who are hospital and office-based by developing educational services, practice tools and quality indicators that will facilitate the implementation of best practice at the point of care.

The POWG members are relevant stakeholders to the ESMO Guidelines Webinars as experts who are consulting and implementing the guidelines in their daily practices For more information about the ESMO POWG visit **esmo.org**

ESMO > About ESMO > Organisational Structure > Educational Committee ESMO PRACTISING ONCOLOGISTS WORKING GROUP

Don't miss:

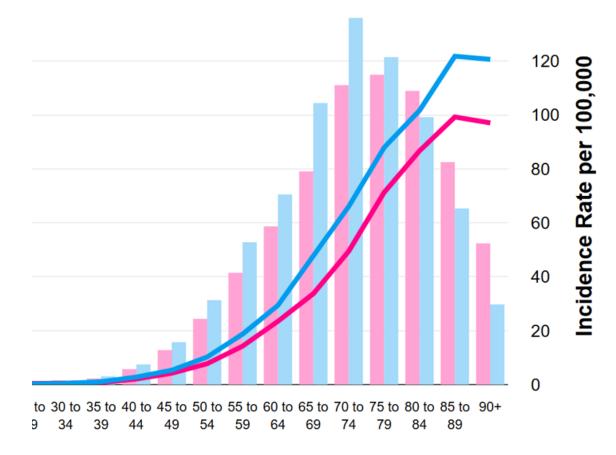
The «ESMO Checklists» on OncologyPRO





Aging is a non-modifiable risk factor for (pancreatic) cancer

Along with the aging populations worldwide, the incidence of PDAC rises.





Age-specific incidence rates steeply increase \geq 65 years.

Half of the patients are \geq 70 years.

PDAC disproportionately affects older adults.

Cancer Research UK, https://www.cancerresearchuk.org/health-professional/cancer-statistics/statistics-by-cancer-type/pancreatic-cancer/incidence#heading-One, Accessed November 2024.



Precision medicine – in-depth characterization



Diagnostic work-up

mPDAC – CT-scan often provides a reliable diagnosis.

Liver MRI, endoscopic US are not essential in mPDAC.

Biopsy from a liver metastasis is sufficient.

CA19-9 can be considered at baseline and for response evaluation.



PDAC is one of the most lethal primary malignancies

Time factor is important during diagnostic work-up

Resource utilization



Precision medicine – in-depth characterization



BETTER MEDICINE

REVIEW



Adequate assessment yields appropriate care—the role of geriatric assessment and management in older adults with cancer: a position paper from the ESMO/SIOG Cancer in the Elderly Working Group

Functional decline might rapidly occur.

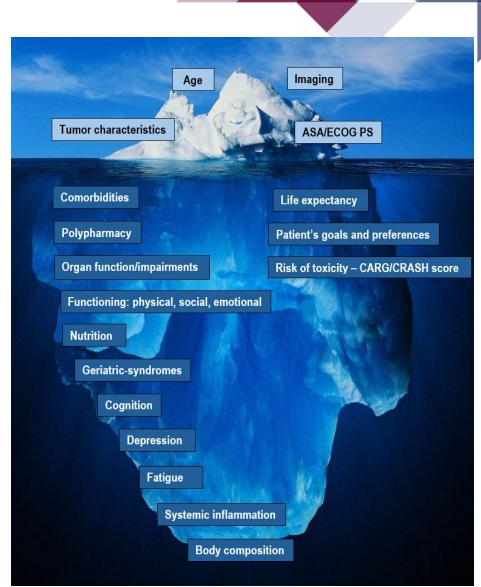
Comprehensive evaluation beyond ECOG PS is needed.

Patient-related factors are crucial in most mPDAC cases.

(Low) BMI, weight loss, cachexia/anorexia, systemic inflammation.

Often high symptom burden.

Early integrated supportive and palliative care are crucial.







Treatment options – for a fit patient

The NEW ENGLAND JOURNAL of MEDICINE

The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

FOLFIRINOX versus Gemcitabine for Metastatic Pancreatic Cancer

ORIGINAL ARTICLE

Increased Survival in Pancreatic Cancer with nab-Paclitaxel plus Gemcitabine

Characteristic	FOLFIRINOX (N=171)	Gemcitabine (N=171)	Table 1. Characteristics of the Patients at Baseline.*			
Age — yr				nab-Paclitaxel plus Gemcitabine	Gemcitabine Alone	Total
Median	61	61	Characteristic	(N=431)	(N=430)	(N=861)
Range	25–76	34-75	Age			
Sex — no. (%)			No. of yr			
Male	106 (62.0)	105 (61.4)	Median	62	63	63
Female	65 (38.0)	66 (38.6)	Range	27–86	32–88	27–88
ECOG performance status score — no. (%			Distribution — no. (%)			
0	64 (37.4)	66 (38.6)	<65 yr	254 (59)	242 (56)	496 (58)
			≥65 yr	177 (41)	188 (44)	365 (42)
1	106 (61.9)	105 (61.4)	Sex — no. (%)			
2	1 (0.0)		Female	186 (43)	173 (40)	359 (42)
Pancreatic tumor location — no. (%)			Male	245 (57)	257 (60)	502 (58)
Head	67 (39.2)	63 (36.8)				
Body	53 (31.0)	58 (33.9)	Karnofsky performance-status score — no./total no. (%	6)‡		
Tail	45 (26.3)	45 (26.3)	100	69/429 (16)	69/429 (16)	138/858 (16)
Multicentric	6 (3.5)	5 (2.9)	90	179/429 (42)	199/429 (46)	378/858 (44)
Biliary stent — no. (%)			80	149/425 (35)	128/429 (30)	2777058 (32)
Yes	27 (15.8)	22 (12.9)	70	30/429 (7)	33/429 (8)	63/858 (7)
No	144 (84.2)	149 (87.1)	60	2/429 (<1)	0/429	2/858 (<1)

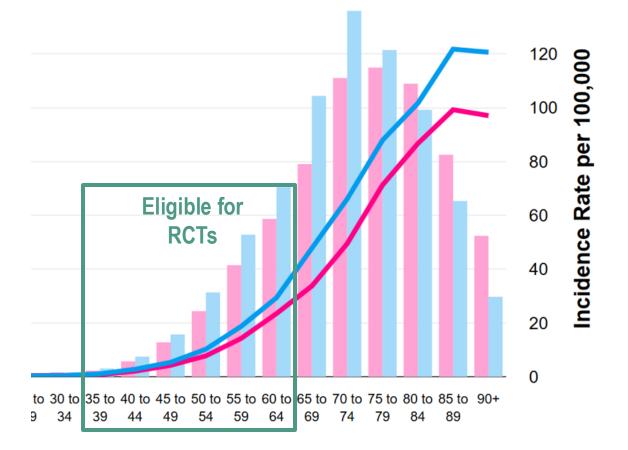
NALIRIFOX versus nab-paclitaxel and gemcitabine in treatment-naive patients with metastatic pancreatic ducta

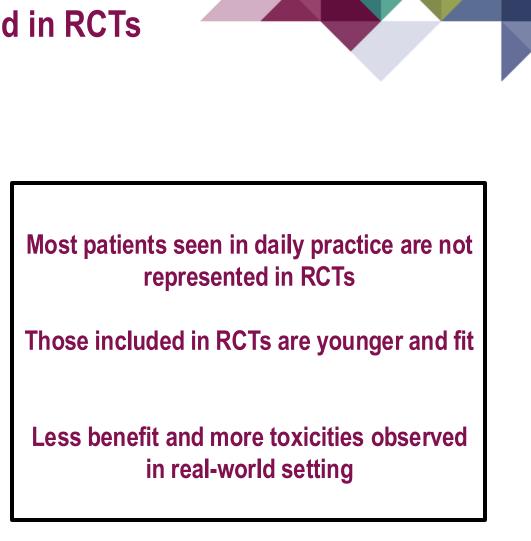
treatment-naive patients with metastatic pancreatic ductal adenocarcinoma (NAPOLI 3): a randomised, open-label, phase 3 trial

	NALIRIFOX (n=383)	Nab-paclitaxel and gemcitabine (n=387)
Age, years		
Mean (SD)	62.8 (9.7)	64.0 (8.3)
Median (range; IQR	64·0 (20-85; 57-70)	65·0 (36–82; 59–70)
5ex		
Female	179 (47%)	157 (41%)
Male	204 (53%)	230 (59%)
Race		
White	315 (82%)	324 (84%)
Asian	20 (5%)	18 (5%)
Black or African American	12 (3%)	7 (2%)
Other	7 (2%)	6 (2%)
Multiple	3 (1%)	0
American Indian or Alaska Native	0	2 (1%)
Native Hawaiian or other Pacific Islander	0	1(<1%)
Not reported	26 (7%)	29 (7%)
COG performance status score		
0	160 (42%)	168 (43%)
1	222 (58%)	219 (57%)
2	1(-10/)*	0
Metastatic sites		
1	114 (30%)	138 (36%)
2	120 (31%)	108 (28%)
≥3	149 (39%)	141 (36%)
iver metastases	307 (80%)	311 (80%)



Older/vulnerable patients are under-represented in RCTs





Cancer Research UK, https://www.cancerresearchuk.org/health-professional/cancer-statistics/statistics-by-cancer-type/pancreatic-cancer/incidence#heading-One, Accessed November 2024.

WEBINAR SERIES







Original Investigation | Oncology NALIRIFOX, FOLFIRINOX, and Gemcitabine With Nab-Paclitaxel as First-Line Chemotherapy for Metastatic Pancreatic Cancer A Systematic Review and Meta-Analysis

Regimen	FOLFIRINOX	NAB-PAC./GEMCITABINE	NALIRIFOX
Median OS (months)	11.7	10.4	11.1

HR: 1.18 [95%Cl, 1.00-1.39]; *p*= 0.05

Neither statistically, nor clinically meaningful OS differences between regimens





Treatment options

Essay

Treatment of metastatic pancreatic cancer: 25 years of innovation with little progress for patients

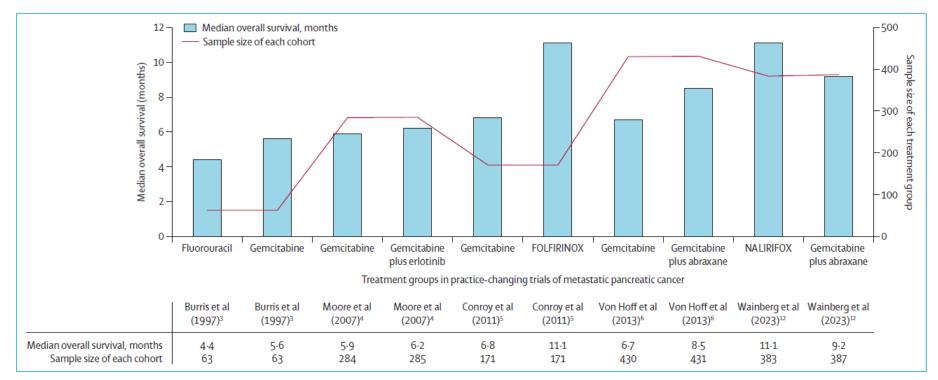


Figure: Changes in median overall survival versus sample size of treatment groups in pivotal trials of drugs for first-line treatment of advanced pancreatic cancer, 1997–2023 Data are shown by individual treatment groups in each trial. The line plots the sample size for each individual treatment group in each study, and the bars show the median overall survival.





Further considerations and discussion

Deficits in geriatric domains are frequent despite ECOG PS:0, geriatric screening is recommended (Geriatric 8).

Patient's preferences and shared decision-making should be considered regarding the treatment of choice.

DPD testing/se-uracil measurement guided the dose of 5FU according to ESMO guidelines.

Remarkable platinum-sensitivity with a durable response. BRCA mutation or Homologous Recombination Deficiency (HRD)?

Upon oligometastatic disease/progression, local treatment (percutaneous interv./SBRT) might be considered (EXTEND-trial*)?

Short re-introduction (5 cycles) upon PD – toxicities/tolerability issues?

PFS1: 24 months, PFS2: 8 months.

Second re-introduction with FOLFIRINOX? Cumulative toxicities? Change the regimen? Local treatment in addition?



Food for thoughts



Excellent, yet an exceptional case, not representative for most patients with mPDAC managed in clinical practice.

Given the limited survival benefit, quality of life (QoL) and symptom control are important endpoints.

Older adults often prefer patient-centered endpoints – QoL, preservation of functioning, independence.

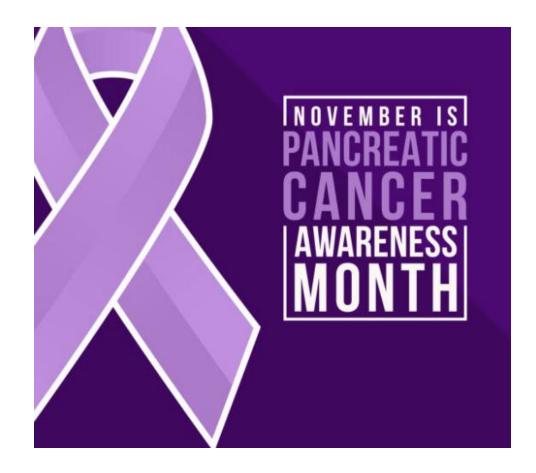
Cumulative toxicity, especially oxaliplatin induced peripheral neuropathy is a concern regarding QoL and ADL/IADL.

Local therapeutic modalities in addition to systemic treatment can provide benefit in selected cases. MDT discussion!

Comprehensive molecular characterization is important even in older adults who are fit for treatment.

Geriatric co-management and early supportive and palliative care are essential in most patients with mPDAC.





THANK YOU !

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