

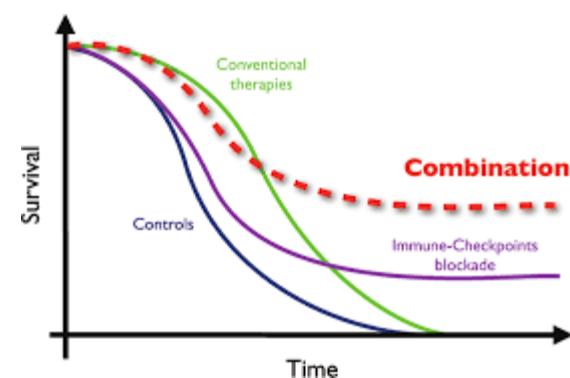
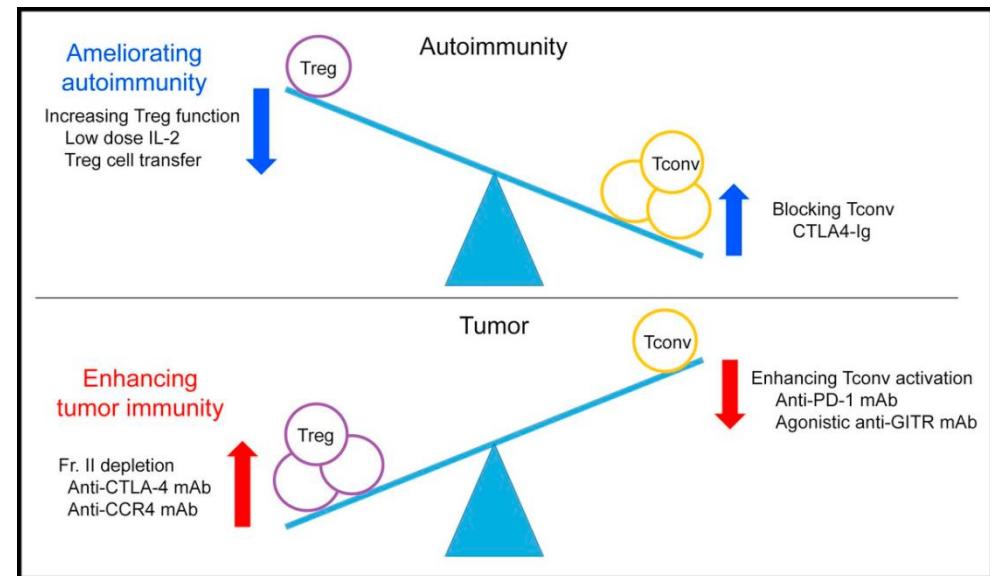
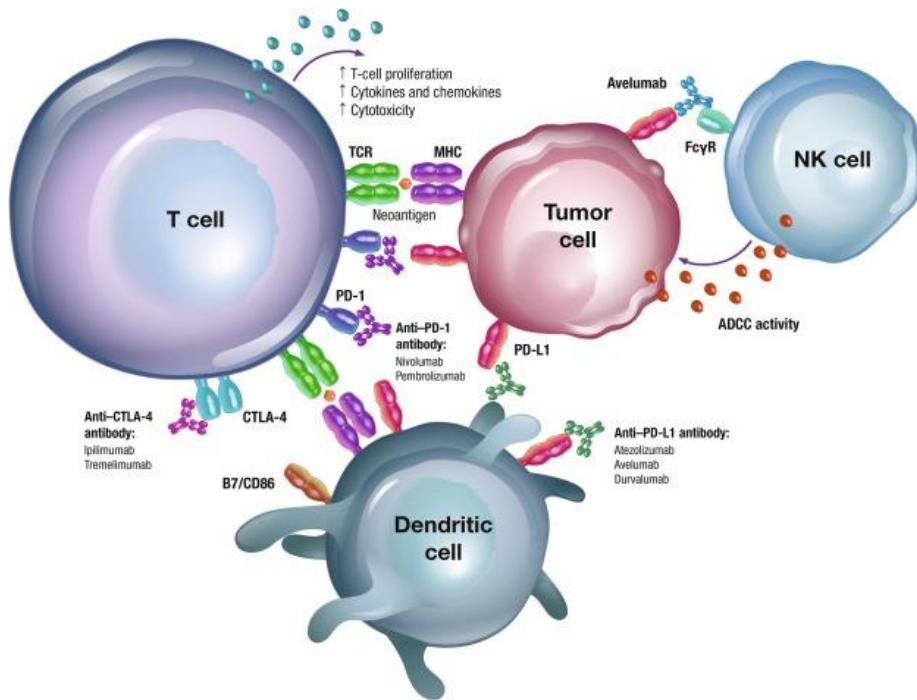
Novinky v léčbě karcinomu močového měchýře z pohledu onkologa

Poprach A, Lakomý R

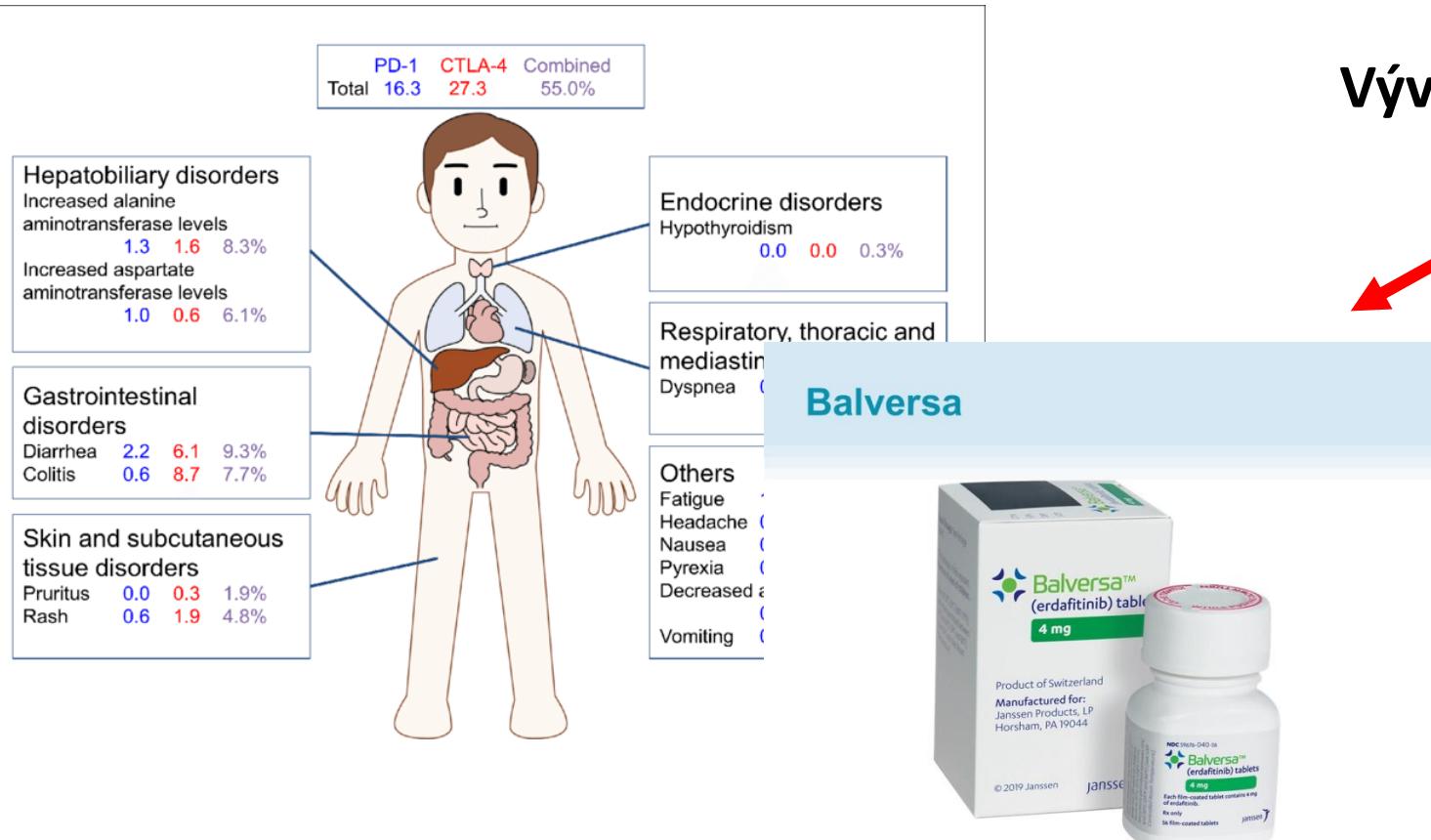
MOU a LF MU

09/2020

Chemoterapie...stále základ naší léčby...ale imunoterapie bude budoucností

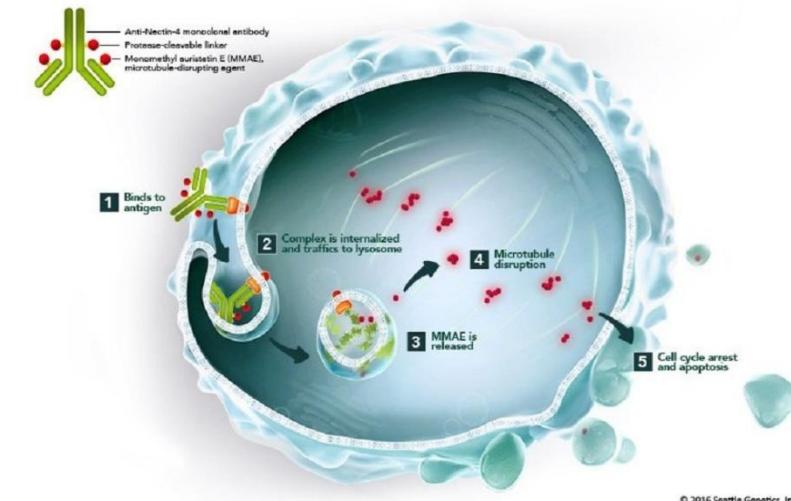


Imunoterapie však přináší i rizika:



Vývoj však nepřináší jen imunoterapii

Enfortumab vedotin



T2-T4a a N1 (2,3) onemocnění

- (T1, Tis: při selhání BCG v USA... imunoterapie pembrolizumab...“ with BCG-unresponsive, high-risk, non-muscle invasive bladder cancer with Tis with or without papillary tumors who are ineligible for or have elected not to undergo cystectomy ”)
- Zpět k T2 onemocnění- základem onkologické léčby je neoadjuvance na bázi **CISPLATINY!!!**
- Preference DDP/Gem- 4x á 21 dní, nebo studie či DD M-VAC
- Cíl: downstaging tumoru a eradikace mikrometastáz
- **A poté RACE, nebo CHT/RT**

Cisplatina „unfit“ vs. „fit“

ECOG PS ≥ 2

Clearence kreatininu <60ml/min

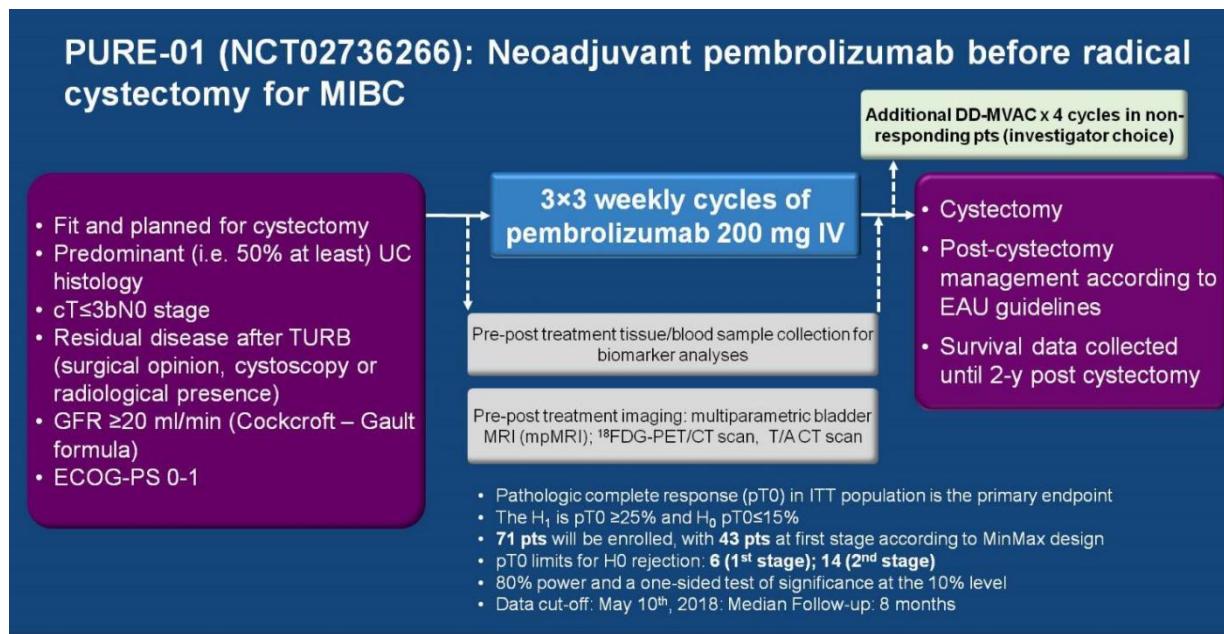
Neuropatie stupně ≥ 2

Srdeční selhání stupně III a více

Audiometrická ztráta sluchu stupně ≥ 2

T2-T4a a N1 (2,3) onemocnění - budoucnost

- PURE-01 studie II.fáze



PRESENTED AT: 2018 ASCO[®]
ANNUAL MEETING

#ASCO18
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PRESENTED BY: ANDREA NECCHI

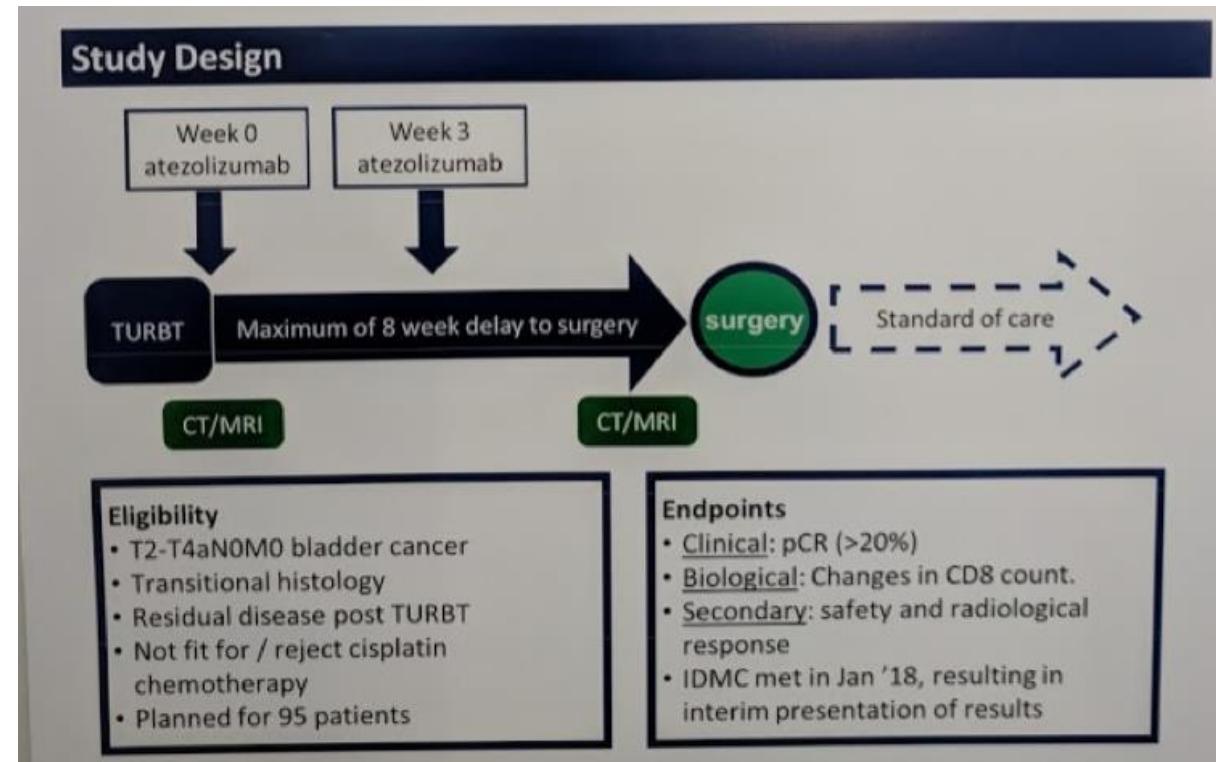
Pathologic response to pembrolizumab

All treated patients N=43	
Pathologic complete response, n (%), 95% CI	17 (39.5) 26.3–54.4
Secondary endpoint, n (%)	22 (51.2)
Pathologic downstaging to pT<2	(2 pTis; 2pTa; 1pT1)
Treatment failure, n (%)	
ypT2-4 ypN0	7 (16.3)
ypTany ypN+	9 (20.9)
“Clinical” failure (additional NAC*)	5 (11.6)
Clinical PD (RECIST v.1.1)	0 (-)

*Pathologic response to Pembro>CT:
• pTisN0: n=2 (40%); pT2pN2: n=1 (20%); pT3pN1: n=2 (40%)

T2-T4a a N1 (2,3) onemocnění - budoucnost

- Studie ABACUS- II.fáze



T2-T4a a N1 (2,3) onemocnění - budoucnost

Characteristic	Pembrolizumab (n = 43) ^[1]	Atezolizumab (n = 68) ^[2]
Eligibility criteria	T2-T3b; N1 allowed	T2-T4a; N0 only
Cisplatin eligible, %	100	0
Received neoadjuvant CT, %	12	0
Duration of neoadjuvant checkpoint inhibition	3 cycles (9 wks)	2 cycles (6 wks)
Safe	Yes	Yes
Pathological CR (pT0), %	40	29
Available biomarker data	Yes	Yes

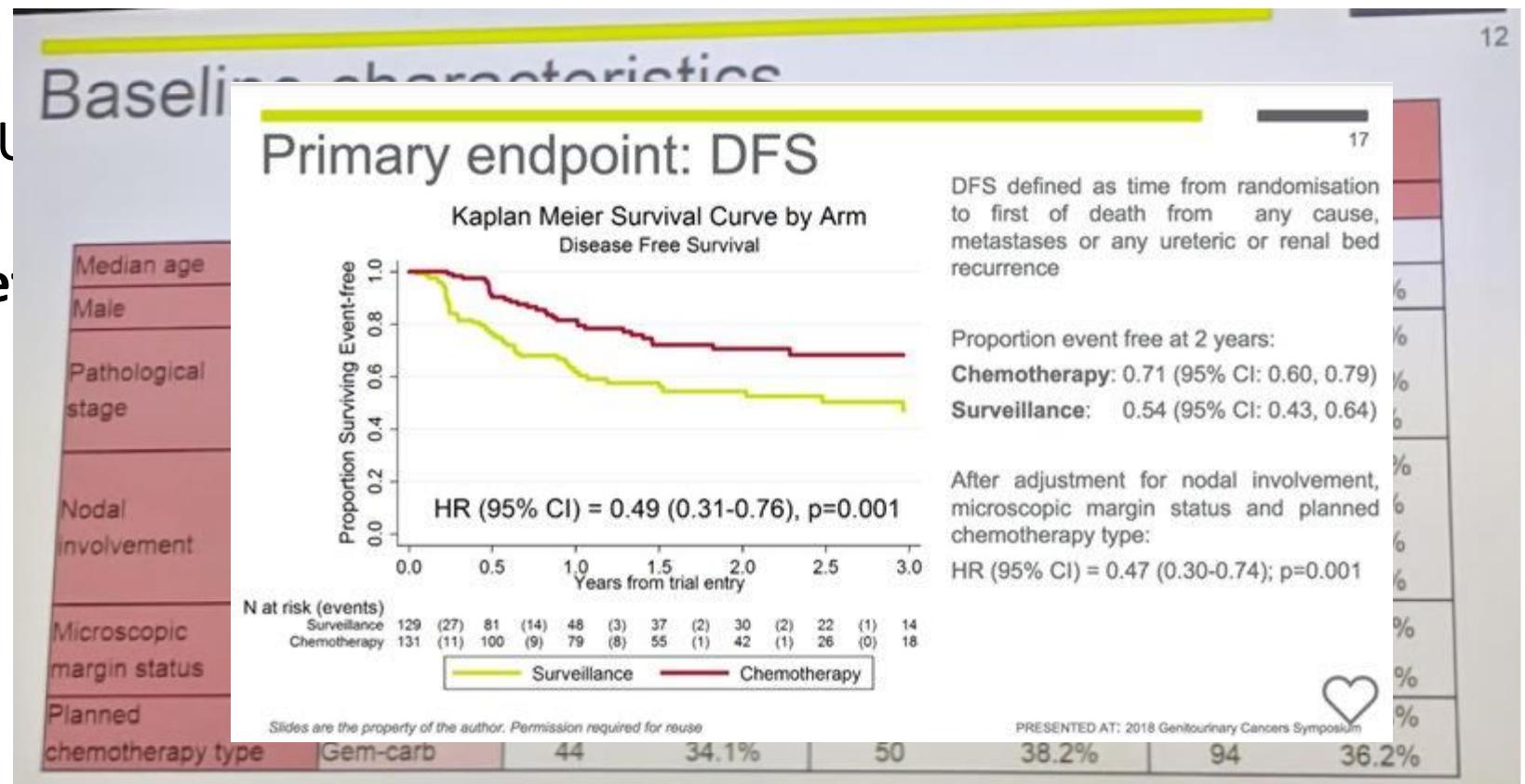
pT0 Rates
With CT:

Gem/Cis,
15% to 32%

DD MVAC,
26% to 43%

Co po RACE?

- Adjuvance...pT3-pT4, N+ a asi u lymfovaskulární invaze, pokud **nebyla podána neoadjuvance (CISPLATINA)**
- Studie **POUT!!!**:
 - Studie III. fáze UTU vs. sledování.
 - **DFS HR 0,47!**; 2 let



Co po RACE?

- Novinka...zase imunoterapie...studie NIAGARA...durvalumab
 - Perioperační DDP/GEM+ durvalumab+ RACE+ následně durvalumab
- NABUCCO nivolumab a ipilimumab perioperační
- Atd...

Metastatické postižení

- Nutné rozlišení cisplatina „unfit“ vs. „fit“ pacienti; a nově „unfit platina patienti „
- Stanovení míry exprese PD-L1- bohužel různé metody
- **V první linii paliativní léčby:**
 - Pro pacienty **cisplatina fit**: **cisplatina+ gem**
 - **Cisplatina unfit**: **imunoterapie při positivitě PD-L1 (pembro nebo atezolizumab)**, ...bohužel v ČR karboplatina/ gem
 - **Platina unfit**: USA **imunoterapie**...v ČR...BSC?, monoterapie

První linie paliativní léčby mUC: cisplatin fit

	Sternberg 1989 ¹	Von Der Maase 2000, Roberts 2006 ^{2,3}	Sternberg 2006 ⁴	Dreicer 2004 ⁵	Kaufman 2000 ⁶	EORTC 30987 ⁷
Therapies	M-VAC*	GC* ⁸ vs M-VAC	DD-M-VAC*† vs M-VAC*	carbo/PTX vs M-VAC*	GC* ⁸	PCG*§ vs GC* ⁸
Phase	2	3	3	3	2	3
N	133	405	263	85	46	626
ORR, %	72	49.4 vs 45.7 (P=0.51)	64 vs 50 CR: 28 vs 12 pts (P=0.06)	28.2 vs 35.9 CR: 1 vs 5 pts (P=0.63)	41 CR: 10 pts	55.5 vs 43.6 (P=0.0031)
mPFS, mos	8	7.7 vs 8.3 (P=0.407)	9.5 vs 8.1 (P=0.017)	5.2 vs 8.7 (P=0.24)	5.5	8.3 vs 7.6 (P=0.113)
mOS, mos	13.3	14 vs 15.2 (P=0.66)	15.1 vs 14.9 (HR=0.76)	13.8 vs 15.4 (P=0.65)	14.3	15.8 vs 12.7 (P=0.075)
5-yr OS, %	18 (4-yr)	13 vs 15.3 (P=0.526)	21.8 vs 13.5 (P=0.042)	NR‡	NR	NR
Grade 3-4 AEs (top 3), %	Leukocyte count: 58 Nadir sepsis: 25 Platelets: 21	Neutropenia: 71.1 vs 82.3 Thrombocytopenia: 57 vs 20.6 Anemia: 27 vs 17.6	Platelets: 22 vs 17 WBC: 20 vs 62 Mucositis: 10 vs 17	Neutropenia: 29 vs 67 Anemia: 5 vs 38 Thrombocytopenia: 10 vs 21	Segmented neutrophils: 74 Platelet: 65 WBC: 53	Neutropenia: 64.3 vs 50.5 Thrombocytopenia: 34.5 vs 52.1 Hemoglobin: 22.5 vs 25.6
AEs leading to discontinuation, %	NA	NA	NA	9 vs 17	8	14.6 vs 15.7
Tx-related death, n	4	1% vs 3%	1 vs 1	1 vs 1	NA	6 vs 3

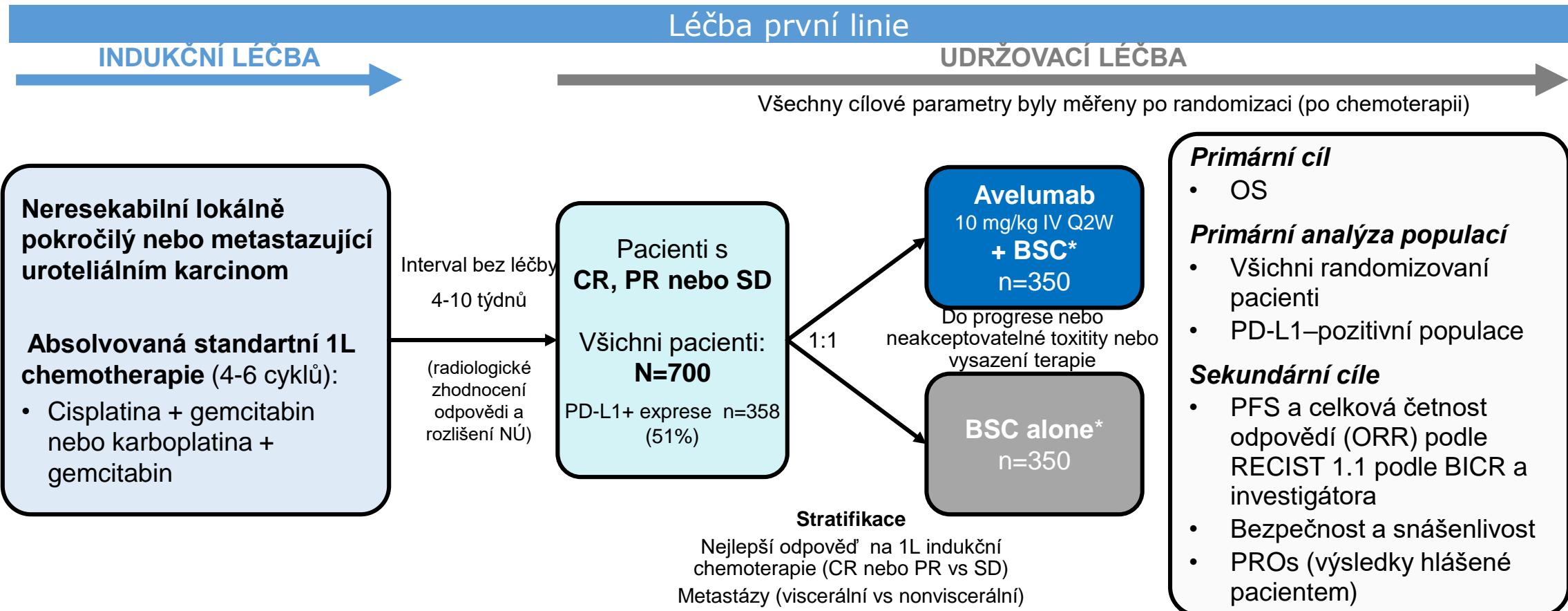
První linie paliativní léčby mUC: cisplatin unfit- chemoterapie

	EORTC 30986 ¹	Dreicer 2004 ²	Galsky 2007 ³
Therapies	GEM+carbo vs M-CAVI	carbo+PTX vs M-VAC	DOX+GEM → PTX+carbo
Phase	2/3	3	2
N	238	85	25
ORR, %	41.2 vs 30.3 (P=0.08)	28.2 vs 35.9 CR:1 vs 5 pts (P=0.63)	56
mPFS, mo	5.8 vs 4.2 (HR=1.04)	5.2 vs 8.7 (P=0.24)	NR
mOS, mo	9.3 vs 8.1 (P=0.64)	13.8 vs 15.4 (P=0.65)	15
5-yr OS, %	NR	NR	NR
Grade 3-4 AEs (top 3), %	Neutropenia: 52.5 vs 63.5 Leucopenia: 44.9 vs 46.6 Thrombocytopenia: 48.3 vs 19.4	Neutropenia: 29 vs 67 Anemia: 5 vs 38 Thrombocytopenia: 10 vs 21	Neutropenia: 28 Anemia: 16 Thrombosis: 16 Thrombocytopenia: 8 Nausea: 8 Vomiting: 8
AEs leading to discontinuation, %	21.0 vs 21.8	9 vs 17	2
Tx-related death, n	2 vs 4	1 vs 1	NA

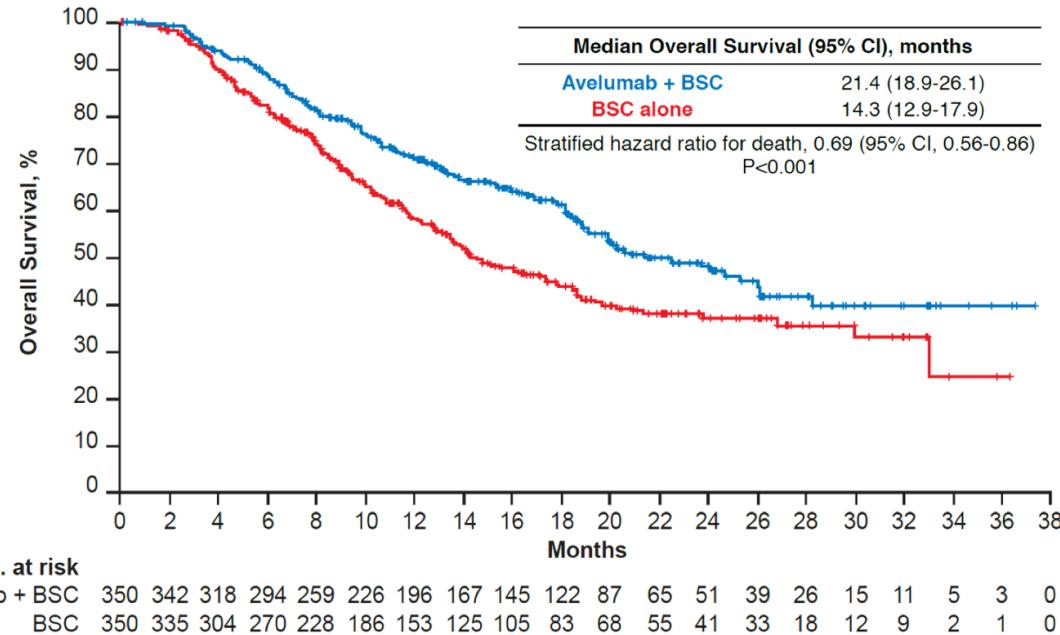
PO CHT dle ASCO 2020:

**Udržovací léčba avelumab + nejlepší podpůrná léčba (BSC) versus BSC samotná po chemoterapii na bázi platiny v první linii pokročilého uroteliálního karcinomu:
JAVELIN Bladder 100 phase III výsledky**

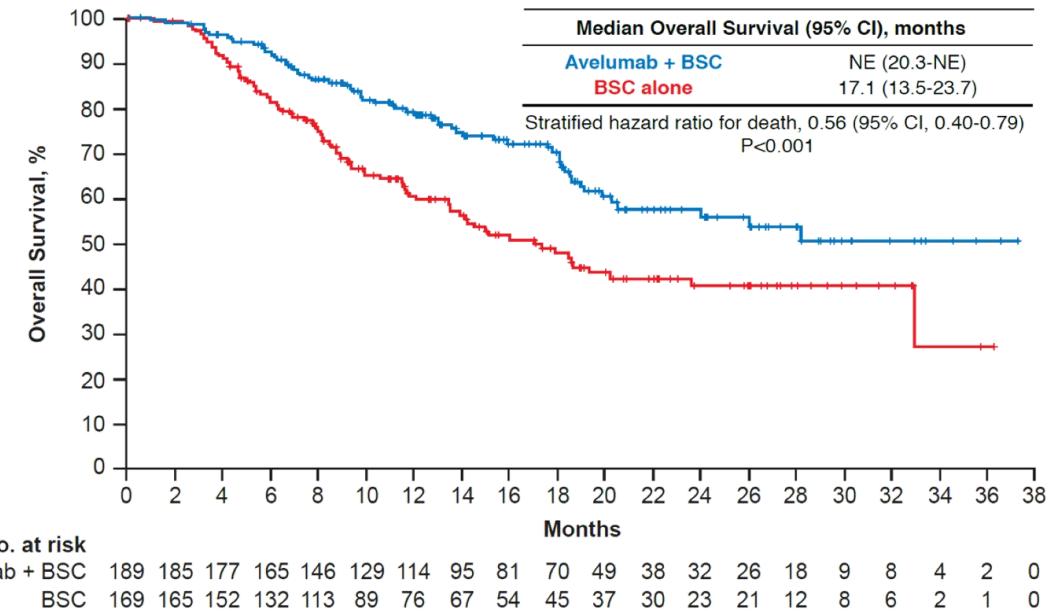
JAVELIN Bladder 100 režim



OS v celkové populaci



OS v PD-L1–pozitivní populaci



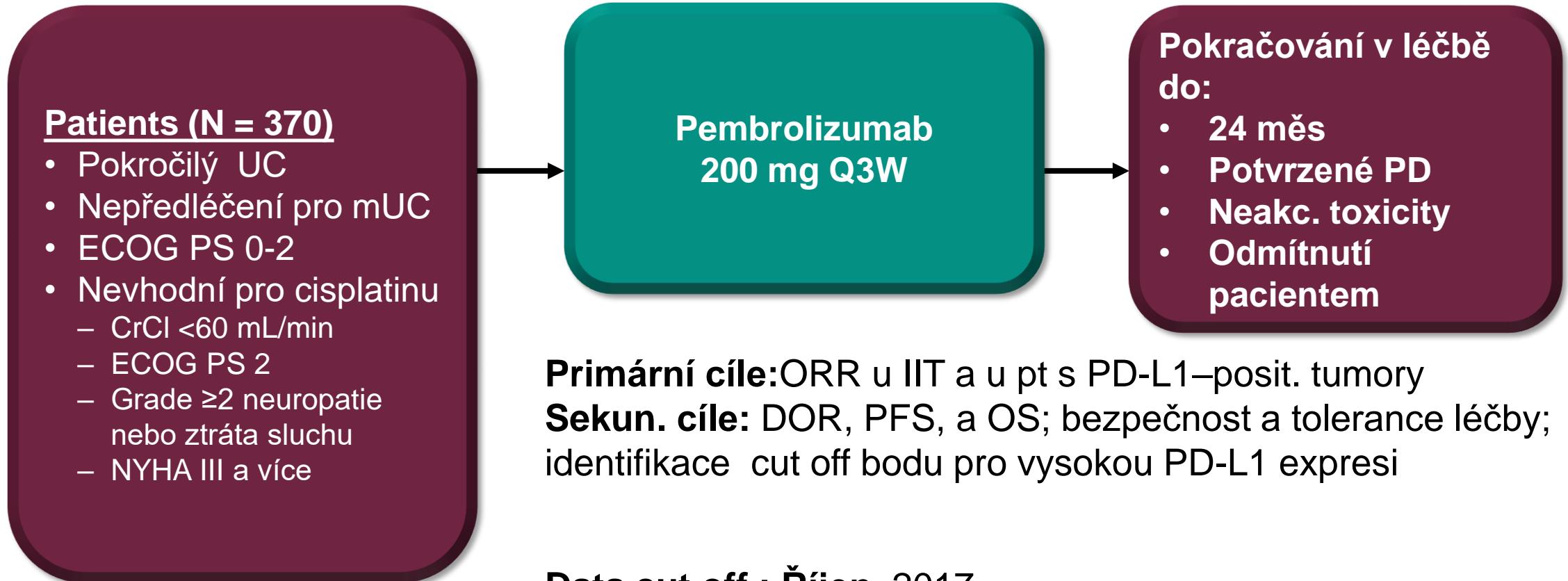
BAVENCIO je první imunoterapií, která v klinické studii s inovativním designem (indukce+ maintenance) prokázala statisticky významné zlepšení v parametru OS v léčbě první linie u pacientů s pokročilým uroteliálním karcinomem.

Režim dle designu studie Javelin Bladder 100 je aktuálně doporučený NCCN i ESMO.

První linie paliativní léčby mUC: cisplatin unfit- imunoterapie

	KEYNOTE-052 ¹			IMvigor210 (Cohort 1) ⁴		
Regimens	Pembrolizumab			Atezolizumab		
Ph	2 ²			2		
N	370	251	110	119	32	80
Patient subgroups	Cisplatin-ineligible	PD-L1 CPS < 10	PD-L1 CPS ≥ 10	All-comers	PD-L1 expression of ≥5% in ICs	PD-L1 expression of ≥1% in ICs
ORR, % (95% CI)	29 (24–34)*	21 (16–26)	47 (38–57)	22.7 (15.5–31.3)†	28.1 (13.8–46.8)†	23.8 (15.0–34.6)†
mPFS, mo (95% CI)	2.3 (2.1–3.4)*	NA	NA	2.7 (2.1–4.2)†	4.1 (2.3–11.8)†	2.9 (2.1–5.4)†
mOS, mo (95% CI)	11.0 (10.0–13.6)*	10 (8–12)	19 (12–NR)	15.9 (10.4–NE)	12.3 (6.0–NE)	14.1 (9.2–NE)
Grade 3-4 AEs (top 3), %	NA ³			Fatigue: 3, AST increased: 3, ALT increased: 3 ⁵		
AEs leading to discontinuation, %	10 ³			9 ⁵		
Tx-related death, n	1 ³			1 ⁵		

Nádory močového měchýře a pembrolizumab, první linie léčby mUC, KEYNOTE 052- studie II.fáze



Data cut off : Říjen, 2017

Medián follow-up: 11.5 months (0.1 - 31.3 m)

Nádory močového měchýře a pembrolizumab, první linie léčby mUC, KEYNOTE 052, charakteristika souboru pt

Characteristic, n (%)	N = 370
Age, median (range), y	74 (34-94)
≤64 years	68 (18)
65-74 years	123 (33)
75-84 years	139 (38)
≥85 years	40 (11)
Men	286 (77)
ECOG performance status ^a	
0	80 (22)
1	134 (36)
2	155 (42)
3	1 (<1)
Primary tumor location	
Upper tract	69 (19)
Lower tract	300 (81)
Metastases location ^c	
Lymph node only	51 (14)
Visceral disease	315 (85)
Liver metastases	77 (21)

Characteristic, n (%)	N = 370
Prior adjuvant/neoadjuvant platinum-based chemotherapy ^d	37 (10)
Reasons for cisplatin ineligibility	
Renal dysfunction	183 (50)
ECOG performance status 2	120 (32)
ECOG performance status 2 and renal dysfunction	34 (9)
Other reasons ^e	33 (9)

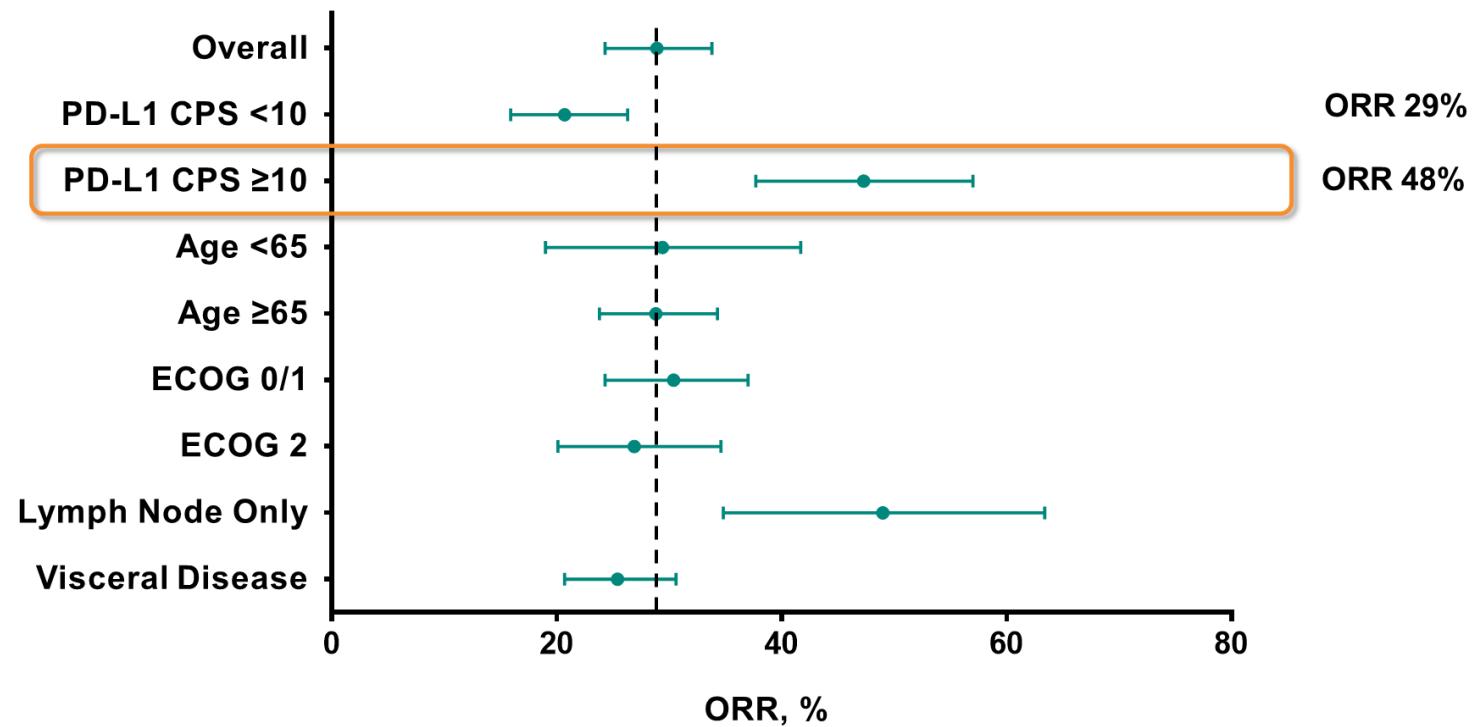
Characteristic, n (%)	N = 370
PD-L1 CPS ≥ 10	110 (32%)
PD-L1 CPS < 10	251 (68%)

Nádory močového měchýře a pembrolizumab, první linie léčby mUC, KEYNOTE 052, ORR u IIT

	Total Population	
	n	% (95% CI)
Objective response rate	107	29% (24.3-33.8)
Complete response	30	8 (5.5-11.4)
Partial response	77	21 (16.8-25.3)
Disease control rate	174	47 (41.8-52.3)
Stable disease	67	18 (14.3-22.4)
Progressive disease	156	42 (37.1-47.4)
No assessment	31	8 (5.8-11.7)
Not evaluable	9	2 (1.1-4.6)

Nádory močového měchýře a pembrolizumab, první linie léčby mUC, KEYNOTE 052, PD-L1 exprese a ORR

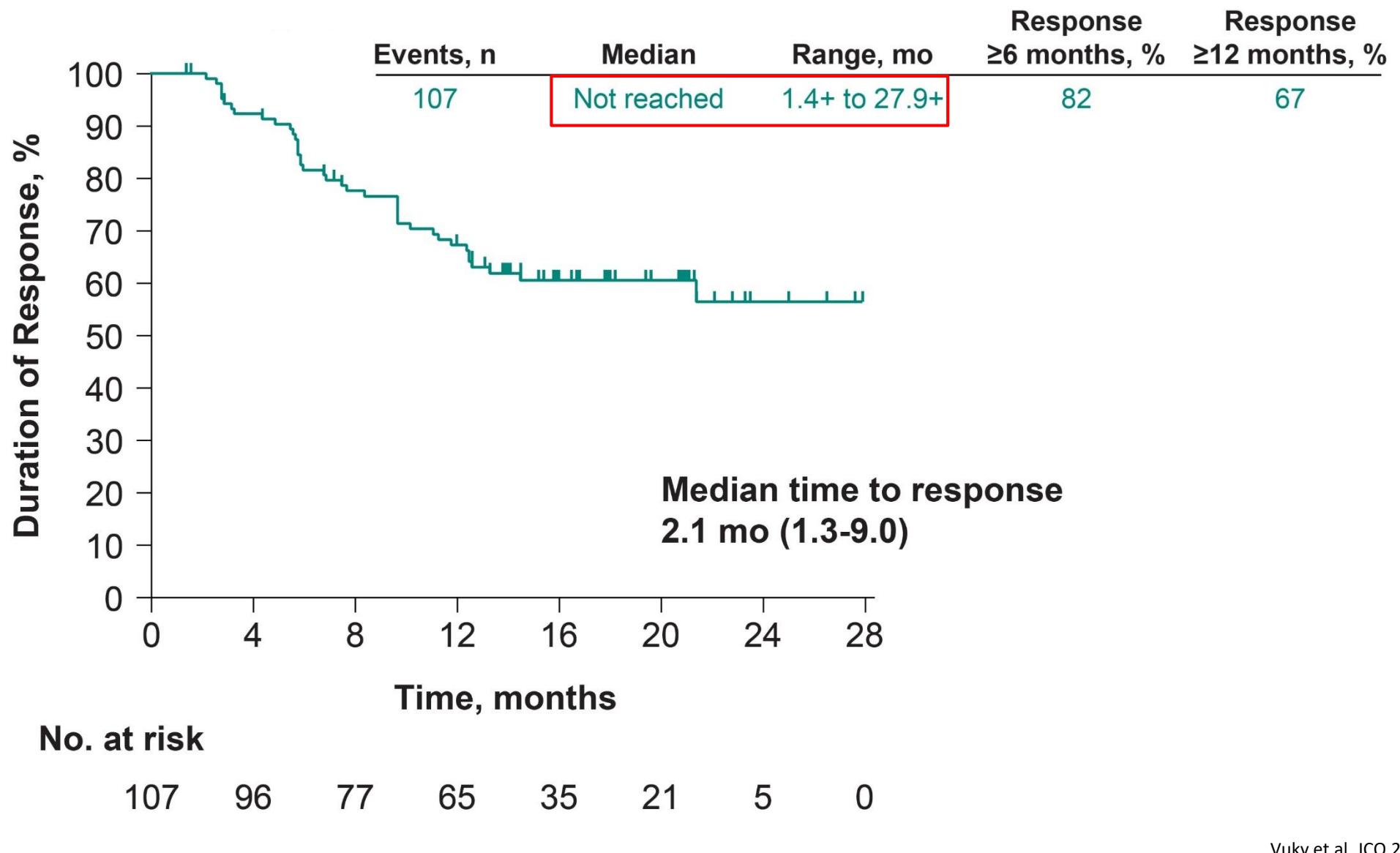
ORR dle podskupin: PD-L1 CPS \geq 10



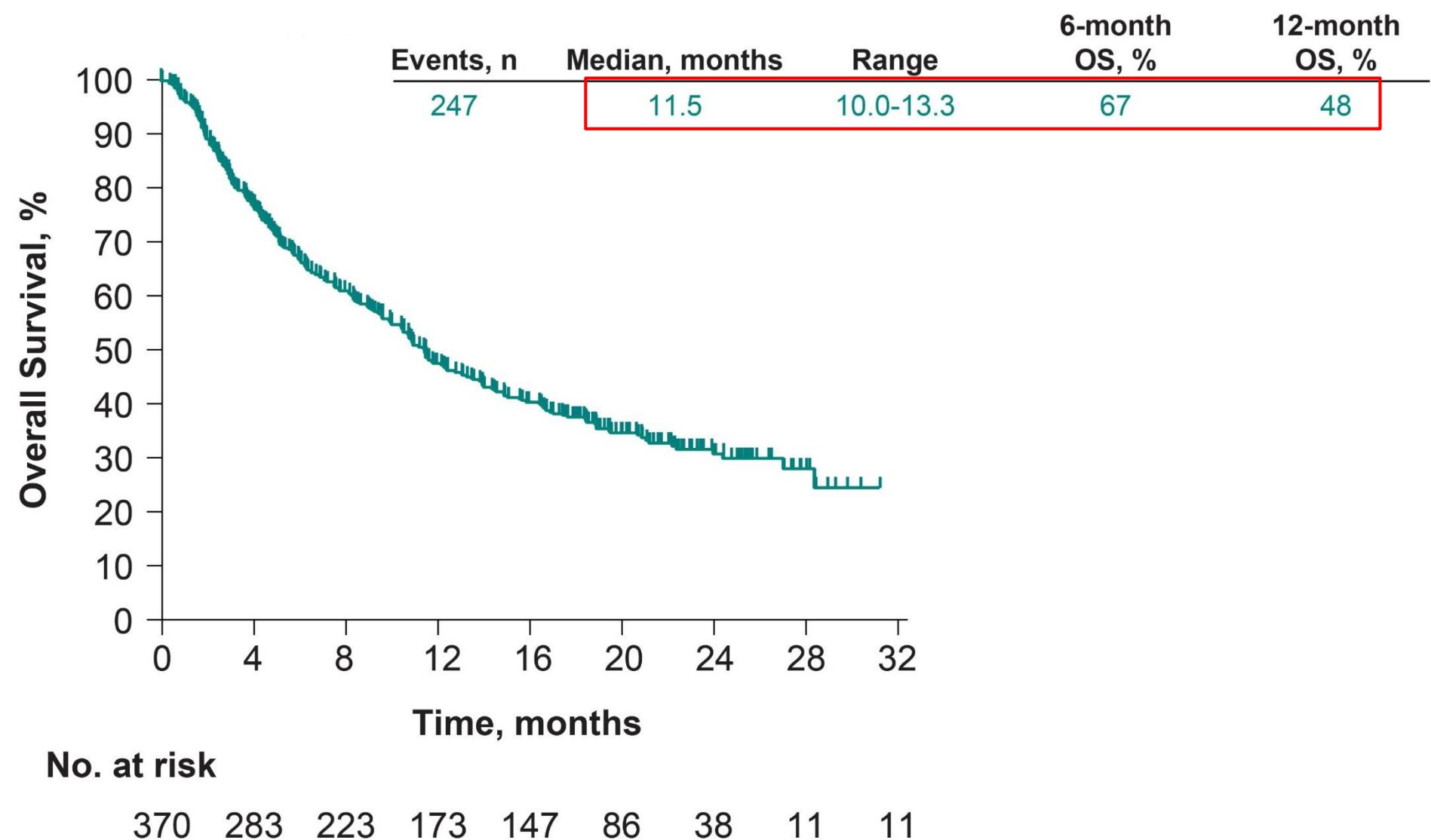
Data cutoff: Nov 30, 2017.

Vuky et al, JCO 2018

Nádory močového měchýře a pembrolizumab, první linie léčby mUC, KEYNOTE 052, DOR a doba do léčebné odpovědi



Nádory močového měchýře a pembrolizumab, první linie léčby mUC, KEYNOTE 052, OS



Nádory močového měchýře a pembrolizumab, první linie léčby mUC, KEYNOTE 052, OS dle podskupin

	N	Events, n (%)	Median OS (95% CI), months
All patients	370	247 (66.8)	11.5 (10.0-13.3)
PD-L1 subgroup			
PD-L1 CPS <10	251	186 (74.1)	10.0 (7.8-11.6)
PD-L1 CPS ≥10	110	57 (51.8)	18.5 (12.2-NR)
Age			
<65 years	68	41 (60.3)	15.7 (6.9-NR)
≥65 years	302	206 (68.2)	11.9 (9.7-12.8)
ECOG performance status			
0/1	214	134 (62.6)	13.1 (11.0-16.8)
2	156	113 (72.4)	9.7 (5.7-11.6)
Metastases location			
Lymph node only	51	22 (43.1)	NR (12.4-NR)
Visceral disease	315	223 (70.8)	10.8 (9.0-11.8)

Nádory močového měchýře a pembrolizumab, první linie léčby mUC, NUL

	All n (%)	Grade 1 n (%)	Grade 2 n (%)	Grade 3 n (%)	Grade 4 n (%)
Any	107 (29)	24 (9)	49 (13)	29 (8)	5 (1)
Hypothyroidism	42 (11)	9 (2)	33 (9)	0	0
Pneumonitis	15 (4)	4 (1)	6 (2)	5 (1)	0
Hyperthyroidism	11 (3)	8 (2)	3 (<1)	0	0
Colitis	10 (3)	2 (<1)	2 (<1)	5 (1)	1 (<1)
Adrenal insufficiency	6 (2)	0	1 (<1)	3 (<1)	2 (<1)
Hepatitis	3 (<1)	0	0	3 (<1)	0
Thyroiditis	3 (<1)	0	2 (<1)	1 (<1)	0
Type 1 diabetes mellitus	3 (<1)	0	1 (<1)	2 (<1)	0
Autoimmune hepatitis	2 (<1)	0	0	2 (<1)	0
Dermatitis bullous	2 (<1)	1 (<1)	1 (<1)	0	0
Diabetic ketoacidosis	2 (<1)	0	0	1 (<1)	1 (<1)
Myocarditis	2 (<1)	0	0	1 (<1)	1 (<1)
Pruritus	2 (<1)	0	0	2 (<1)	0
Rash	2 (<1)	0	0	2 (<1)	0
Tubulointerstitial nephritis	2 (<1)	0	0	2 (<1)	0

Druhá a vyšší linie paliativní léčby

- Taxany, vinylogen

- Chemoterapie

Regimens	
Ph	
N	
ORR, %	
mPFS, mo	
mOS, mo	
Grade 3-4 AEs (top 3), %	
AEs leading to discontinuation, %	
Tx-related death, n	

Table 1.

Vinflunin

Observations reporting on clinical outcome of VFL in daily clinical practice since the drug's approval in 2009.

Author	Number of observed patients	OS/PFS (months)
Pistamaltzian et al. [2016]	<i>n</i> = 71, retrospective study	11.9/6.9
Moriceau et al. [2015]	<i>n</i> = 19, retrospective study	4.0/2.9
Medioni et al. [2016]	<i>n</i> = 134, retrospective study	8.2/4.2
Hegele et al. [2014]	<i>n</i> = 21, retrospective study	6.2/4.4
Retz et al. [2015]	<i>n</i> = 77, prospective study	7.7/–
Castellano et al. [2014]	<i>n</i> = 102, prospective study	10.0/3.9
Palacka et al. [2014]	<i>n</i> = 16, prospective study	5.2/2.3
Summarized	<i>n</i> = 440, prospective and retrospective observations	7.6/4.1
Bellmunt et al. [2009]	<i>n</i> = 259, phase III trial	6.9/3.0

Odpovědi na léčbu: PR
8,6%, SD 46%

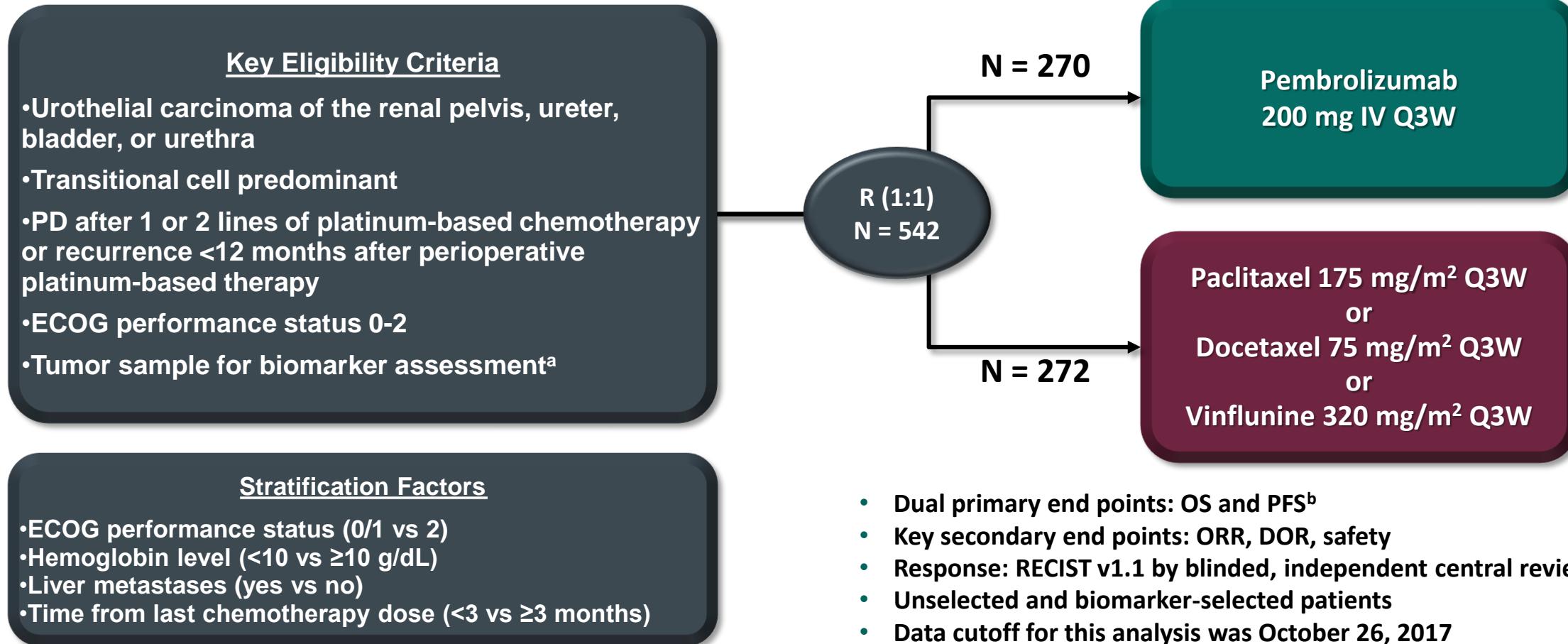
OS, overall survival; PFS, progression-free survival.

Druhá a vyšší linie paliativní léčby

- Taxany, vinflunin a zase IMUNOTERAPIE
- Imunoterapie: pembrolizumab, atezolizumab, nivolumab ... a další

	KEYNOTE-045 ^{1,2,3}			IMvigor210 (cohort 2) ^{4,5}			CheckMate 275 ^{6,7}			Study 1108 ^{8,9}			JAVELIN ¹⁰		
Regimens	Pembrolizumab vs chemotherapy			Atezolizumab			Nivolumab			Durvalumab			Avelumab ^{††}		
Ph	3			2			2			1/2			1		
N	270 vs 272			310			270			191			161		
Patient subgroups	ITT population	PD-L1 CPS < 10	PD-L1 CPS ≥ 10	All-comers	PD-L1 expression of ≥ 5% in ICs	PD-L1 expression of ≥ 1% in ICs	All-comers	Tumor PD-L1 expression of < 1%	Tumor PD-L1 expression of ≥ 1%	All-comers	PD-L1 expression of ≥ 1% in ICs	PD-L1 low or negative	All-comers	PD-L1 expression of ≥ 5% in ICs	PD-L1 expression of < 5% in ICs
ORR, % (95% CI)	21.1* vs 11.4* ($P^t=0.001$)	NA ¹	21.6 vs 6.7 ³	15.8 (11.9, 20.4)	28.0 (19.5, 37.9)	19.3 (14.2, 25.4)	20 (16, 26)	16 (10, 23)	26 (18, 34)	17.8 (12.7, 24.0)	27.4 (18.7, 37.5)	4.1 (0.9, 11.5)	17 (11, 24)	24 (14, 36)	13 (7, 23)
mPFS, mo (95% CI)	2.1* vs 3.3* ($P^t=0.416$) ($HR^§=0.98$)	NA ¹	NA ¹	NA ³			2.0 (1.9, 2.6)	1.9 (1.8, 2.0)	3.6 (1.9, 3.7)	1.5 (1.4, 1.9)	2.1 (1.4, 2.8)	1.4 (1.3, 1.5)	6.3 wks (6.0, 10.1)	11.9 wks (6.1, 18.0)	6.1 wks (5.9, 8.0)
mOS, mo (95% CI)	10.3 vs 7.4 ($P^t=0.002$) ($HR^§=0.73$)	NA**	NA**	NA ^{3,4††}			8.6 (6.05, 11.27)	5.9 (4.37, 8.08)	11.6 (9.10, NE)	18.2 (8.1, NE)	20.0 (11.6, NE)	8.1 (3.1, NE)	6.5 (4.8, 9.5)	8.2 (5.7, 13.7)	6.2 (4.3, 14.0)
Grade 3-4 TRAEs, %	Grade 3–5: 15.0 vs 49.4			16			23			6.8			8		
TRAEs leading to discontinuation, %	5.6 vs 11.0			NA			NA			1.6			6		
Tx-related death, n	1.5 vs 1.6			0			1			1			<1		

Nádory močového měchýře a pembrolizumab, druhá linie léčby mUC, KEYNOTE 045, design studie- III.fáze

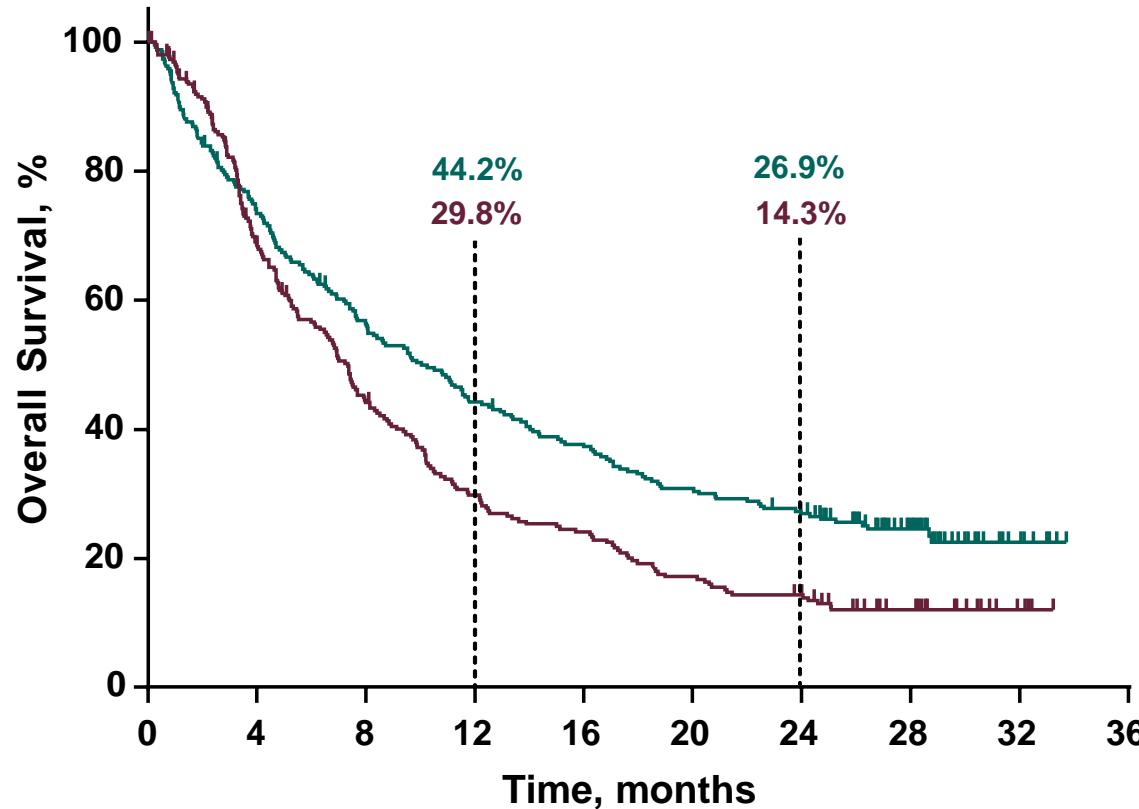


Nádory močového měchýře a pembrolizumab, druhá linie léčby mUC, KEYNOTE 045, charakteristika souboru

n (%)	Pembro N = 270	Chemo N = 272
Age, median (range), y	66 (29-88)	65 (26-84)
Men	200 (74.1)	202 (74.3)
Upper tract disease	38 (14.1)	37 (13.6)
Lower tract disease	232 (85.9)	235 (86.4)
ECOG performance status ^a		
0	120 (44.4)	106 (39.0)
1	142 (52.6)	158 (58.1)
2	3 (1.1)	4 (1.5)
Visceral disease	241 (89.3)	235 (86.4)
Disease in lymph node only	28 (10.4)	37 (13.6)
Liver metastases	91 (33.7)	95 (34.9)
Hemoglobin <10 g/dL ^b	43 (15.9)	44 (16.2)
PD-L1 CPS ≥10	74 (27.4)	90 (33.1)

n (%)	Pembro N = 270	Chemo N = 272
Time since completion of most recent therapy		
≥3 months	167 (61.9)	168 (61.8)
<3 months	103 (38.1)	104 (38.2)
Setting of most recent therapy		
Neoadjuvant	19 (7.0)	22 (8.1)
Adjuvant	12 (4.4)	31 (11.4)
First line	184 (68.1)	158 (58.1)
Second line	55 (20.4)	59 (21.7)
Third line	0	2 (0.7)
Risk factors ^c		
0	54 (20.0)	45 (16.5)
1	97 (35.9)	97 (35.7)
2	66 (24.4)	80 (29.4)
3/4	45 (16.7)	45 (16.5)

Nádory močového měchýře a pembrolizumab, druhá linie léčby mUC, KEYNOTE 045, OS



	Events, n	HR (95% CI) ^a	P ^b
Pembro	200	0.70 (0.57-0.85)	
Chemo	219		

Median (95% CI):

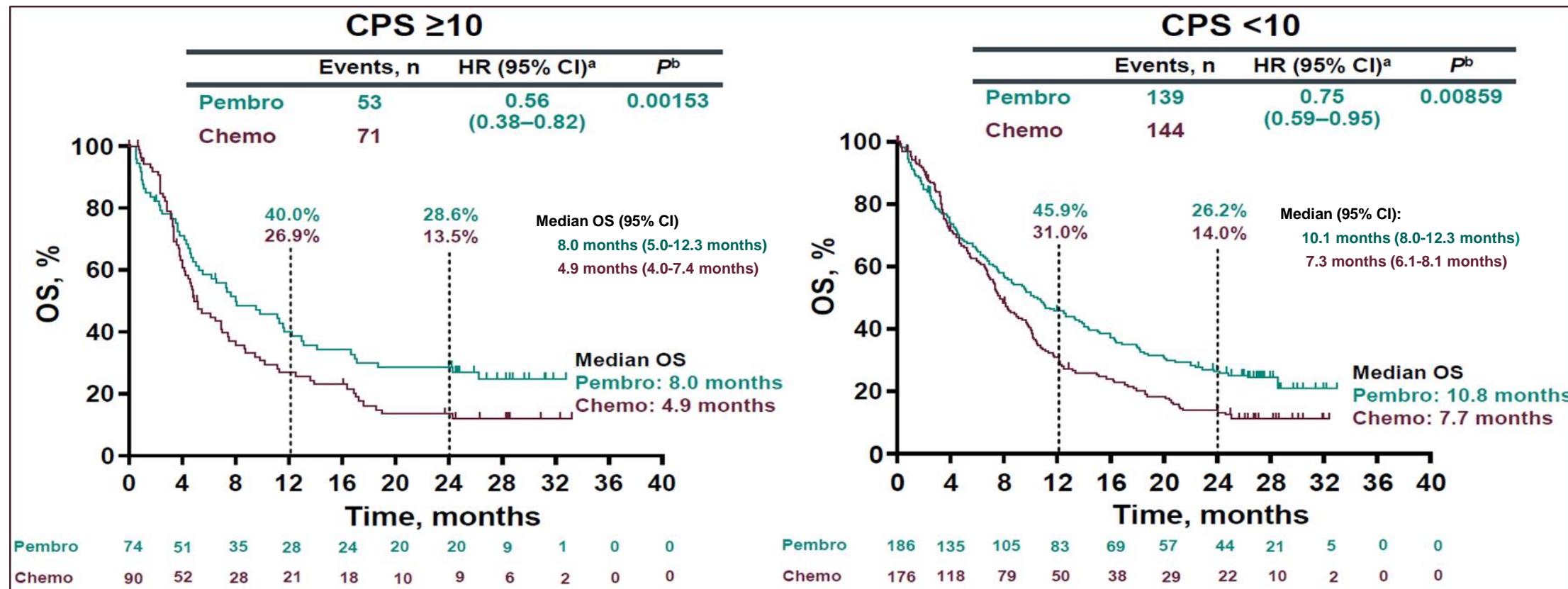
10.1 months (8.0-12.3 months)
7.3 months (6.1-8.1 months)

- 60.6% pacientů v rameni s chemoterapií bylo následně léčeno anti PD-1/PD-L1 léčbou (přeživší 24 měsíců a více)

No. at risk

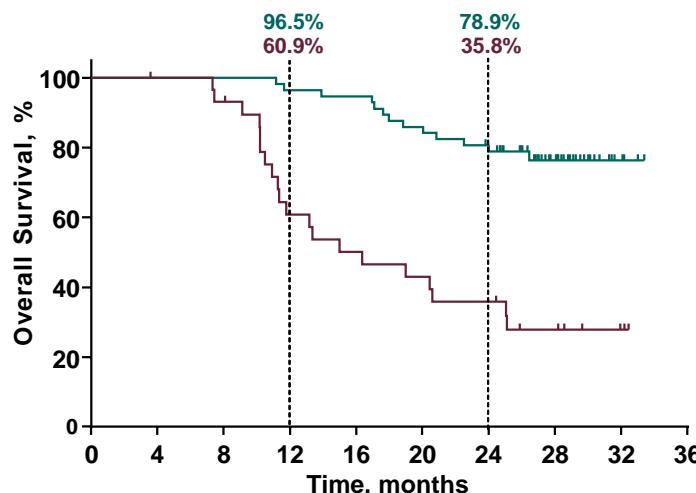
Pembrolizumab	270	195	148	116	98	80	67	33	7	0
Chemotherapy	272	173	109	73	59	42	34	18	4	0

Nádory močového měchýře a pembrolizumab, druhá linie léčby mUC, KEYNOTE 045, OS dle PD-L1



Nádory močového měchýře a pembrolizumab, druhá linie léčby mUC, KEYNOTE 045, OS dle odpovědi na léčbu

**Responders
CR + PR (N = 87)**



No. at risk

Pembrolizumab	57	57	57	55	54	49	43	22	4	0
Chemotherapy	30	29	27	17	14	12	10	6	2	0

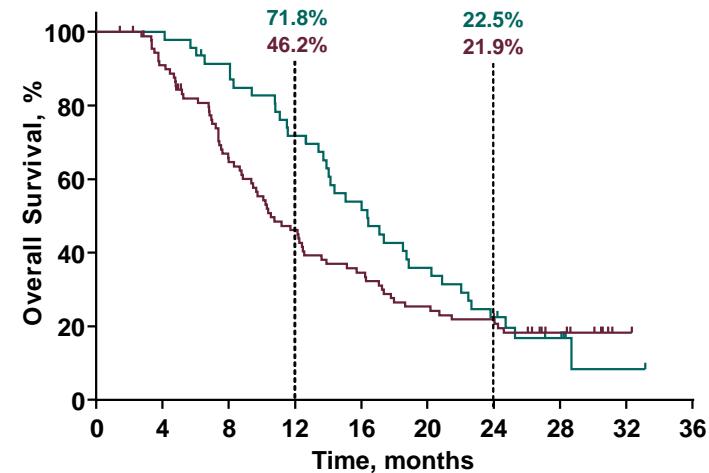
Median OS

Pembro: NR (95% CI, NR-NR)

Chemo: 16.4 months (95% CI, 11.3-25.1 months)

HR: **0.14** (95% CI, 0.06-0.33), $P < 0.00001$

SD (N = 139)



No. at risk

Pembrolizumab	47	47	42	33	24	16	10	5	1	0
Chemotherapy	92	81	56	40	30	22	19	9	1	0

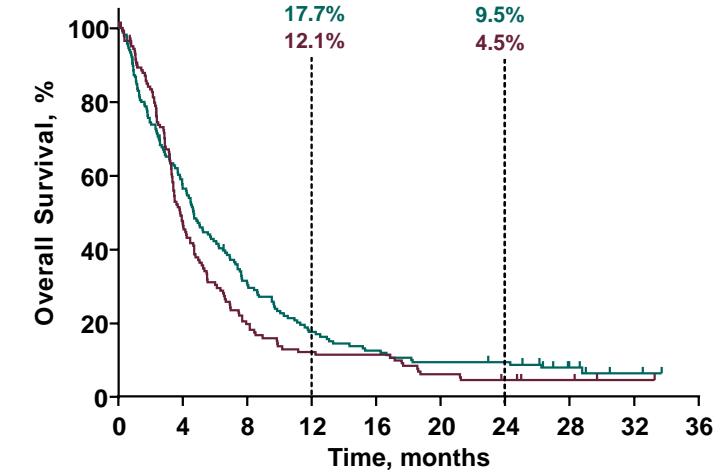
Median OS

Pembro: 16.4 months (95% CI, 13.7-18.9 months)

Chemo: 10.5 months (95% CI, 8.8-12.6 months)

HR: 0.77 (95% CI, 0.51-1.17), $P = 0.10404$

**Nonresponders
PD + Not Assessed +
Not Evaluable (N = 316)**



No. at risk

Pembrolizumab	166	91	49	28	20	15	14	6	2	0
Chemotherapy	150	63	26	16	15	8	5	3	1	0

Median OS

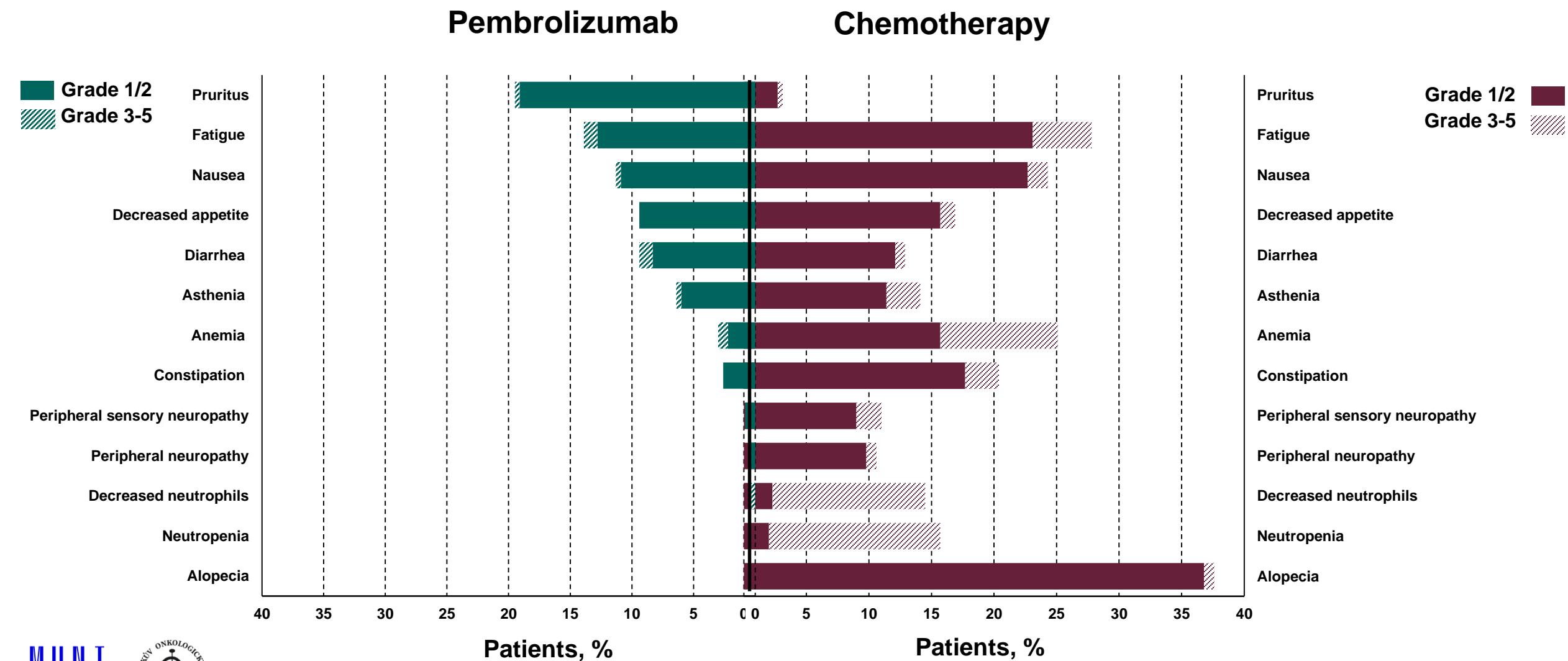
Pembro: 4.7 months (95% CI, 3.9-5.9 months)

Chemo: 3.8 months (95% CI, 3.3-4.4 months)

HR: 0.85 (95% CI, 0.66-1.09), $P = 0.09751$

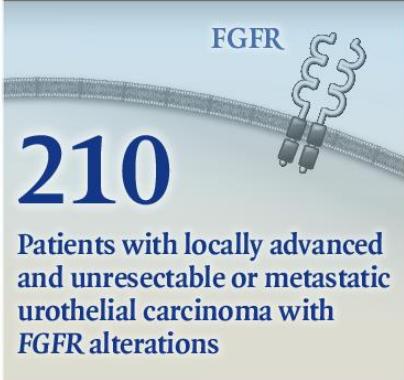
Fradet et al, Ann Oncology 2018

Nádory močového měchýře a pembrolizumab, druhá linie léčby mUC, KEYNOTE 045, NUL (více než 10% pt)



Erdafitinib for Urothelial Carcinoma

MULTICENTER, OPEN-LABEL, PHASE 2 STUDY



Erdafitinib

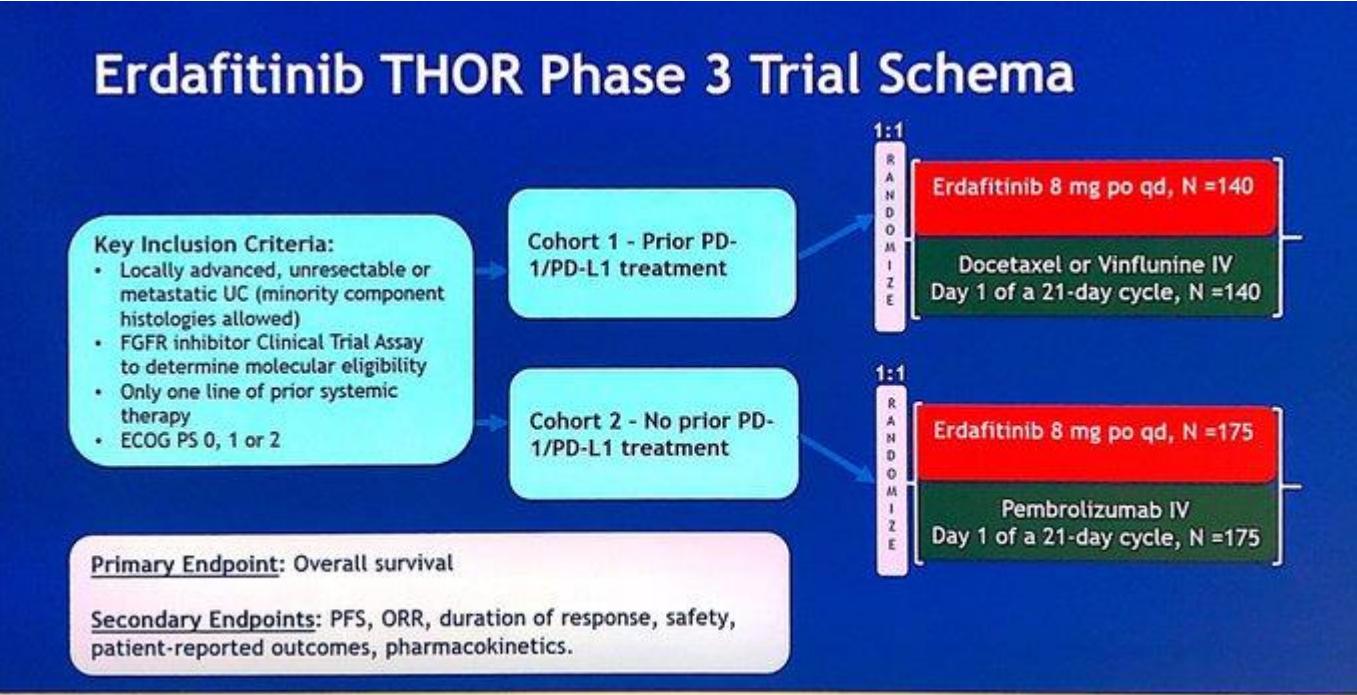
Dose-Selection Phase

10 mg/day (intermittently)	6 mg/day (continuously)
(N = 33)	(N = 78)

Interim analysis completed
and regimen selected

Rate of confirmed response

Grade ≥ 3 adverse events



Y. Loriot et al. 10.1056/NEJMoa1817323

PRESENTED AT: 2018 ASCO ANNUAL MEETING #ASCO18

95% CI, 31–50

67%

Copyright © 2019 Massachusetts Medical Society

PRESENTED BY: Evan Y. Yu, M.D.

16

,4 měsíce,

é sice

- Medián PFS a OS z

Response according to daily dose of erdafitinib — no./total no.

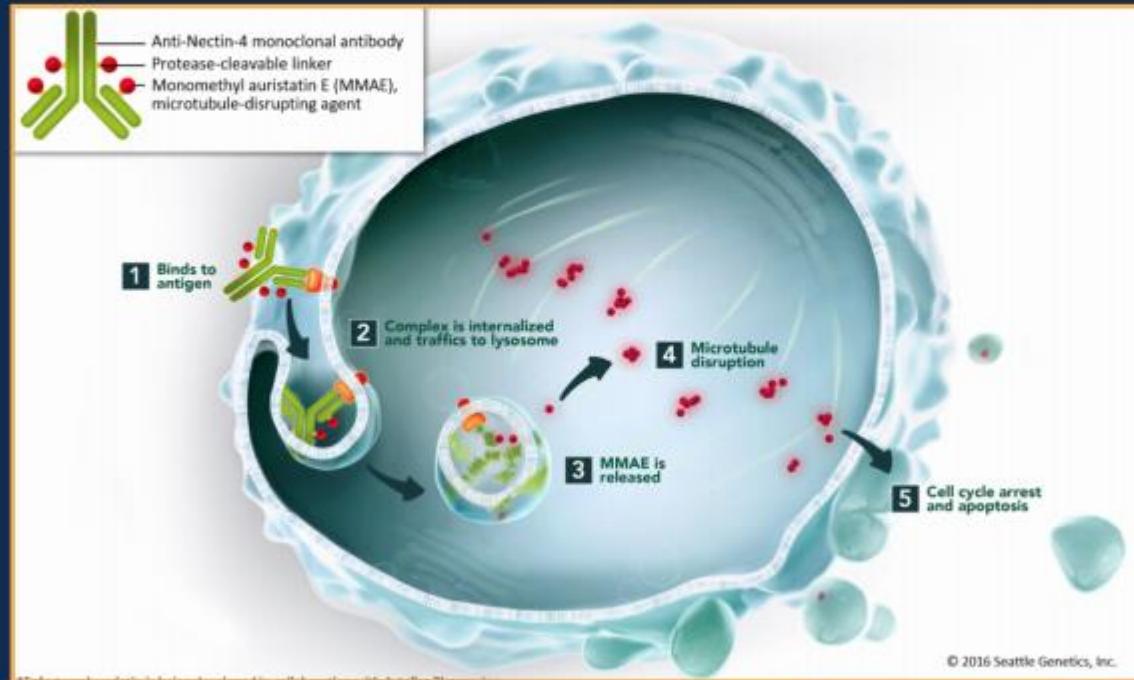
8 mg	20/58	34 (22–47)
8 mg with dose escalation to 9 mg	20/41	49 (34–67)

Response according to genetic alteration — no./total no.

FGFR3 mutation	36/74	49 (37–60)
FGFR2/3 fusion	4/25	16 (2–30)

Druhá a vyšší linie paliativní léčby, Enfortumab vedotin, PADCEV®

Enfortumab Vedotin: Proposed Mechanism of Action



Enfortumab Vedotin is being co-developed by Seattle Genetics, Inc. and Astellas Pharma Inc.

Druhá a vyšší linie paliativní léčby, Enfortumab vedotin, studie fáze II- kohorta 1 a 2 - po selhání imunoterapie s nebo bez předchozí chemoterapií

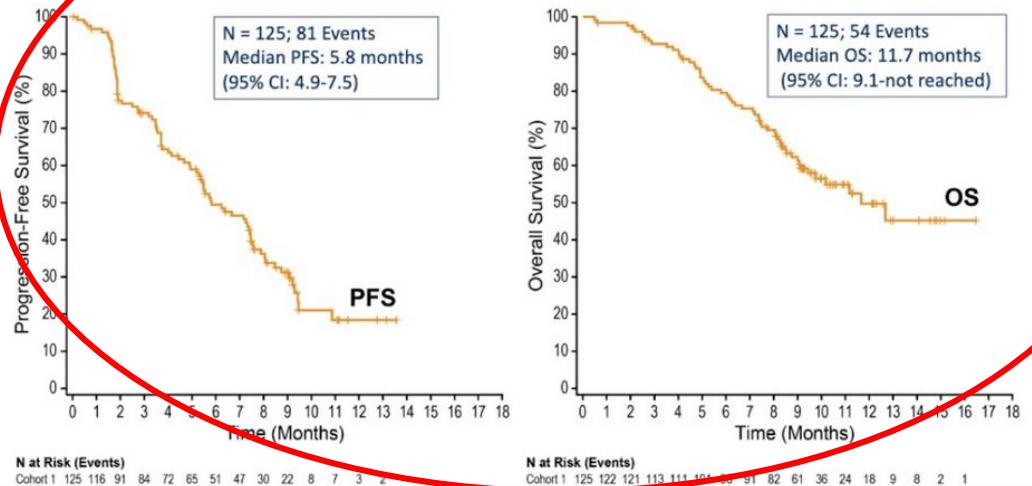
EV-201: Single-Arm, Pivotal Phase 2 Trial



	Patients (N=125)
Male sex, n (%)	88 (70)
Age, years	
Median (min, max)	69 (40, 84)
≥75 years, n (%)	34 (27)
ECOG PS of 1, n (%)	85 (68)
Primary tumor location, n (%)	
Bladder/other	81 (65)
Upper tract	44 (35)
Number of prior systemic therapies ¹ , median (range)	3 (1, 6)
≥2 Bellmunt adverse prognostic factors	52 (42)
Metastasis sites, n (%)	
Lymph nodes only	13 (10)
Visceral disease	112 (90)
Liver	50 (40)
PD-L1 status by combined positive score ²	
<10	78/120 (65)
≥10	42/120 (35)

Patients (N=125) n (%)
Confirmed objective response rate 95% confidence interval ¹
55 (44) (35.1, 53.2)
Best overall response per RECIST v. 1.1, n (%)
Complete response 15 (12)
Partial response 40 (32)
Stable disease 35 (28)
Progressive disease 23 (18)
Not evaluable ² 12 (10)

EV-201: Cohort 1 Kaplan-Meier Estimates of Survival



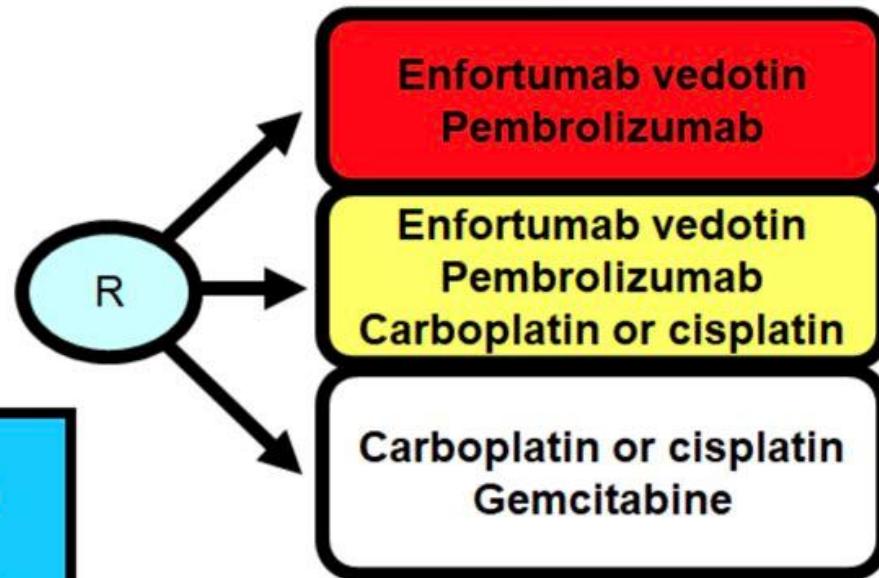
Druhá a vyšší linie paliativní léčby, Enfortumab vedotin

Enfortumab vedotin and pembrolizumab with or without chemotherapy vs chemotherapy alone in advanced urothelial cancer (EV302).

- 03/ NCT04223856
ved
pac
- Stu
mg,

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- Frist line advanced UC
- Performance status 0-2
- N=1095
- Endpoints=PFS and OS
- Open label
- Start date: March 2020



rtumabu
na „unfit“

→ 1,25

!!!, 53,7%

Děkuji za pozornost

