

#### HUTCHISON CHINA MEDITECH

#### **ASCO Investor Update**

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*Use of Non-GAAP Financial Measures* - This presentation includes certain non-GAAP financial measures. Please see the appendix slides titled "Non-GAAP Financial Measures and Reconciliation" for further information relevant to the interpretation of these financial measures and reconciliations of these financial measures to the most comparable GAAP measures.

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## Agenda

Introduction

Christian Hogg Chief Executive Officer

Weiguo Su Chief Scientific Officer

Weiguo Su Chief Scientific Officer

Marek Kania Chief Medical Officer, Int'l

Christian Hogg, All



## **Portfolio summary** Multiple waves of innovation – progressing rapidly





[1] In planning; [2] Investigator initiated trials (IITs); [3] SXBX = She Xiang Bao Xin (cardiovascular); [4] Previously genolimzumab (GB226).

Mveloid Leukemia<sup>[1]</sup>



# Savolitinib - selective MET inhibitor

## FAST APPROVAL OF MONOTHERAPY

#### **PAPILLARY RCC**

~8% RCC. No biomarker therapies approved.

#### **EXON14 MUTATION NSCLC**

*NDA under review*. First in China. Global in planning.

## **COMBINATION OPPORTUNITIES**

#### PD-L1 COMBINATION

Preliminary signal with Imfinzi<sup>®</sup>. Exploring further.

#### **POST-EGFR TKI NSCLC**

∽30% Tagrisso®-resistant pts. (Tag. 2019 \$3.2bn, #1 globally).

#### ► Global collaboration with AstraZeneca



Global Innovation

Note: Market size and patient population estimates are from Frost & Sullivan.

## Savolitinib Biggest opportunity is MET+ NSCLC





[1] Primary drivers, based on aggregate rocelitinib/Tagrisso data published at 2016/2017 ASCO; [2] Research estimates & including adjuvant approval; [3] company annual reports and Frost & Sullivan.

## **PRCC – unmet medical need** Lower response rates to treatments





[1] Frost & Sullivan; [2] Frost & Sullivan, based on US incidence mix and global incidence rate in 2018; [3] NCCN Guideline for kidney cancer (Version 1.2020, June 7, 2019) preferred or category 1 options, RCC = renal cell carcinoma; [4] ORR = Objective Response Rate, mPFS = median Progression-Free Survival, mOS = median Overall Survival, NR = not reached; For approved subgroup of patients; [5] only approved for patients with intermediate or poor risk RCC.



# Surufatinib - VEGFR, CSF-1R & FGFR1 inhibitor

#### **FAST APPROVAL OF MONOTHERAPY**

**BILIARY TRACT CANCER** 

Poor prognosis patients.

#### NET REGISTRATION (GLOBAL)

Fast Track Designation in U.S. Dialogue in EU & Japan.

#### **NET LAUNCH (CHINA)**

NDA under review; target launch Q4-20; Commercial team in place.

#### **COMBINATION OPPORTUNITIES**

#### **PD-1 COMBINATIONS**

Multiple PD-1s approach; MOA synergy CSF-1R & PD-1.

#### **PD-1 COMBINATIONS**

Multiple PD-1s approach; MOA synergy CSF-1R & PD-1.



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## High-level NET landscape Long-term disease – rapid deterioration in later stages <sup>[1][2][3]</sup>

**Grade 1 (G1) NET** Localized / Regional

**mOS:** 

16.2 yrs.,

Well Differentiated

Ki-67 Index ≤2; Mitotic Count <2

#### ~8-35% NET patients -Functional NET -

Hormone related symptoms:

> 94% flushing 78% diarrhea 53% heart plaque 51% cramping

Symptoms allow early diagnosis

Somatostatin Analogue

Treatment - modulate/ control symptoms related to hormone overproduction & tumor growth:

*Octreotide: \$1.6b revenue (2019) Lanreotide: \$1.2b revenue (2019)*  G1/2 – Advanced NET Regional / Distant

∽60% NET patients - first diagnosis at advanced disease stage -Mostly non-Functional NET - TKIs<sup>[4]</sup>; chemo/ radiotherapy

mOS: 8.3 yrs.

Moderately Differentiated Ki-67 Index 3-20; Mitotic Count 2-20 **G3 – NET/NEC** Distant

No approved treatments - exploring *I/O*<sup>[5]</sup> + *TKI combos* 



**Poorly Differentiated** *Ki-67 Index >20; Mitotic Count >20* 

[1] Arvind Desari et. al. Trends in the Incidence, Prevalence, and Survival Outcomes in Patients With Neuroendocrine Tumors in the US, JAMA Oncol. 2017;3(10):1335–1342; [2] Van Cutsem et al. ESMO – Neuroendocrine Tumors Diagnostic & Therapeutic Challenges, [3] mOS = median overall survival; [4] TKIS = Tyrosine Kinase Inhibitors; [5] I/O = Immuno oncology/immunotherapy



## **G1/2 Advanced NET**<sup>[1]</sup> *(Ki-67 Index 0-20)* Global opportunity in lung/other NETs & China wide-open



Site		est. %	Octreotide	Lanreotide	<sup>177</sup> Lu-Dotatate	Streptozocin	Sunitinib	Everolimus	Surufatinib (not approved)
Disease status			Treatment naïve	Stable disease	Progressed in past 3 yrs.	Historical	Progressed in past 12 mo.	Progressed in past 6 mo.	Progressed in past 12 mo.
	Stomach	7%		CLARINET <sup>[2]</sup>	Historical Ph. II SSR over expression			RADIANT-4 <sup>[3]</sup>	SANET-ep
	Small bowel / appendix	9%	PROMID	CLARINET <sup>[2]</sup>	NETTER-1			RADIANT-4 <sup>[3]</sup>	SANET-ep
GI Tract	Colon & Rectum	31%		CLARINET <sup>[2]</sup>	Historical Ph. II SSR over expression			RADIANT-4 <sup>[3]</sup>	SANET-ep
Pancreas		6%		CLARINET <sup>[2]</sup>	Historical Ph. II SSR over expression	Historical	PHASE III	RADIANT-3 <sup>[3]</sup>	SANET-p
Lung		20%						RADIANT-4 <sup>[3]</sup>	SANET-ep
Other	Other	∽17%							SANET-ep
	Unknown Primary	∽10%						RADIANT-4 <sup>[3]</sup>	SANET-ep

[1] Yao ESMO 2019; [2] CLARINET approved only for Ki-67 Index <10 (i.e. est. ~50% of G1/G2); [3] Everolimus approved in non-Functional NET (~60% pNET; 90% Lung NET; majority mid-gut/small bowel NET); [4] RADIANT-3 - Progressed in past 12 months.

China

Global (ex-China)



# AstraZeneca

## AstraZeneca and Chi-Med Harnessing the power of Chinese Innovation

# 2 Savolitinib: Exon 14 Skipping NSCLC

#### Abstract 9519: Phase II study of savolitinib in patients (pts) with pulmonary sarcomatoid carcinoma (PSC) and other types of non-small cell lung cancer (NSCLC) harboring MET exon 14 skipping mutations (METex14+)

#### Study population:



The study was designed to reject the null hypothesis that the ORR does not exceed 30%, with at least 90% power. Assuming the ORR was at least 55%, the minimum required sample size were 50 efficacy evaluable patients.

Savolitinib treatment:

- A total of 593 patients were prescreened/screened, 87 patients were identified METex14+, 70 patients were treated.
- As of March 31, 2020, 50 patients discontinued treatment, 20 patients were still on treatment, follow-up was ongoing.

\*Gene status verified by Sanger or NGS (Geneseeq Tetradecan Panel) in central lab.

Abbreviations: BW: Body weight; ORR: Objective response rate; DCR: disease control rate; DoR: duration of response; TTR: time to response; PFS: progression free survival; OS: overall survival; PSC: pulmonary sarcomatoid carcinoma; NSCLC: non-small cell lung cancer; RECIST: Response Evaluation Criteria In Solid Tumors.



**Primary Endpoint:** 

#### **Demographics & Baseline Characteristics**

- Most of the patients were of senior age, with stage IV disease and previously treated with systemic antitumor treatment.
- The proportion of pts with PSC was 35.7% (25/70); half of pts with PSC were prior treatment naïve.
- Pts with brain metastasis was 24.3% (17/70).

grap	hics	PSC N=25	Other NSCLC N=45	Total N=70
		69.3	68.1	68.7
n (ra	nge)	(54.1-84.8)	(51.7-85.0)	(51.7-85.0)
ht, cm		161.0	164.0	163.5
median (range)		(145.0, 182.0)	(144.0, 183.0)	(144.0, 183.0)
eight, kg edian (ra	nge)	61.0 (44.0, 89.5)	60.0 (41.5, 84.0)	60.0 (41.5, 89.5)
	Former/	. , , ,		
oking tory,	current smoker	12 (48.0)	16 (35.6)	28 (40.0)
n (%)	Non-smoker	13 (52.0)	29 (64.4)	42 (60.0)
Gender, n (%)	Male	17 (68.0)	24 (53.3)	41 (58.6)
	Eomalo	8 (22 0)	21 (46 7)	20 (41 4)
	remate	ð (32.0)	21 (46.7)	29 (41.4)

PSC: pulmonary sarcomatoid carcinoma; NSCLC: non-small cell lung cancer.



#### Savolitinib demonstrated promising anti-tumor activity in METex14+ NSCLC

Efficacy evaluable set included pts who had measurable lesions at baseline, received at least one dose of study drug, and had at least one adequate scheduled ( $\geq$  6wks) post-baseline tumor assessment or radiological disease progression at anytime based on RECIST 1.1.

Pts excluded from efficacy evaluable set as below:

- 5 pts without post-baseline tumor assessment;
- 3 pts with 1 unscheduled tumor assessment of PR or SD within 6 wks; and
- 1 pt without target lesion as assessed by IRC.

Efficacy evaluable set	IRC (N=61)	Investigator (N=62)
Confirmed PR	30 (49.2)	32 (51.6)
SD	27 (44.3)	25 (40.3)
PD	4 (6.6)	5 (8.1)
Interim ORR, % (95% CI)	49.2 (36.1, 62.3)	51.6 (38.6, 64.5)
Interim DCR, % (95% CI)	93.4 (84.1, 98.2)	91.9 (82.2, 97.3)
Interim DoR, months, (95% CI)	9.6 (5.5, NR)	6.9 (5.0, NR)

PR: partial response; SD: stable disease; PD: progressive disease, NE: non-evaluable; non-CR/non-PD: noncomplete response/non-progressive disease; ORR: objective response rate; DCR: disease control rate; DoR: duration of response; IRC: independent review committee; NR: Not reached.



Full analysis set	IRC (N=70)	Investigator (N=70)
Confirmed PR	30 (42.9)	32 (45.7)
SD	27 (38.6)	25 (35.7)
Non-CR/non-PD*	1 (1.4)	0
PD#	7 (10.0)	8 (11.4)
NE**	5 (7.1)	5 (7.1)
Interim ORR, % (95% CI)	42.9 (31.1, 55.3)	45.7 (33.7, 58.1)
Interim DCR, % (95% CI)	82.9 (71.2, 90.8)	81.4 (70.3, 89.7)
Interim DoR, months, (95% CI)	9.6 (5.5, NR)	6.9 (5.0, NR)

\*1 pt without target lesion according to IRC assessment.

\*\*NE: 2 pts without post-baseline tumor evaluation; 3 pts with 1 unscheduled tumor assessment within 6 weeks. # PD: besides pts with assessment of PD, 3 pts died early without post-baseline tumor evaluation were included.



#### Potent anti-tumor activity & durable response in subgroups

#### Subgroup: pathological subtypes

Efficacy evaluable set	PSC	Other NSCLC
By IRC assessment	(n=20)	(n=41)
Interim ORR, n (%)	10 (50.0)	20 (48.8)
[95% CI]	[27.2, 72.8]	[32.9, 64.9]
Interim DCR, n (%)	18 (90.0)	39 (95.1)
[95% CI]	[68.3, 98.8]	[83.5, 99.4]
Interim DoR, months (95% CI)	NR (4.1, NR)	9.6 (4.2, NR)

Full analysis set	PSC	Other NSCLC
By IRC assessment	(n=25)	(n=45)
Interim ORR, n (%)	10 (40.0)	20 (44.4)
[95% CI]	[21.1, 61.3]	[29.6, 60.0]
Interim DCR, n (%)	18 (72.0)	40 (88.9)
[95% CI]	[50.6, 87.9]	[76.0, 96.3]
Interim DoR, months (95% CI)	NR (4.1, NR)	9.6 (4.2, NR)

#### Subgroup: prior systemic treatment

Efficacy evaluable set By IRC assessment	Treatment naïve (n=24)	Previously treated (n=37)
Interim ORR, n (%)	13 (54.2)	17 (46.0)
[95% CI]	[32.8, 74.5]	[29.5, 63.1]
Interim DCR, n (%)	23 (95.8)	34 (91.9)
[95% CI]	[78.9,99.9]	[78.1, 98.3]
Interim DoR, months (95% CI)	6.8 (3.8, NR)	NR (6.9, NR)

Full analysis set	Treatment näive	Previously treated
By IRC assessment	(N=28)	(N=42)
Interim ORR, n (%)	13 (46.4)	17 (40.5)
[95% CI]	[27.5, 66.1]	[25.6, 56.7]
Interim DCR, n (%)	23 (82.1)	35 (83.3)
[95% CI]	[63.1, 93.9]	[68.6, 93.0]
Interim DoR, months (95% CI)	6.8 (3.8, NR)	NR (6.9, NR)

ORR: objective response rate; DCR: disease control rate; DOR: duration of response; IRC: independent review committee. NR: Not reached.



#### **Progression-free survival assessed by IRC & overall survival**

As of 31 Mar 2020, PFS and OS data were both not mature.

- Median PFS was 6.9 months (95% CI 4.2, 19.3) with maturity of 50.0%.
- Median OS was 14.0 months (95% CI: 9.7, NR) with maturity of 45.7%.



- PFS of clinical significance both among PSC and other NSCLC subgroups.
- PSC with more progressive disease behavior than other type of NSCLC; PSC resistant to chemotherapy (historically, PFS<3 months)<sup>1,2</sup>.

1. Vieira T, et al. J Thorac Oncol. 2013;8(12):1574-7; 2. Ung M, et al. Clin Lung Cancer. 2016;17(5):391-7.

- Promising PFS was observed among previously treated subgroup.
- In the treatment naïve subgroup, nearly half of pts were with PSC (46.4%, 13/28), which reflected in the PFS of this subgroup.



#### Savolitinib has acceptable tolerability in METex14+ NSCLC pts

	Total N=70		
*Related AEs (overall rate ≥ 15%)	Any Grade n (%)	Grade ≥3 n (%)	
Any AE	69 (98.6)	29 (41.4)	
Peripheral edema	38 (54.3)	5 (7.1)	
Nausea	31 (44.3)	0	
Aspartate aminotransferase increased	26 (37.1)	9 (12.9)	
Alanine aminotransferase increased	26 (37.1)	7 (10.0)	
Vomiting	17 (24.3)	0	
Hypoalbuminemia	16 (22.9)	0	
Decreased appetite	13 (18.6)	0	
Blood bilirubin increased	12 (17.1)	0	
Asthenia	11 (15.7)	0	
Hypoproteinemia	11 (15.7)	0	

\*Related: probably related and possibly related.

Treatment emergent adverse event were presented; graded by CTCAE 4.03.

Median treatment duration of 70 pts was 6.8 months (range 0.2 to 37.3); 62 pts received 600mg QD, 8 received 400 mg QD.

Treatment-related serious adverse events (SAE):

- 18 (25.7%) pts reported.
- Hepatic function abnormal (4.3%), drug hypersensitivity (2.9%) and pyrexia (2.9%) reported in ≥2 pts.
- One patient had treatment-related fatal SAEs (tumor lysis syndrome).

Treatment-related AEs leading to dose discontinuation:

- 10 (14.3%) pts reported.
- Drug-induced liver injury and drug hypersensitivity each reported 2 pts (2.9%).
- Others each reported in 1 pt.

Savolitinib treatment was tolerable in most patients; the safety profile was consistent with the prior observations and no new safety signal identified.

**Conclusion:** Savolitinib demonstrated promising anti-tumor activity and acceptable tolerability in METex14+ NSCLC patients





# AstraZeneca

## AstraZeneca and Chi-Med Harnessing the power of Chinese Innovation

# 3 Savolitinib: Papillary Renal Cell Carcinoma

# SAVOIR: a Phase III study of savolitinib vs sunitinib in patients with *MET*-driven papillary renal cell carcinoma (PRCC)

<u>Toni K. Choueiri<sup>1</sup></u>, Daniel Y.C. Heng<sup>2</sup>, Jae Lyun Lee<sup>3</sup>, Mathilde Cancel<sup>4</sup>, Remy B. Verheijen<sup>5</sup>, Anders Mellemgaard<sup>5</sup>, Lone H. Ottesen<sup>5</sup>, Melanie M. Frigault<sup>6</sup>, Anne L'Hernault<sup>5</sup>, Zsolt Szijgyarto<sup>5</sup>, Sabina Signoretti<sup>7</sup>, Laurence Albiges<sup>8,9</sup>

<sup>1</sup>Dana-Farber Cancer Institute and Harvard Medical School; <sup>2</sup>Department of Medical Oncology, Tom Baker Cancer Center, University of Calgary, Calgary, Canada; <sup>3</sup>Asan Medical Center and University of Ulsan College of Medicine, Seoul, South Korea; <sup>4</sup>CHU Bretonneau Centre, Tours University, France; <sup>5</sup>Oncology R&D, AstraZeneca, Cambridge, UK; <sup>6</sup>Oncology R&D, AstraZeneca, Boston, MA, USA; <sup>7</sup>Department of Pathology, Brigham and Women's Hospital, Boston, MA, USA; <sup>8</sup>Department of Medical Oncology, Dana-Farber Cancer Institute, Boston, MA, USA; <sup>9</sup>Department of Cancer Medicine, Institut Gustave Roussy, Villejuif, France



## Introduction

- PRCC is the most common type of non-clear cell RCC, accounting for approximately 15% of all RCC<sup>1-3</sup>
- As a subset of PRCC cases are MET-driven, MET inhibition may be an appropriate targeted treatment approach<sup>1,2</sup>
  - MET has been found to be associated with major chromosome-level alterations in PRCC<sup>4</sup>
- Savolitinib (AZD6094, HMPL-504, volitinib) is a potent and selective MET-TKI under investigation in several malignancies<sup>5–7</sup>
  - Preclinical data and Phase I studies have shown that savolitinib has promising activity in animal models of PRCC, and leads to partial responses in patients with *MET*-driven PRCC<sup>8,9</sup>
- In a single-arm Phase II study, savolitinib demonstrated antitumor activity in patients with MET-driven PRCC<sup>10</sup>
  - Partial responses were confirmed in 18% of patients with *MET*-driven PRCC vs none with *MET*-independent disease<sup>10</sup>
  - This Phase II trial justified the investigation of savolitinib in a randomized controlled trial of *MET*-driven, locally advanced or metastatic PRCC<sup>10</sup>
- Here we report the results from the Phase III SAVOIR study (NCT03091192), which assessed savolitinib vs standard of care sunitinib in patients with *MET*-driven, locally advanced or metastatic PRCC

1. Linehan et al. N Engl J Med 2016;374:135–145; 2. Akhtar et al. Adv Anat Pathol 2019;26:124–132; 3. Graham et al. Eur Urol Oncol 2019;2:643–648; 4. Albiges et al. Clin Cancer Res 2014;20:3411–3421; 5. Hua et al. Cancer Res. 2015;75(15 Suppl):CT305; 6. Jia et al. J Med Chem 2014;25:57:7577–7589; 7. Gavine et al. Mol Oncol 2015;9:323–333; 8. Schuller et al. Clin Cancer Res 2015;21:2811–2819; 9. Gan et al. Clin Cancer Res 2019;25:4924–4932; 10. Choueiri et al. J Clin Oncol 2017;35:2993–3001. PRCC, papillary renal cell carcinoma; TKI, tyrosine kinase inhibitor



## SAVOIR study design

#### Open-label, randomized, Phase III trial (NCT03091192)



• Secondary endpoints: OS and ORR by BICR, safety and HRQoL

1. Albiges et al. ASCO; May 29–31, 2020; presented here: abstract e19321; 2. Frigault et al. AACR 2018;78:4541–4541.

\*In the absence of co-occurring *FH* or *VHL* mutations.<sup>2</sup> #Patients were excluded if they had previously received sunitinib or a MET inhibitor. <sup>‡</sup>Follow-up every 12 weeks after first year. BICR, blinded independent central review; HRQoL, health-related quality of life; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; PRCC, papillary renal cell carcinoma; QD, once daily; RCC, renal cell carcinoma; RECIST, Response Evaluation Criteria in Solid Tumors

early<sup>1</sup>



#### **SAVOIR** patient disposition



Data cut-off August 19, 2019.

\*Enrollment was stopped before reaching target 180 patients due to external data on predicted PFS with sunitinib in patients with *MET*-driven disease becoming available. #Patients who had *MET*-driven alteration in Part 1 screening but did not fulfil eligibility criteria for the main study in Part 2 screening, and therefore were not randomized. \*Patients in the savolitinib group were to receive 600 mg of savolitinib, or 400 mg of savolitinib if they weighed <50 kg; all patients in this group received 600 mg savolitinib. PFS, progression-free survival



#### **SAVOIR patient baseline characteristics**

Demographic characteristics	Savolitinib 600 mg (N=33)	Sunitinib 50 mg (N=27)
Age, median (range), years	60 (23, 78)	65 (31, 77)
Sex: male / female, n (%)	29 (88) / 4 (12)	17 (63) / 10 (37)
Race: white / black / Asian / other, n (%)	29 (88) / 1 (3) / 2 (6) / 1 (3)	23 (85) / 1 (4) / 3 (11) / 0
IMDC risk group*: poor / intermediate / favorable, n (%)	4 (12) / 22 (67) / 7 (21)	3 (11) / 17 (63) / 7 (26)
Line of therapy, n (%) 1 <sup>st</sup> line ≥ 2 <sup>nd</sup> line with prior VEGF-TKI ≥ 2 <sup>nd</sup> line without prior VEGF-TKI	28 (85) 3 (9) 2 (6)	25 (93) 0 2 (7)
Karnofsky Performance Status: 100% / 90% / 80%, n (%)	11 (33) / 15 (45) / 7 (21)	4 (15) / 16 (59) / 7 (26)
SAVOIR clinical trial assay-specific <i>MET</i> -driven (BICR) <sup>#</sup> , n (%) <i>MET</i> amplification <sup>‡</sup> <i>HGF</i> amplification <sup>‡</sup> <i>MET</i> mutation <sup>†</sup> Chromosome 7 gain <sup>§</sup>	1 (3) 1 (3) 2 (6) 30 (91)	1 (4) 0 3 (11) 26 (96)

Data cut-off August 19, 2019. \*Calculated from IVRS. #Patients can be counted in more than one subtype group for *MET*-driven by SAVOIR clinical trial assay. \*Amplification of ≥6 copies (in diploid genome). \**MET* kinase domain mutations (allele frequency >5%). <sup>§</sup>Gain of 1 copy above ploidy of the genome. BICR, blinded independent central review; IMDC, Independent Data Monitoring Committee; IVRS, interactive voice response system; VEGF-TKI, vascular endothelial growth factor receptor tyrosine kinase inhibitor



#### **SAVOIR progression-free survival**



#### Median PFS by BICR in months (95% CI)

Savolitinib 7.0 (2.8, NC) Sunitinib 5.6 (4.1, 6.9)

HR (95% CI): 0.71 (0.37, 1.36) Log-rank two-sided *P*-value: 0.313

PFS reported for sunitinib was in range with previous studies<sup>1,2</sup>

Data cut-off August 19, 2019.

1. Albiges et al. J Clin Oncol 2018;36:3624–3631; 2. Ravaud et al. Ann Oncol 2015;26:1123–1128. BICR, blinded independent central review; CI, confidence interval; HR, hazard ratio; NC, not calculated; PFS, progression-free survival



#### **SAVOIR overall survival**



#### Median OS by BICR in months (95% CI)

Savolitinib NC (11.9, NC) Sunitinib 13.2 (7.6, NC)

HR (95% CI): 0.51 (0.21, 1.17) Log-rank two-sided *P*-value: 0.110

Data cut-off August 19, 2019.

BICR, blinded independent central review; CI, confidence interval; HR, hazard ratio; NC, not calculated; OS, overall survival



## **SAVOIR antitumor activity**

Endpoint, n (%) [95% Cl]	Savolitinib (N=33)	Sunitinib (N=27)
ORR by BICR,* All partial responses	9 (27) [13.3, 45.5]	2 (7) [0.9, 24.3]
Disease control rate by BICR, <sup>#</sup> At 6 months At 12 months	16 (48) [30.8, 66.5] 10 (30) [15.6, 48.7]	10 (37) [19.4, 57.6] 6 (22) [8.6, 42.3]

- As of the data cut-off, no responding patients in the savolitinib group had disease progression, compared with 1 of 2 responding patients in the sunitinib group; response rate reported for sunitinib was in range with previous studies<sup>1,2</sup>
- It was not possible to calculate median DoR from the data as there were too few events
- Three responders on savolitinib were followed for >6 months after onset of response

Data cut-off August 19, 2019.

1. Albiges et al. J Clin Oncol 2018;36:3624–3631; 2. Ravaud et al. Ann Oncol 2015;26:1123–1128. \*Response did not need confirmation. #Disease control rate = complete response + partial responses + stable disease at time point. BICR, blinded independent central review; Cl, confidence interval; DoR, duration of response; NC, not calculated; ORR, objective response rate



#### Best percentage change from baseline in target lesion size



Data cut-off August 19, 2019. \*Savolitinib n=27; sunitinib n=24. Target lesion size, best percentage change waterfall plot by BICR. Nine patients (savolitinib n=6; sunitinib n=3) were not included in the target lesion size plot: no target lesions present at baseline that were selected as target lesions for the purpose of BICR assessment n=7 (savolitinib n=2); no post-baseline target lesion assessment captured n=2 (savolitinib n=1; sunitinib n=1). BICR, blinded independent central review



## **SAVOIR safety summary**

Patients with an event, n (%)	Savolitinib 600 mg (N=33)	Sunitinib 50 mg (N=27)
Any AE	30 (91)	27 (100)
Possibly causally related to treatment	22 (67)	25 (93)
Any AE grade ≥3	14 (42)	22 (81)
Possibly causally related to treatment	8 (24)	17 (63)
Any AE leading to death	0	3 (11)
Possibly causally related to treatment	0	1 (4)
Any AE leading to dose interruption of treatment	9 (27)	15 (56)
Any SAE	8 (24)	8 (30)
Possibly causally related to treatment	4 (12)	4 (15)
Any SAE leading to treatment discontinuation	3 (9)	2 (7)
Possibly causally related to treatment*	2 (6)	2 (7)
Received post-discontinuation disease-related therapy	12 (36)#	5 (19)#

Data cut-off August 19, 2019.

\*Possible treatment related SAEs that led to discontinuation were: ascites, increased alanine aminotransferase and increased aspartate aminotransferase for savolitinib; and thrombocytopenia and aggravated condition for sunitinib. #These values reflect the number of patients who received ≥1 post-discontinuation disease-related anticancer therapy; subjects could receive more than one type of anticancer therapy. AE, adverse event; SAE, serious adverse event



#### Most common adverse events independent of causality

AEs*, n (%)	Savolitinib 600 mg (N=33)		Sunitinib 50 mg (N=27)	
	All	Grade ≥3	All	Grade ≥3
Any AE	30 (91)	14 (42)	27 (100)	22 (81)
Anemia	2 (6)	0	12 (44)	4 (15)
Nausea	2 (6)	0	9 (33)	0
Decreased appetite	1 (3)	0	8 (30)	1 (4)
Palmar-plantar erythrodysesthesia syndrome	0	0	7 (26)	0
Thrombocytopenia	0	0	7 (26)	2 (7)
Diarrhea	0	0	6 (22)	1 (4)
Hypertension	1 (3)	0	6 (22)	4 (15)
Edema peripheral	11 (33)	0	3 (11)	0
Alanine aminotransferase increased	8 (24)	5 (15)	3 (11)	2 (7)
Aspartate aminotransferase increased	8 (24)	4 (12)	5 (19)	2 (7)
Dyspnea	7 (21)	1 (3)	4 (15)	0

Data cut-off August 19, 2019. \*≥20% in either treatment group. AE, adverse event



#### Conclusions

- Although patient numbers and follow-up were limited, savolitinib demonstrated encouraging efficacy and an improved safety profile vs sunitinib
- Patients receiving savolitinib experienced fewer grade ≥3 AEs and required fewer dose modifications than those receiving sunitinib, and there were fewer treatment-related AEs of any grade in the savolitinib group
- More patients from the savolitinib arm received a subsequent therapy
- Overall, in SAVOIR, early termination of recruitment precludes definitive conclusions from being drawn due to the small dataset. However, based on the emerging data, further investigation of savolitinib as a treatment option for *MET*-driven PRCC is warranted

AE, adverse event; PRCC, papillary renal cell carcinoma



## Acknowledgments

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#### In press at JAMA Oncology

JAMA Oncology | Original Investigation

May 29, 2020

#### **ONLINE FIRST**

#### **Efficacy of Savolitinib vs Sunitinib in Patients With MET-Driven Papillary Renal Cell Carcinoma** The SAVOIR Phase 3 Randomized Clinical Trial

Toni K. Choueiri, MD<sup>1</sup>; Daniel Y. C. Heng, MD<sup>2</sup>; Jae Lyun Lee, MD<sup>3</sup>; Mathilde Cancel, MD<sup>4</sup>; Remy B. Verheijen, PhD<sup>5</sup>; Anders Mellemgaard, MD<sup>5</sup>; Lone H. Ottesen, MD<sup>5</sup>; Melanie M. Frigault, PhD<sup>6</sup>; Anne L'Hernault, PhD<sup>5</sup>; Zsolt Szijgyarto, PhD<sup>5</sup>; Sabina Signoretti, MD<sup>7</sup>; Laurence Albiges, MD<sup>8,9</sup>

» Author Affiliations | Article Information

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#### Mechanism of Action

<u>Anti-angiogenesis</u>: cut off **blood** flow to tumor (VEGFR/FGFR).

Immunotherapy: inhibit expression of tumor-associated macrophages which cloak cancer cells from T-cell attack (CSF-1R).

Λ

Surufatinib

Tumor-associated macrophages

T-cells

Angiogenesis

## Efficacy and safety of Surufatinib in United States Patients with Neuroendocrine Tumors

#### American Society of Clinical Oncology, 2020 Presented by Arvind Dasari, MD

#### Dasari A<sup>1</sup>, Li D<sup>2</sup>, Sung M<sup>3</sup>, Tucci C<sup>4</sup>, Kauh J<sup>4</sup>, Kania M<sup>4</sup>, Paulson S<sup>5</sup>

<sup>1</sup> MD Anderson Cancer Center, Houston, TX, USA, <sup>2</sup> City of Hope Comprehensive Cancer Center and Beckman Research Institute, Duarte, CA, USA, <sup>3</sup> Tisch Cancer Institute at Mount Sinai, New York, NY, USA, <sup>4</sup> Hutchison MediPharma International Inc., Florham Park, NJ, USA, <sup>5</sup> Baylor Sammons Cancer Center, Dallas, TX, USA.

## Introduction

Surufatinib is a novel, oral, targeted inhibitor of tyrosine kinases VEGFR1, 2, & 3, FGFR1, and CSF-1R.

Two randomized placebo controlled phase 3 trials in advanced neuroendocrine tumor (NET) patients are complete. Both trials stopped per a pre-planned interim analysis showing superior efficacy of surufatinib over placebo.

#### ↗ <u>SANET-ep</u> (NCT02588170)

Demonstrated superior efficacy in pts with advanced extra-pancreatic neuroendocrine tumors (epNET).

Median progression free survival 9.2 vs. 3.8 months (HR: 0.334; 95% CI: 0.223, 0.499; p<0.0001).</p>

#### ↗ <u>SANET-p</u> (NCT02589821)

Demonstrated superior efficacy in pts with advanced pancreatic neuroendocrine tumors (pNET)<sup>1</sup>.

□ Results pending disclosure at upcoming scientific conference.

We report data from the ongoing US trial in patients with NETs to demonstrate similar efficacy and safety in a US population.

<sup>&</sup>lt;sup>1</sup> https://www.chi-med.com/surufatinib-phase-iii-sanet-p-study-achieved-primary-endpoint/

## **Methods**

- A dose escalation/expansion study (NCT02549937) was conducted to evaluate and confirm the effects of surufatinib in US patients.
- Dose escalation was completed and the MTD/RP2D was determined to be 300mg QD.
  - Equivalent to previous trials conducted in China.
- The primary objective of the expansion cohorts was to evaluate anticancer activity in patients with select indications including pNETs and epNETs.



MTD = maximum tolerated dose; RP2D = recommended Phase 2 dose; BTC = biliary tract cancer; STS = soft tissue sarcoma.

## **Anti-tumor Activity**

- As of 21-Apr-2020, 32 patients with heavily pre-treated progressive NETs (median prior lines of treatment: 3; range 1-8).
- 15 patients remain on active treatment 5 pNET pts (31%) and 10 epNET patients (63%).
- An objective response rate of 18.8% was observed in pNET patients
- No epNET patients have yet achieved a cPR (1 unconfirmed PR)

Best Tumor Assessment	pNET, n=16 n (%)	epNET, n=16 n (%)	
Complete Response (CR)	0	0	
Partial Response (PR)	3 (18.8)	0	
Stable Disease (SD)	13 (81.2)*	16 (100)+	
Progressive Disease (PD)	0	0	
Objective Response Rate (ORR)	18.8%	0%	
Disease Control Rate (DCR)	100%	100%	
Median Duration of Treatment	<b>7.1 months</b> Range (2.0-17.5)	<b>4.9 months</b> Range (1.0-10.2)	

\*One pNET patient had an unconfirmed PR \*One epNET patient had an unconfirmed PR

#### Anti-tumor Activity Maximum Change in Tumor Size (%)

- Surufatinib shows clinical efficacy irrespective of prior lines of therapy, including everolimus or sunitinib (median prior lines of treatment: pNET: 4; epNET: 2)
- Tumor growth was controlled in all NET patients



#### **Anti-tumor Activity** Duration of Treatment pNET

Surufatinib shows clinical efficacy irrespective of prior lines of therapy, including everolimus or sunitinib (median prior lines of treatment: 4)



#### **Anti-tumor Activity** Duration of Treatment epNET

Surufatinib shows clinical efficacy irrespective of prior lines of therapy, including everolimus (median prior lines of treatment: 2)



## **Safety Results**

The safety profile of surufatinib remains consistent with previously completed trials.

- **3**0 pts (93.8%) had reported at least one adverse event (AE), and 22 pts (68.8%) reported  $\geq$  grade 3 AE's.
- 5 patients discontinued treatment due to AE (pNET: 1; epNET 4)

TEAEs >15%	pNET (N=16) n (%)		epNET (N=16) n (%)		Total (N=32) n (%)	
	Any Grade	≥ Grade 3	Any Grade	≥ Grade 3	Any Grade	≥ Grade 3
Hypertension	6 (37.5)	2 (12.5)	13 (81.3)	7 (43.8)	19 (59.4)	9 (28.1)
Fatigue	8 (50.0)	0	8 (50.0)	0	16 (50.0)	0
Proteinuria	3 (18.8)	0	13 (81.3)	1 (6.3)	16 (50.0)	1 (3.1)
Diarrhea	8 (50.0)	3 (18.8)	5 (31.3)	1 (6.3)	13 (40.6)	4 (12.5)
Abdominal pain	1 (6.3)	0	7 (43.8)	0	8 (25.0)	0
AST increase	4 (25.0)	0	4 (25.0)	0	8 (25.0)	0
Hematuria	3 (18.8)	1 (6.3)	5 (31.3)	1 (6.3)	8 (25.0)	2 (6.3)
Rash	2 (12.5)	0	6 (37.5)	0	8 (25.0)	0
Headache	2 (12.5)	1 (6.3)	4 (25.0)	0	6 (18.8)	1 (3.1)
ALT increase	2 (12.5)	0	3 (18.8)	0	5 (15.6)	0
Peripheral Edema	1 (6.3)	0	4 (25.0)	0	5 (15.6)	0
Platelet Count Decreased	1 (6.3)	0	4 (25.0)	0	5 (15.6)	0
Urinary Retention	0 (0)	0	5 (31.3)	1 (6.3)	5 (15.6)	1 (3.1)
Vomiting	3 (18.8)	0	2 (12.5)	1 (6.3)	5 (15.6)	1 (3.1)

## **Conclusions**

- Surufatinib has demonstrated promising antitumor activity in US patients with progressive NETs
- A manageable safety profile has been seen and is comparable with the larger pool of surufatinib safety data
- PK and dose exposure data is consistent with collective pool of patients across the US and China<sup>1</sup>

Thank you to all of our patients, their families and participating site staff for their time and efforts in these trials

For questions and comments please contact: Arvind Dasari, MD - ADasari@mdanderson.org John Kauh, MD – Johnk@hmplglobal.com

<sup>1</sup> Dasari A. et al., Comparison of Pharmacokinetic Profiles and Safety of Surufatinib in Patients from China and the United States. American Association of Cancer Research 2020





# Summary Robust Efficacy in Challenging Patient Settings



Savolitinib in Exon 14 NSCLC

#### 

- Generally well tolerated and consistent with prior observations.
- S NDA accepted by NMPA in May; AZ lung cancer team to launch.
- S Evaluating global clinical development.

Savolitinib in PRCC (SAVOIR)

- S Encouraging efficacy & an improved safety profile vs. sunitinib.
  27% vs 7% ORR, OS hazard ratio 0.51, 42% vs 81% ≥Gr3 AEs.
- S Evaluating **restart of global clinical** development.

Surufatinib in US NET Patients

- Show antitumor activity in US NET, with safety profile, PK and dose exposure data consistent across US and China patients.
- S Agreed with FDA at Pre-NDA mtg: data from prior Phase IIIs + US data could form basis of Fast Track rolling US NDA submission, starting late 2020.



# Q&A





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Thank you