# Development Pipeline Progress Status

**July 30, 2021** 



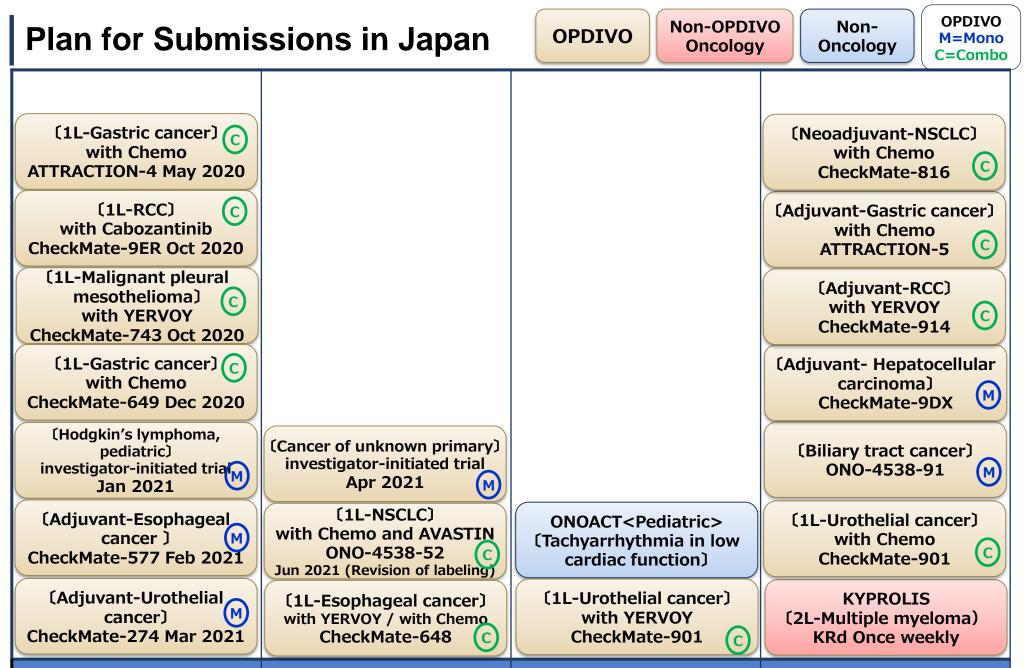
### **Cautionary Notes**

Forecasts and other forward-looking statements included in this document are based on information currently available and certain assumptions that the Company deems reasonable.

Actual performance and other results may differ significantly due to various factors. Such factors include, but are not limited to:

- (i) failures in new product development
- (ii) changes in general economic conditions due to reform of medical insurance system
- (iii) failures in obtaining the expected results due to effects of competing products or generic drugs
- (iv) infringements of the Company's intellectual property rights by third parties
- (v) stagnation of product supply from the delay in production due to natural disasters, fires and so on
- (vi) onset of new side effect of post-licensure medical product and,(vii) currency exchange rate fluctuations and interest rate trend.

Information about pharmaceutical products (including products currently in development) included in this document is not intended to constitute an advertisement of medical advice.



2020 (results) 2021 (1H) 2021 (2H) 2022



#### Development status of OPDIVO (1)

As of July 26, 2021

			Di				
Target disease	Line of Therapy	ne of Therapy Treatment			Phase		
			Japan	Korea	Taiwan	US	EU
Melanoma	Adjuvant • 1st • 2nd	Monotherapy, with lpi (1 <sup>st</sup> line only)	Approved	Approved	Approved	Approved	Approved
	Neo-adjuvant	with Chemo	III	III	III	III	III
		with Ipi	Approved	Approved	Approved	Approved	_
Non-small cell		with Ipi + Chemo	Approved	Approved	Approved	Approved	Approved
lung cancer	1st	with Chemo	Approved	_	_	_	_
		with Chemo (NSQ)	Revision of labeling	III	III	_	_
	2nd	Monotherapy	Approved	Approved	Approved	Approved	Approved
	Adjuvant	with lpi	III	_	_	III	III
	1st	with Ipi	Approved	Approved	Approved	Approved	Approved
Renal cell carcinoma		with TKI	Filed	III	III	Approved	Approved
		with lpi + TKI	_	III	III	III	III
	2nd	Monotherapy	Approved	Approved	Approved	Approved	Approved
Hodgkin's	Relapsed /Refractory	with Brentuximab	III	_	_	III	_
lymphoma		Monotherapy	Approved	Approved	Approved	Approved	Approved
Head and neck cancer	2nd	Monotherapy	Approved	Approved	Approved	Approved	Approved
Malignant pleural	1st	with Ipi	Approved	Approved	_	Approved	Approved
mesothelioma	SOC refractory	Monotherapy	Approved	_	_	_	_

#### Development status of OPDIVO (2)

As of July 26, 2021

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Target disease	Line of Therapy	Treatment	Japan	Korea	Phase Taiwan	US	EU
3.0000			Japan	Norea	Taiwaii	US	LU
Gastric cancer	Adjuvant	with Chemo	III	III	III	_	_
	1st	with Chemo	Filed	Approved	III	Approved	Filed
dastric caricer	150	with lpi	III	III	III	III	III
	3rd	Monotherapy	Approved	Approved	Approved	_	_
	Adjuvant	Monotherapy	Filed	III	III	Approved	Filed
Esophageal cancer	1st	with Ipi, with Chemo	III	III	III	III	III
	2nd	Monotherapy	Approved	Approved	Approved	Approved	Approved
Colorectal	1st	with Chemo	II / III	_	_	II / III	II / III
	MSI-H/dMMR (1st)	with lpi	III	_	_	III	III
cancer	MSI-Ḥ/ḍMMR	Monotherapy	Approved	_	Approved	Approved	-
	(3rd)	with lpi	Approved	_	Approved	Approved	Approved*
Hepatocellular carcinoma	Adjuvant	Monotherapy	III	III	III	III	III
	1st	with lpi	III	III	III	III	III
	2nd	Monotherapy, with Ipi	II	II	Approved**	Approved**	II
Biliary tract cancer	2nd	Monotherapy	Ш	_	_	_	_

<sup>\* 2</sup>nd line \* \* With Ipi (US), Monotherapy only (Taiwan)

#### Development status of OPDIVO (3)

As of July 26, 2021

Target	Line of Thereny	Treatment	Phase				
disease	Line of Therapy Treatmen	reatment	Japan	Korea	Taiwan	US	EU
Urothelial	Adjuvant /Neo-adjuvant	with IDO1 inhibitor + Chemo, with Chemo	III	III	III	III	III
cancer / Bladder	Adjuvant	Monotherapy	Filed	III	III	Filed	Filed
cancer	1st	with Ipi, with Chemo	III	III	III	III	III
	2nd	Monotherapy	II	Approved	Approved	Approved	Approved
Ovarian cancer	1st	with Rucaparib	III	III	III	III	III
Cancer of unknown primary	_	Monotherapy	Filed	_	_	_	_
Dosage and Administration	240 mg (every	2 weeks)	Approved	Approved	III	Approved	Approved
	360 mg (every	3 weeks)	Approved	Approved	Approved	Approved	Approved
	480 mg (every	4 weeks)	Approved	Approved	III	Approved	Approved

## Clinical trials in combination therapy OPDIVO & other Immuno-Oncology compounds

As of July 26, 2021

Development code (Generic name) Pharmacological action	Cancer type	Japan	US/EU	KR/TW
ONO-7701 (Linrodostat) IDO1 inhibitor	Bladder cancer	III	III	III
ONO-4686 Anti-TIGIT antibody	Solid tumor	1/11	1/11	-
ONO-7807 Anti-TIM-3 antibody	Solid tumor	1/11	1/11	-
ONO-4482 (Relatlimab) Anti-LAG-3 antibody	Melanoma	1/11	11/111	-
	Solid tumor, Gastric cancer	I	1/11	-
ONO-4578	Colorectal cancer	I	-	-
PG receptor (EP4) antagonist	Pancreatic cancer	I	-	-
	Non-small cell lung cancer	I	-	-
ONO-7475 Axl/Mer inhibitor	Solid tumor	ı	-	-
	Solid tumor	I	1/11	-
ONO-7911 (Bempegaldesleukin)	Melanoma	-	III	-
PEGylated IL-2	Renal cell carcinoma	-	III	-
	Bladder cancer	-	III	

# Development pipeline in Japan (Oncology area other than OPDIVO)

As of July 26, 2021

Product name/ Development code (Generic name)	Target indication	Pharmacological action	
【Phase II 】			
BRAFTOVI (Encorafenib)	BRAF-mutant thyroid cancer	BRAF inhibitor	
MEKTOVI (Binimetinib)	BRAF-mutant thyroid cancer	MEK inhibitor	
【Phase I】			
	Solid tumor, Gastric cancer		
ONO 4579 *	Colorectal cancer	PG receptor (EP4)	
ONO-4578 *	Pancreatic cancer	antagonist	
	Non-small cell lung cancer		
ONO-7475	Solid tumor *	Axl / Mer inhibitor	
0110-7473	Non-small cell lung cancer	AXI / Wei illilibitoi	
	Solid tumor		
ONO-7913	Myelodysplastic syndrome	Anti-CD47 mAb	
0110-7913	Pancreatic Cancer *	Allu-CD47 IIIAb	
	Colorectal Cancer *		
ONO-7912	Pancreatic Cancer	Cancer metabolism inhibitor	

**Combination with Opdivo.** 

#### Development pipeline in Japan (Non-oncology)

As of July 26, 2021

Product name/ Development code (Generic name)	Target indication	Pharmacological action	
【PhaseIII】			
ORENCIA (Abatacept)	Polymyositis/Dermatomyositis	T-cell activation inhibitor	
【Phase II / III 】			
ONOACT (Landiolol hydrochloride)	Tachyarrhythmia in low cardiac function <pediatric></pediatric>	Short-active selective β1 blocker	
【Phase II 】			
JOYCLU/ ONO-5704 · SI-613	Enthesopathy	Hyaluronic acid-NSAID	
VELEXBRU (Tirabrutinib)	Pemphigus	BTK inhibitor	
ONO-2910	Diabetic polyneuropathy	Schwann cell differentiation promoter	
【Phase I 】			
VELEXBRU (Tirabrutinib)	Generalized scleroderma	BTK inhibitor	
ONO-4685	Autoimmune disease	PD-1×CD3 bispecific antibody	
ONO-2909	Narcolepsy	PG receptor (DP1) antagonist	
ONO-2808	Neurodegenerative diseases	S1P5 receptor agonist	

### Global development projects (Other than OPDIVO)

As of July 26, 2021

Product name/ Development code (Generic name)	Target indication	Pharmacological action	Area
【PhaseIII】			
BRAFTOVI (Encorafenib)	BRAF-mutant colorectal cancer	BRAF inhibitor	KR
	BRAF-mutant melanoma		KR
MEKTOVI (Binimetinib)	BRAF-mutant colorectal cancer	MEK inhibitor	KR
,	BRAF-mutant melanoma		KR
ONO-7912 · CPI-613	Pancreatic cancer	Canaar matabaliam inbibitar	KR
(Devimistat)	Acute myeloid leukemia	Cancer metabolism inhibitor	KR
【Phase II 】			
ONO-4059 (Tirabrutinib)	Primary central nervous system lymphoma	BTK inhibitor	US
【Phase I / II 】			
ONO-7475	Acute leukemia	Axl / Mer inhibitor	US
【Phase I】			
ONO-7684	Thrombosis	FXIa inhibitor	EU
ONO-2808	Neurodegenerative disease	S1P5 receptor agonist	EU



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