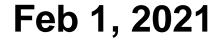
Development Pipeline Progress Status





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.

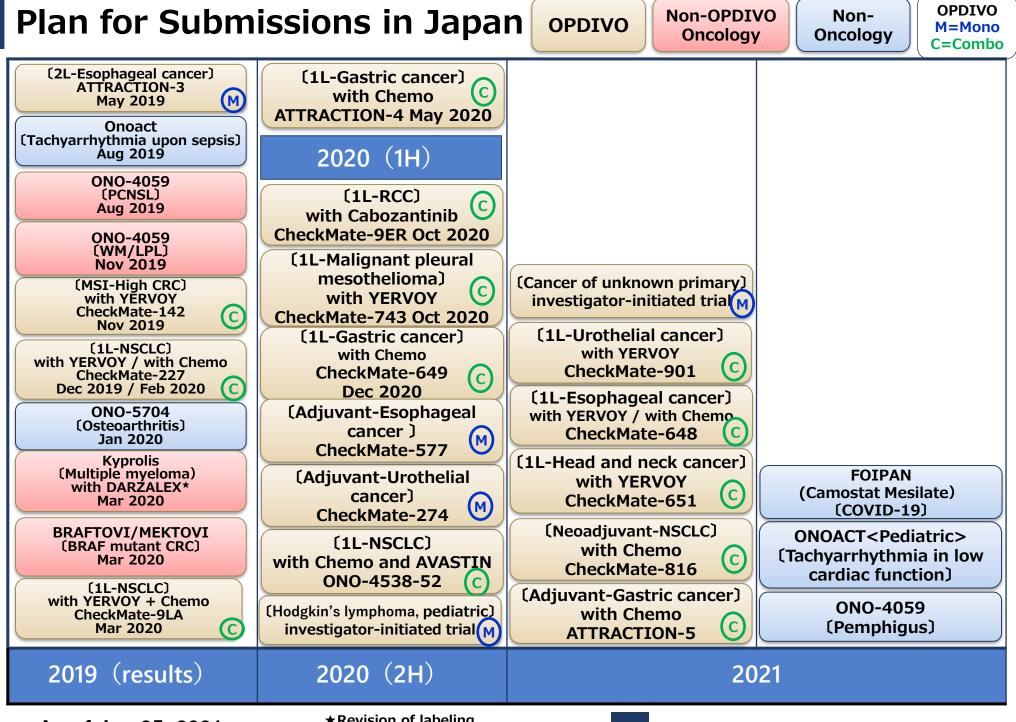
Actual performance and other results may differ significantly due to various factors. Such factors include, but are not limited to:

- (*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.





As of Jan 25, 2021

★ Revision of labeling

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Development status of OPDIVO (1)

As of Jan 25, 2021

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

Red: Update after May 2020



Development status of OPDIVO (2)

As of Jan 25, 2021

Target		Turaturant	Phase				
disease	Line of Therapy	Treatment	Japan	Korea	Taiwan	US	EU
	Adjuvant	with Chemo	III	III	III	_	_
		with Chemo	Filed	II	III	_	_
Gastric cancer	1st -	with Ipi, with Chemo	Filed*	II		Filed*	Filed*
	3rd	Monotherapy	Approved	Approved	Approved	_	_
	Adjuvant	Monotherapy	III	III	III	Filed	Filed
Esophageal cancer	1st	with Ipi, with Chemo	III	III		III	III
	2nd	Monotherapy	Approved	Approved	Approved	Approved	Approved
	1st	with Chemo	II / III	—	—	II / III	II / III
Colorectal	MSI-H/dMMR (1st)	with lpi	III	_	_	III	III
cancer	MSI-H∕dMMR	Monotherapy	Approved	_	Approved	Approved	-
	(3rd)	with lpi	Approved	_	Approved	Approved	Filed
	Adjuvant	Monotherapy	III	III	III	III	III
Hepatocellular carcinoma	1st	with lpi	11	III	III	III	III
	2nd	Monotherapy, with lpi	I	Ш	Approved	Approved	II
Biliary tract cancer	2nd	Monotherapy	Ш	П	Ш	_	_



Development status of OPDIVO (3)

As of Jan 25, 2021

Target		Phase					
disease	Line of Therapy	Treatment	Japan	Korea	Taiwan	US	EU
Urothelial	Adjuvant /Neo-adjuvant	with IDO1 inhibitor + Chemo, with Chemo	III	111	111	111	Ш
cancer / Bladder	Adjuvant	Monotherapy	=	III	III	III	III
cancer	1st	with Ipi, with Chemo	III	III	III		III
	2nd	Monotherapy	=	Approved	Approved	Approved	Approved
Glioblastoma	1st (MGMTmethylated)	with chemoradiotherapy	Ш	_	_	III	III
anosiastonia	1st (MGMT un-methylated)	with radiotherapy	Ш	_	_	Ш	Ш
Ovarian	1st	with Rucaparib	Ξ	Ш	Ш	Ш	III
cancer	2nd	Monotherapy	Ξ	_	_	—	_
Dosage and Administration	240 mg(every	2 weeks)	Approved	Approved	Ш	Approved	Approved
	360 mg(every	[,] 3 weeks)	Approved	Approved	III	Approved	Approved
	480 mg(every	y 4 weeks)	Approved	Approved	III	Approved	Approved





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

As of Jan 25, 2021

				123, 2021
Development code (Generic name) Pharmacological action	Cancer type	Japan	US/EU	KR/TW
ONO-7701 (Linrodostat) IDO1 inhibitor	Bladder cancer	ш	ш	Ш
ONO-4686 Anti-TIGIT antibody	Solid tumor	I / II	I / II	-
ONO-7807 Anti-TIM-3 antibody	Solid tumor	I / II	I / II	-
ONO-4482 (Relatlimab) Anti-LAG-3 antibody	Melanoma	I / II	ш∕ш	-
ONO-4483 (Lirilumab) Anti-KIR antibody	Solid tumor	I	Ι/Π	-
	Solid tumor, Gastric cancer	I	I / Π	-
ONO-4578	Colorectal cancer	I		
PG receptor (EP4) antagonist	Pancreatic cancer	I		
	Non-small cell lung cancer	I		
ONO-7475 AxI/Mer inhibitor	Solid tumor	I	-	-
	Solid tumor	I	I / I	-
ONO-7911 (Bempegaldesleukin)	Melanoma	-	Ш	-
PEGylated IL-2	Renal cell carcinoma	-	Ш	-
	Bladder cancer	-	Ш	-



Development pipeline in Japan

As of Jan 25, 2021

Product name/ Development code (Generic name)	Target indication	Pharmacological action
[Approved]		
BRAFTOVI (Encorafenib)	BRAF-mutant colorectal cancer	BRAF inhibitor
MEKTOVI (Binimetinib)	BRAF-mutant colorectal cancer	MEK inhibitor
ADLUMIZ (Anamorelin)	Cancer cachexia (non-small cell lung cancer, gastric cancer, pancreatic cancer, colorectal cancer)	Ghrelin mimetic
【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-4578*	Colorectal cancer	PG receptor (EP4)
UNU-4378	Pancreatic cancer	antagonist
	Non-small cell lung cancer	
ONO-7475*	Solid tumor	AxI / Mer inhibitor
ONO-7913	Solid tumor	Anti-CD47 mAb
ONO-7912	Pancreatic Cancer	Cancer metabolism inhibitor

*Combination with Opdivo.



7/10

Development pipeline in Japan (Non-oncology) (1)

As of Jan 25, 2021

Product name/ Development code (Generic name)	Target indication	Pharmacological action
[Filing]		
ONO-5704 · SI-613	Osteoarthritis	Hyaluronic acid-NSAID
【PhaseⅢ】		
ORENCIA SC (Abatacept)	Polymyositis/Dermatomyositis	T-cell activation inhibitor
FOIPAN (Camostat mesilate)	Novel coronavirus infection	Protease enzyme inhibitor
【Phase II / III 】		
ONOACT (Landiolol hydrochloride)	Tachyarrhythmia in low cardiac function <pediatric></pediatric>	Short-active selective β1 blocker

Red: Update after May 2020

Development pipeline in Japan (Non-oncology) (2)

As of Jan 25, 2021

Product name/ Development code (Generic name)	Target indication	Pharmacological action
【Phase II 】		
ONO-5704 · SI-613	Enthesopathy	Hyaluronic acid-NSAID
VELEXBRU (Tirabrutinib)	Pemphigus	BTK inhibitor

【Phase I 】		
VELEXBRU (Tirabrutinib)	Generalized scleroderma	BTK inhibitor
ONO-4685	Autoimmune disease	PD-1×CD3 bispecific antibody
ONO-2910	Peripheral neuropathy	Schwann cell differentiation promoter
ONO-2909	Narcolepsy	PG receptor (DP1) antagonist
ONO-2808	Neurodegenerative diseases	S1P5 receptor agonist

Red: Update after May 2020



Global development projects (Other than OPDIVO)

As of Jan 25, 2021

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 7012, CPI 612 (Dovimistot)	Pancreatic cancer	Cancer metabolism inhibitor	KR
ONO-7912 · CPI-613 (Devimistat)	Acute myeloid leukemia		KR

[Phase I / II]			
ONO-7475	Acute leukemia	AxI / Mer inhibitor	US

【Phase I 】			
ONO-7684	Thrombosis	FXIa inhibitor	EU
ONO-2808	Neurodegenerative disease	S1P5 receptor agonist	EU

*Combination with Opdivo. Red: Update after May 2020



ONO PHARMACEUTICAL CO.,LTD.

Dedicated to Man's Fight against Disease and Pain