Development Pipeline Progress Status

January 31, 2023



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.

Plan for Submissions in Japan

OPDIVO

Non-OPDIVO Oncology

Non-Oncology OPDIVO M=Mono C=Combo

(c)

(c)

(M)

ONOACT<Pediatric>
(Tachyarrhythmia in low cardiac function)
Oct 2021

(Cancer of unknown primary) investigator-initiated trial Apr 2021

(1L-NSCLC)
with Chemo and AVASTIN
ONO-4538-52
Jun 2021 (Revision of labeling)

(1L-Esophageal cancer)
with YERVOY / with Chemo
CheckMate-648
Sep 2021

(Neoadjuvant-NSCLC) with Chemo CheckMate-816

Apr 2022

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(1L-Urothelial cancer) with Chemo CheckMate-901

(Perioperative Bladder cancer) With Chemo ONO-4538-86

(Adjuvant-Hepatocellular carcinoma)
CheckMate-9DX

KYPROLIS
(2L-Multiple Myeloma)
KRd Therapy Once a week

BRAFTOVI / MEKTOVI (2L-BRAF-mutant thyroid cancer)

FY2021 (results)

FY2022

FY2023

Development status of OPDIVO (1)

As of Jan 23, 2023

Target	Line of	Phase					
disease	Therapy	Treatment	Japan	Korea	Taiwan	US	EU
Melanoma	Adjuvant · 1st · 2nd	Monotherapy, with lpi (1st line only)	Approved	Approved	Approved	Approved	Approved
	Neo-adjuvant	with Chemo	Filed	Approved	III	Approved	Filed
		with lpi	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	Approved	Approved	_	_
	2nd	Monotherapy	Approved	Approved	Approved	Approved	Approved
	1st	with lpi	Approved	Approved	Approved	Approved	Approved
Renal cell		with TKI	Approved	Approved	Approved	Approved	Approved
carcinoma		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	1st	with lpi	Approved	Approved	Approved	Approved	Approved
pleural mesothelioma	SOC refractory	Monotherapy	Approved	_	_	_	_

Development status of OPDIVO (2)

As of Jan 23, 2023

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

With Ipi (US), Monotherapy only (Taiwan)

Development status of OPDIVO (3)

As of Jan 23, 2023

Target	Ireatment	Phase					
disease		rreatment	Japan	Korea	Taiwan	US	EU
	Perioperative	with Chemo	III	III	III	III	III
Urothelial cancer	Adjuvant	Monotherapy	Approved	Approved	Approved	Approved	Approved
/ Bladder cancer	1st	with lpi, with Chemo	III	III	III	III	III
	2nd	Monotherapy	II	Approved	Approved	Approved	Approved
Ovarian cancer	1st	with Rucaparib	III	III	III	III	III
castration- resistant prostate cancer	1st or 2nd	with Chemo	III	III	III	III	III
Cancer of unknown primary	_	Monotherapy	Approved	-	_	_	_
	240 mg(every 2 weeks)	Approved	Approved	Approved	Approved	Approved
Dosage and Administration	360 mg (every 3 weeks)	Approved	Approved	Approved	Approved	Approved
	480 mg (every 4 weeks)	Approved	Approved	Approved	Approved	Approved

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

As of Jan 23, 2023

Development code (Generic name) Pharmacological action	Cancer type	Japan	US/EU	KR/TW
ONO-4686 Anti-TIGIT antibody	Solid tumor	1/11	1/11	-
ONO-4482 (Relatlimab) Anti-LAG-3 antibody	Melanoma	1/11	Approved★	-
	Solid tumor, Gastric cancer	I	1/11	-
ONO-4578 PG receptor (EP4) antagonist	Colorectal cancer	I	-	-
T d receptor (Li 4) untagomst	Pancreatic cancer	I	-	-
	Non-small cell lung cancer	I	-	-
ONO-7475 Axl/Mer inhibitor	Solid tumor	I	-	-
ONO-7913 (Magrolimab) Anti-CD47 antibody	Pancreatic cancer	I	-	-
Anti-CD47 antibody	Colorectal cancer	I	-	-
ONO-7119 (Atamparib) PARP7 inhibitor	Solid tumor	I	-	-
ONO-7122 TGF-βinhibitor	Solid tumor	I	-	-
ONO-7914 STING agonist	Solid tumor	I	-	-

[★] fixed-dose combination of nivolumab and relatlimab

Development pipeline in Japan (Oncology area other than OPDIVO)

As of Jan 23, 2023

Product name/ Development code (Generic name)	Target indication	Pharmacological action	
【PhaseIII】			
ONO-7913 (Magrolimab)	TP53-mutant Acute myeloid leukemia	Anti-CD47 antibody	
【Phase II 】			
BRAFTOVI (Encorafenib)	BRAF-mutant thyroid cancer	BRAF inhibitor	
MEKTOVI (Binimetinib)	BRAF-mutant thyroid cancer	MEK inhibitor	
【Phase I 】			
	Solid tumor, Gastric cancer *		
	Colorectal cancer *		
ONO-4578	Pancreatic cancer *	PG receptor (EP4) antagonist	
	Non-small cell lung cancer *	 	
	Hormone receptor-positive, HER2-negative breast cancer		
	Solid tumor *		
ONO-7475	EGFR mutation-positive non-small cell lung cancer	Axl / Mer inhibitor	
	Solid tumor		
ONO 7012 (Magralimah)	Myelodysplastic syndrome	Anti-CD47 antibody	
ONO-7913 (Magrolimab)	Pancreatic cancer *	Allu-CD41 allubuuy	
	Colorectal cancer *		

^{*} Combination with Opdivo **Red: Update after May 2022**

Development pipeline in Japan (Non-oncology)

As of Jan 23, 2023

		A3 01 0411 23, 2023	
Product name/ Development code (Generic name)	Target indication	Pharmacological action	
[Approved]			
ONOACT (Landiolol hydrochloride)	Tachyarrhythmia in low cardiac function <pediatric></pediatric>	Short-active selective β ₁ blocker	
【PhaseIII】			
ONO-2017 (Cenobamate)	Primary generalized tonic-clonic seizures	Inhibition of voltage-gated sodium currents/positive	
, , ,	Partial-onset seizures	allosteric modulator of GABA _A ion channel	
VELEXBRU (ONO-4059 : Tirabrutinib)	Pemphigus	BTK inhibitor	
【Phase II 】			
ONO-2910	Diabetic polyneuropathy	Schwann cell differentiation promoter	
【Phase I 】			
VELEXBRU (ONO-4059 : Tirabrutinib)	Generalized scleroderma	BTK inhibitor	
ONO-4685	Autoimmune disease	PD-1×CD3 bispecific antibody	
ONO-2808	Neurodegenerative diseases	S1P5 receptor agonist	
ONO-7684	Thrombosis	FXIa inhibitor	
ONO-1110	Pain	Endocannabinoid regulation	

Global devlopment projects (Other than OPDIVO)

As of Jan 23, 2023

Product name/ Development code (Generic name)	Target indication	Pharmacological action	Area
【PhaseIII】			
ONO-7913 (Magrolimab)	Acute myeloid leukemia	Anti-CD47 antibody	KR · TW
【Phase II 】			
ONO-4059 (Tirabrutinib)	Primary central nervous system lymphoma	BTK inhibitor	US
[Phase I]			
ONO-7684	Thrombosis	FXIa inhibitor	EU
ONO-2808	Neurodegenerative disease	S1P5 receptor agonist	EU
ONO-4685	T-cell lymphoma	PD-1 x CD3 bispecific	US
ONO-4085	Autoimmune disease	antibody	EU
ONO-2020	Neurodegenerative disease	Epigenetic Regulation	US
ONO-7018	Non-Hodgkin lymphoma, chronic lymphocytic leukemia	MALT1 Inhibitor	US



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