

Supplementary table: Outcomes of ICI rechallenge

Initial irAEs (n)	Same irAE after rechallenge	New irAE after rechallenge	Same and new irAE after rechallenge	no irAE recurrence
<b>Gastro-intestinal disorders (47)</b>	<b>20</b>	<b>6</b>	<b>1</b>	<b>20</b>
Colitis (37)	17	4	1	15
Pancreatic disorders (9)	3	2		4
Gastritis (1)				1
<b>Endocrine disorders (34)</b>	<b>2</b>	<b>4</b>		<b>28</b>
Hyperthyroidism (12)	1	1		10
Hypophysitis (9)	1	1		7
Hypothyroidism (5)		2		3
Diabetes (4)				4
Adrenal insufficiency (4)				4
<b>Hepatitis (31)</b>	<b>6</b>	<b>7</b>		<b>18</b>
<b>Respiratory disorders (21)</b>	<b>5</b>	<b>2</b>		<b>14</b>
Pneumonitis (18)	5	1		12
Pulmonary sarcoidosis (2)		1		1
Pulmonary embolism (1)				1
<b>Skin disorders (18)</b>	<b>9</b>	<b>2</b>		<b>7</b>
Lichenoid dermatitis (5)	3	1		1
Rash/inflammatory dermatitis (4)	1			3
Psoriasis (3)	1			2
Bullous pemphigoïd (2)	1			1
Vasculitis (1)	1			
Cellulitis (1)	1			
Erythema multiforme (1)	1			
Lupus (1)		1		
<b>Musculoskeletal disorders (11)</b>	<b>4</b>			<b>7</b>
Arthralgia/arthritis (9)	3			6
Myositis (2)	1			1

<b>Renal and urinary disorders (10)</b>	<b>3</b>		<b>1</b>	<b>6</b>
Nephritis (9)	2		1	6
Cystitis (1)	1			
<b>Hematological disorders (6)</b>		<b>1</b>	<b>1</b>	<b>4</b>
Hemophagocytic syndrome (2)				2
Hemolytic anemia (1)				1
Thrombocytopenia (1)			1	
Neutropenia (1)				1
Thrombocytopenic purpura (1)		1		
<b>Neurological disorders (6)</b>	<b>1</b>			<b>5</b>
Myasthenia (2)				2
Vestibular syndrome/neuritis (2)				2
Aseptic meningitis (1)				1
Encephalopathy (1)	1			
<b>Ocular disorders (5)</b>	<b>1</b>			<b>4</b>
Uveitis (2)				2
Dry eye syndrome (2)	1			1
Optic neuritis (1)				1
<b>Cardiac disorders (2)</b>	<b>1</b>			<b>1</b>
Myocarditis (1)	1			
Ventricular dysfunction (1)				1
<b>Total (191)*</b>	<b>52</b>	<b>22</b>	<b>3</b>	<b>114</b>

\*191 irAEs led to ICI discontinuation in 180 patients.