

# Clinical trial results: An Open-Label, Multicohort, Phase II Study of Atezolizumab in Advanced Solid Tumors

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EudraCT number	2015-000269-30		
Trial protocol	DE NL IE AT ES FI GB DK PL FR IT		
Global end of trial date	28 July 2020		
Result version number	v1 (current)		
This version publication date	09 April 2021		
First version publication date	09 April 2021		
Sponsor protocol code	MO29518		
ISRCTN number	-		
ClinicalTrials.gov id (NCT number)	NCT02458638		
WHO universal trial number (UTN)	-		
Notes:	·		
Sponsor organisation name	F. Hoffmann-La Roche AG		
Sponsor organisation address	Grenzacherstrasse 124, Basel, Switzerland, CH-4070		
Public contact	F. Hoffmann-La Roche AG, F. Hoffmann-La Roche AG, 41 616878333, global.trial_information@roche.com		
Scientific contact	F. Hoffmann-La Roche AG, F. Hoffmann-La Roche AG, 41 616878333, global.trial_information@roche.com		
Notes:	-		
Is trial part of an agreed paediatric investigation plan (PIP)	No		
Does article 45 of REGULATION (EC) No 1901/2006 apply to this trial?	No		
Does article 46 of REGULATION (EC) No 1901/2006 apply to this trial?	No		
Notes:			

Analysis stage	Final
Date of interim/final analysis	21 December 2019
Is this the analysis of the primary completion data?	No
Global end of trial reached?	Yes
Global end of trial date	28 July 2020
Was the trial ended prematurely?	No

Notes:

# Main objective of the trial:

The primary efficacy objective of this study was to evaluate non-progression rate (NPR) at 18 weeks in participants with advanced solid tumors treated with atezolizumab, defined as the percentage of participants with complete response (CR), partial response (PR), or stable disease (SD) as assessed by the investigator according to Response Evaluation Criteria in Solid Tumors (RECIST) Version (v) 1.1, or according to disease-specific criteria for prostate cancer and malignant pleural mesothelioma.

## Protection of trial subjects:

All study subjects were required to read and sign an Informed Consent Form

All study subjects were required to read and sign an informed consent Form		
Background therapy: -		
Evidence for comparator: -		
Actual start date of recruitment	16 July 2015	
Long term follow-up planned	Yes	
Long term follow-up rationale	Efficacy, Safety	
Long term follow-up duration	24 Months	
Independent data monitoring committee (IDMC) involvement?	No	

Notes:

Country: Number of subjects enrolled	Austria: 2
Country: Number of subjects enrolled	Brazil: 17
Country: Number of subjects enrolled	Canada: 28
Country: Number of subjects enrolled	Switzerland: 14
Country: Number of subjects enrolled	Germany: 7
Country: Number of subjects enrolled	Denmark: 27
Country: Number of subjects enrolled	Spain: 33
Country: Number of subjects enrolled	Finland: 8
Country: Number of subjects enrolled	France: 36
Country: Number of subjects enrolled	United Kingdom: 7
Country: Number of subjects enrolled	Ireland: 15
Country: Number of subjects enrolled	Italy: 92
Country: Number of subjects enrolled	Netherlands: 31
Country: Number of subjects enrolled	Norway: 21
Country: Number of subjects enrolled	Poland: 56
Country: Number of subjects enrolled	Russian Federation: 11
Country: Number of subjects enrolled	Turkey: 20

Country: Number of subjects enrolled	United States: 49
Worldwide total number of subjects	474
EEA total number of subjects	328

Notes:

In utero	0
Preterm newborn - gestational age < 37 wk	0
Newborns (0-27 days)	0
Infants and toddlers (28 days-23 months)	0
Children (2-11 years)	0
Adolescents (12-17 years)	0
Adults (18-64 years)	351
From 65 to 84 years	121
85 years and over	2

## Recruitment details:

Participants were enrolled at 47 sites in 18 countries: Austria, Brazil, Canada, Denmark, Finland, France, Germany, Ireland, Italy, Netherlands, Norway, Poland, Russian Federation, Spain, Switzerland, Turkey, United Kingdom and United States.

## Screening details:

Participants with advanced solid tumors were eligible to enroll in the study.

Period 1 title	Overall Study (overall period)
Is this the baseline period?	Yes
Allocation method	Not applicable
Blinding used	Not blinded

	Atezolizumab
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## Arm description:

Atezolizumab 1200 milligrams (mg) was administered by intravenous (IV) infusion on Day 1 of each 3-week cycle until disease progression or unacceptable toxicity.

Arm type	Experimental
Investigational medicinal product name	atezolizumab
Investigational medicinal product code	
Other name	Tecentriq MPDL3280A
Pharmaceutical forms	Solution for infusion
Routes of administration	Intravenous use

Dosage and administration details:

Atezolizumab 1200 mg was administered by IV infusion on Day 1 of each 3-week cycle.

	Atezolizumab
Started	474
Completed	15
Not completed	459
Adverse event, serious fatal	309
Physician decision	1
Consent withdrawn by subject	47
Other Reasons	4
End of Cohort/End of Study	67
Lost to follow-up	31

Reporting group title	Atezolizumab
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Reporting group description:

Atezolizumab 1200 milligrams (mg) was administered by intravenous (IV) infusion on Day 1 of each 3-week cycle until disease progression or unacceptable toxicity.

	Atezolizumab	Total	
Number of subjects	474	474	
Age categorical			
Units: Subjects			
Adults (18-64 years)	351	351	
From 65-84 years	121	121	
85 years and over	2	2	
Age Continuous			
Units: years			
arithmetic mean	53.7		
standard deviation	± 13.9	-	
Sex: Female, Male			
Units: participants			
Female	233	233	
Male	241	241	

Reporting group title	Atezolizumab
Reporting group description:	
Atezolizumab 1200 milligrams (mg) w week cycle until disease progression o	vas administered by intravenous (IV) infusion on Day 1 of each 3-or unacceptable toxicity.

End point description:

NPR: percentage of participants with complete response (CR), partial response (PR) or stable disease (SD) as assessed by the Investigator according to RECIST v1.1 or according to Malignant Pleural Mesothelioma Response Evaluation Criteria. CR: Disappearance of all target lesions. PR: At least a 30% decrease in the sum of the diameters of all target and all new measurable lesions in the absence of CR. SD: Neither sufficient shrinkage to qualify for PR nor sufficient increase to qualify for progressive disease (PD). PD: At least a 20% increase in the sum of diameters of all target and all new measurable lesions. For prostate cancer according to Prostate Response Evaluation Criteria. CR: PSA <5 ng/ml measured twice at least 3 weeks apart or PSA response: PSA < 50% of the PSA reference value after treatment was initiated. Efficacy analysis set: all eligible and evaluable (received study drug, had baseline tumor assessment and at least one tumor assessment post-baseline) participants.

Primary

Known Translocation-Related Sarcomas (n=26)	23.1 (9.0 to 43.6)		
Radiation Induced Sarcoma (n=8)	25.0 (3.2 to 65.1)		
Osteosarcoma (n=11)	45.5 (16.7 to 76.6)		
Chondrosarcoma (n=12)	16.7 (2.1 to 48.4)		
Pleural Mesothelioma (n=13)	38.5 (13.9 to 68.4)		
Peritoneal Mesothelioma (n=14)	42.9 (17.7 to 71.1)		
Cholangiocarcinoma/Biliary Tract Cancer (n=13)	15.4 (1.9 to 45.4)		
Anaplastic Thyroid Cancer (TC) (n=15)	6.7 (0.2 to 31.9)		
Follicular or Papillary Thyroid Cancer (TC) (n=11)	54.5 (23.4 to 83.3)		
Medullary/Follicular/Papillary TC (n=7)	28.6 (3.7 to 71.0)		
Gastric/GE Junction Adenocarcinoma (n=14)	21.4 (4.7 to 50.8)		
Malignant Germ Cell Tumors (n=14)	7.1 (0.2 to 33.9)		
ER+/HER2- Hypermutated MBC (n=12)	8.3 (0.2 to 38.5)		
Thymoma (n=13)	76.9 (46.2 to 95.0)		
Thymic cancer (n=12)	41.7 (15.2 to 72.3)		
Low/Intermediate Grade Carcinoid (n=12)	58.3 (27.7 to 84.8)		
Poorly Differentiated Grade (excl. SCLC) (n=12)	25.0 (5.5 to 57.2)		
Head and Neck Squamous Cell Carcinoma (n=6)	33.3 (4.3 to 77.7)		
Penile Cancer (n=4)	0 (0 to 60.2)		
Anal Cancer (n=11)	18.2 (2.3 to 51.8)		
Known MSI High or MMR Deficient Tumors (n=10)	40.0 (12.2 to 73.8)		

End point title NPR at 24 Weeks

End point description:

NPR: percentage of participants with complete response (CR), partial response (PR) or stable disease (SD) as assessed by the Investigator according to RECIST v1.1 or according to Malignant Pleural Mesothelioma Response Evaluation Criteria. CR: Disappearance of all target lesions. PR: At least a 30% decrease in the sum of the diameters of all target and all new measurable lesions in the absence of CR. SD: Neither sufficient shrinkage to qualify for PR nor sufficient increase to qualify for progressive disease (PD). PD: At least a 20% increase in the sum of diameters of all target and all new measurable lesions. For prostate cancer according to Prostate Response Evaluation Criteria. CR: PSA <5 ng/ml measured twice at least 3 weeks apart or PSA response: PSA < 50% of the PSA reference value after treatment was initiated. Efficacy analysis set: all eligible and evaluable (received study drug, had baseline tumor

assessment and at least one tumor assessment post-baseline) participants.

End point type	Secondary
End point timeframe:	
At Week 24	

	Atezolizumab	T T	
Cubiast group turns			
Subject group type	Reporting group		
Number of subjects analysed	433		
Units: percentage of participants			
number (confidence interval 95%)			
Overall Population (n=433)	22.4 (18.6 to 26.6)		
Cervical Cancer (n=27)	40.7 (22.4 to 61.2)		
Nasopharyngeal Carcinoma (n=27)	22.2 (8.6 to 42.3)		
MSI-H or MMR Deficient Colorectal Cancer (n=10)	40.0 (12.2 to 73.8)		
BRCA Mutated Ovarian Cancer (n=15)	20.0 (4.3 to 48.1)		
BRCA Mutated Breast Cancer (n=12)	0 (0 to 26.5)		
Liposarcoma (n=13)	7.7 (0.2 to 36.0)		
Leiomyosarcoma (n=17)	11.8 (1.5 to 36.4)		
Gastrointestinal Stromal Tumor (GIST) (n=15)	13.3 (1.7 to 40.5)		
Undifferentiated Pleomorphic Sarcoma (n=11)	0 (0 to 28.5)		
Known Translocation-Related Sarcomas (n=26)	23.1 (9.0 to 43.6)		
Radiation Induced Sarcoma (n=8)	25.0 (3.2 to 65.1)		
Osteosarcoma (n=11)	45.5 (16.7 to 76.6)		
Chondrosarcoma (n=12)	0 (0 to 26.5)		
Pleural Mesothelioma (n=13)	23.1 (5.0 to 53.8)		
Peritoneal Mesothelioma (n=14)	28.6 (8.4 to 58.1)		
Cholangiocarcinoma/Biliary Tract Cancer (n=13)	7.7 (0.2 to 36.0)		
Anaplastic Thyroid Cancer (TC) (n=15)	6.7 (0.2 to 31.9)		
Follicular or Papillary Thyroid Cancer (TC) (n=11)	54.5 (23.4 to 83.3)		
Medullary/Follicular/Papillary TC (n=7)	28.6 (3.7 to 71.0)		
Gastric/GE Junction Adenocarcinoma (n=14)	7.1 (0.2 to 33.9)		
Malignant Germ Cell Tumors (n=14)	7.1 (0.2 to 33.9)		
ER+/HER2- Hypermutated MBC (n=12)	8.3 (0.2 to 38.5)		
Thymoma (n=13)	76.9 (46.2 to 95.0)		

Thymic cancer (n=12)	33.3 (9.9 to 65.1)		
Low/Intermediate Grade Carcinoid (n=12)	58.3 (27.7 to 84.8)		
Poorly Differentiated Grade (excl. SCLC) (n=12)	16.7 (2.1 to 48.4)		
Head and Neck Squamous Cell Carcinoma (n=6)	16.7 (0.4 to 64.1)		
Penile Cancer (n=4)	0 (0 to 60.2)		
Anal Cancer (n=11)	18.2 (2.3 to 51.8)		
Known MSI High or MMR Deficient Tumors (n=10)	30.0 (6.7 to 65.2)		

End point title	Overall Response Rate (ORR)

## End point description:

ORR was defined as the percentage of participants with CR or PR as assessed by the investigator using RECIST v1.1 or Malignant Pleural Mesothelioma Response Evaluation Criteria. CR: Disappearance of all target lesions. PR: At least a 30% decrease in the sum of the diameters of all target and all new measurable lesions, taking as reference the baseline sum of diameters, in the absence of CR. For prostate cancer according to Prostate Response Evaluation Criteria. CR: PSA <5 ng/ml measured twice at least 3 weeks apart or PSA response: PSA < 50% of the PSA reference value occurring at any time after treatment was initiated. Efficacy analysis set included all eligible and evaluable participants. A participant was considered evaluable if they received study drug, had a baseline tumor assessment and at least one tumor assessment post-baseline.

Secondary	End point type	Secondary
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#### End point timeframe:

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	433		
Units: percentage of participants			
number (confidence interval 95%)			
Overall Population (n=433)	7.4 (5.1 to 10.3)		
Cervical Cancer (n=27)	14.8 (4.2 to 33.7)		
Nasopharyngeal Carcinoma (n=27)	7.4 (0.9 to 24.3)		
MSI-H or MMR Deficient Colorectal Cancer (n=10)	0 (0 to 30.8)		
BRCA Mutated Ovarian Cancer (n=15)	13.3 (1.7 to 40.5)		
BRCA Mutated Breast Cancer (n=12)	0 (0 to 26.5)		

Liposarcoma (n=13)	0 (0 to 24.7)		
Leiomyosarcoma (n=17)	5.9 (0.1 to 28.7)		
Gastrointestinal Stromal Tumor (GIST) (n=15)	0 (0 to 21.8)		
Undifferentiated Pleomorphic Sarcoma (n=11)	0 (0 to 28.5)		
Known Translocation-Related Sarcomas (n=26)	7.7 (0.9 to 25.1)		
Radiation Induced Sarcoma (n=8)	12.5 (0.3 to 52.7)		
Osteosarcoma (n=11)	9.1 (0.2 to 41.3)		
Chondrosarcoma (n=12)	0 (0 to 26.5)		
Pleural Mesothelioma (n=13)	7.7 (0.2 to 36.0)		
Peritoneal Mesothelioma (n=14)	14.3 (1.8 to 42.8)		
Cholangiocarcinoma/Biliary Tract Cancer (n=13)	0 (0 to 24.7)		
Anaplastic Thyroid Cancer (TC) (n=15)	0 (0 to 21.8)		
Follicular or Papillary Thyroid Cancer (TC) (n=11)	9.1 (0.2 to 41.3)		
Medullary/Follicular/Papillary TC (n=7)	0 (0 to 41.0)		
Gastric/GE Junction Adenocarcinoma (n=14)	7.1 (0.2 to 33.9)		
Malignant Germ Cell Tumors (n=14)	0 (0 to 23.2)		
ER+/HER2- Hypermutated MBC (n=12)	8.3 (0.2 to 38.5)		
Thymoma (n=13)	38.5 (13.9 to 68.4)		
Thymic cancer (n=12)	8.3 (0.2 to 38.5)		
Low/Intermediate Grade Carcinoid (n=12)	0 (0 to 26.5)		
Poorly Differentiated Grade (excl. SCLC) (n=12)	16.7 (2.1 to 48.4)		
Head and Neck Squamous Cell Carcinoma (n=6)	16.7 (0.4 to 64.1)		
Penile Cancer (n=4)	0 (0 to 60.2)		
Anal Cancer (n=11)	9.1 (0.2 to 41.3)		
Known MSI High or MMR Deficient Tumors (n=10)	20.0 (2.5 to 55.6)		

End point title Percentage of Participants by Best Overall Response (BOR)

## End point description:

BOR was based on RECIST v1.1, Malignant Pleural Mesothelioma Response Evaluation Criteria or Prostate Response Evaluation Criteria. For an individual participant BOR was obtained as follows: 1) CR: overall tumor response assessment of CR at 2 consecutive visits at least 28 days apart. 2) PR: overall tumor response assessment of PR or CR at 2 consecutive visits at least 28 days apart without being a CR. 3) SD: overall tumor response assessment of SD, PR, or CR at one or more visits at least 42 days

after start of study treatment, but was not a confirmed CR or PR. 4) PD: an overall tumor response assessment of PD at any visit, and did not meet the criteria for a BOR of CR, PR or SD. 5) Missing: an assessment of SD, PR or CR in the first 42 days after start of study treatment and no further tumor assessments thereafter. Efficacy analysis set: all eligible and evaluable (received study drug, had baseline tumor assessment and at least one tumor assessment post-baseline) participants.

End point type Secondary

End point timeframe:

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	433		
Units: percentage of participants			
number (not applicable)			
Overall Population: CR (n=433)	0.7		
Overall Population: PR (n=433)	6.7		
Overall Population: SD (n=433)	36.3		
Overall Population: PD (n=433)	53.3		
Overall Population: Missing (n=433)	3.0		
Cervical Cancer: CR (n=27)	3.7		
Cervical Cancer: PR (n=27)	11.1		
Cervical Cancer: SD (n=27)	40.7		
Cervical Cancer: PD (n=27)	40.7		
Cervical Cancer: Missing (n=27)	3.7		
Nasopharyngeal Carcinoma: CR (n=27)	0		
Nasopharyngeal Carcinoma: PR (n=27)	7.4		
Nasopharyngeal Carcinoma: SD (n=27)	44.4		
Nasopharyngeal Carcinoma: PD (n=27)	48.1		
Nasopharyngeal Carcinoma: Missing (n=27)	0		
MSI-H or MMR Deficient Colorectal Cancer CR (n=10)	0		
MSI-H or MMR Deficient Colorectal Cancer PR (n=10)	0		
MSI-H or MMR Deficient Colorectal Cancer SD (n=10)	40.0		
MSI-H or MMR Deficient Colorectal Cancer PD (n=10)	50.0		
MSI-H or MMR Deficient Colorectal Missing (n=10)	10.0		
BRCA Mutated Ovarian Cancer: CR (n=15)	0		
BRCA Mutated Ovarian Cancer: PR (n=15)	13.3		
BRCA Mutated Ovarian Cancer: SD (n=15)	33.3		
BRCA Mutated Ovarian Cancer: PD (n=15)	46.7		
BRCA Mutated Ovarian Cancer: Missing (n=15)	6.7		
BRCA Mutated Breast Cancer: CR (n=12)	0		

BRCA Mutated Breast Cancer: PR (n=12)	0		
BRCA Mutated Breast Cancer: SD (n=12)	8.3		
BRCA Mutated Breast Cancer: PD (n=12)	91.7		
BRCA Mutated Breast Cancer: Missing (n=12)	0		
Liposarcoma: CR (n=13)	0		
Liposarcoma: PR (n=13)	0		
Liposarcoma: SD (n=13)	30.8		
Liposarcoma: PD (n=13)	61.5		
Liposarcoma: Missing (n=13)	7.7		
Leiomyosarcoma: CR (n=17)	0		
Leiomyosarcoma: PR (n=17)	5.9		
Leiomyosarcoma: SD (n=17)	17.6		
Leiomyosarcoma: PD (n=17)	64.7		
Leiomyosarcoma: Missing (n=17)	11.8		
Gastrointestinal Stromal Tumor (GIST):	0		
CR (n=15)	O		
Gastrointestinal Stromal Tumor (GIST): PR (n=15)	0		
Gastrointestinal Stromal Tumor (GIST): SD (n=15)	33.3		
Gastrointestinal Stromal Tumor (GIST): PD (n=15)	66.7		
Gastrointestinal Stromal Tumor: Missing (n=15)	0		
Undifferentiated Pleomorphic Sarcoma: CR (n=11)	0		
Undifferentiated Pleomorphic Sarcoma: PR (n=11)	0		
Undifferentiated Pleomorphic Sarcoma: SD (n=11)	9.1		
Undifferentiated Pleomorphic Sarcoma: PD (n=11)	90.9		
Undifferentiated Pleomorphic Sarc: Missing (n=11)	0		
Known Translocation-Related Sarcomas: CR (n=26)	0		
Known Translocation-Related Sarcomas: PR (n=26)	7.7		
Known Translocation-Related Sarcomas: SD (n=26)	34.6		
Known Translocation-Related Sarcomas: PD (n=26)	53.8		
Known Translocation-Related Sarc. Missing (n=26)	3.8		
Radiation Induced Sarcoma: CR (n=8)	0		
Radiation Induced Sarcoma: PR (n=8)	12.5		
Radiation Induced Sarcoma: SD (n=8)	12.5		
Radiation Induced Sarcoma: PD (n=8)	75.0		
Radiation Induced Sarcoma: Missing (n=8)	0		
Osteosarcoma: CR (n=11)	0		
Osteosarcoma: PR (n=11)	9.1		
Osteosarcoma: SD (n=11)	36.4		
Osteosarcoma: PD (n=11)	54.5		 
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Osteosarcoma: Missing (n=11) Chondrosarcoma: CR (n=12) Chondrosarcoma: PR (n=12) Chondrosarcoma: SD (n=12) Chondrosarcoma: PD (n=12) Chondrosarcoma: Missing (n=12) Pleural Mesothelioma: CR (n=13) Pleural Mesothelioma: PR (n=13) Pleural Mesothelioma: SD (n=13) Pleural Mesothelioma: PD (n=13) Pleural Mesothelioma: Missing (n=13) Peritoneal Mesothelioma: CR (n=14) Peritoneal Mesothelioma: PR (n=14) Peritoneal Mesothelioma: SD (n=14) Peritoneal Mesothelioma: PD (n=14) Peritoneal Mesothelioma: PD (n=14) Cholangiocarcinoma/Biliary Tract	0 0 41.7 58.3 0 0 7.7 61.5 30.8 0 0 14.3 42.9 42.9 0		
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Chondrosarcoma: SD (n=12) Chondrosarcoma: PD (n=12) Chondrosarcoma: Missing (n=12) Pleural Mesothelioma: CR (n=13) Pleural Mesothelioma: PR (n=13) Pleural Mesothelioma: SD (n=13) Pleural Mesothelioma: PD (n=13) Pleural Mesothelioma: Missing (n=13) Peritoneal Mesothelioma: CR (n=14) Peritoneal Mesothelioma: PR (n=14) Peritoneal Mesothelioma: SD (n=14) Peritoneal Mesothelioma: PD (n=14) Peritoneal Mesothelioma: Missing (n=14) Cholangiocarcinoma/Biliary Tract	41.7 58.3 0 0 7.7 61.5 30.8 0 0 14.3 42.9 42.9 0		
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Peritoneal Mesothelioma: PR (n=14) Peritoneal Mesothelioma: SD (n=14) Peritoneal Mesothelioma: PD (n=14) Peritoneal Mesothelioma: Missing (n=14) Cholangiocarcinoma/Biliary Tract	14.3 42.9 42.9 0		
Peritoneal Mesothelioma: SD (n=14) Peritoneal Mesothelioma: PD (n=14) Peritoneal Mesothelioma: Missing (n=14) Cholangiocarcinoma/Biliary Tract	42.9 42.9 0		
Peritoneal Mesothelioma: PD (n=14)  Peritoneal Mesothelioma: Missing (n=14)  Cholangiocarcinoma/Biliary Tract	42.9 0 0		
Peritoneal Mesothelioma: Missing (n=14) Cholangiocarcinoma/Biliary Tract	0		
(n=14) Cholangiocarcinoma/Biliary Tract	0		
Cholangiocarcinoma/Biliary Tract	-		I
Cancer: CR (n=13)	_		
Cholangiocarcinoma/Biliary Tract Cancer: PR (n=13)	0		
Cholangiocarcinoma/Biliary Tract Cancer: SD (n=13)	53.8		
Cholangiocarcinoma/Biliary Tract Cancer: PD (n=13)	46.2		
Cholangiocarcinoma/Biliary Tract: Missing (n=13)	0		
Anaplastic Thyroid Cancer (TC): CR (n=15)	0		
Anaplastic Thyroid Cancer (TC): PR (n=15)	0		
Anaplastic Thyroid Cancer (TC): SD (n=15)	13.3		
Anaplastic Thyroid Cancer (TC): PD (n=15)	73.3		
Anaplastic Thyroid Cancer (TC): Missing (n=15)	13.3		
Follicular or Papillary TC: CR (n=11)	0		
Follicular or Papillary TC: PR (n=11)	9.1		
Follicular or Papillary Thyroid TC: SD (n=11)	72.7		
Follicular or Papillary Thyroid TC: PD (n=11)	18.2		
Follicular or Papillary Thyroid TC: Missing (n=11)	0		
Medullary/Follicular/Papillary TC: CR (n=7)	0		
Medullary/Follicular/Papillary TC: PR (n=7)	0		
Medullary/Follicular/Papillary TC: SD (n=7)	42.9		
Medullary/Follicular/Papillary TC: PD (n=7)	42.9		
Medullary/Follicular/Papillary TC: Missing (n=7)	14.3		
Gastric/GE Junction Adenocarcinoma: CR (n=14)	0		
Gastric/GE Junction Adenocarcinoma: PR (n=14)	7.1		

Gastric/GE Junction Adenocarcinoma: SD (n=14)	21.4		
Gastric/GE Junction Adenocarcinoma: PD (n=14)	57.1		
Gastric/GE Junction Adenocarcinoma: Missing (n=14)	14.3		
Malignant Germ Cell Tumors: CR (n=14)	0		
Malignant Germ Cell Tumors: PR (n=14)	0		
Malignant Germ Cell Tumors: SD (n=14)	35.7		
Malignant Germ Cell Tumors: PD (n=14)	64.3		
Malignant Germ Cell Tumors: Missing (n=14)	0		
ER+/HER2- Hypermutated MBC: CR (n=12)	0		
ER+/HER2- Hypermutated MBC: PR (n=12)	8.3		
ER+/HER2- Hypermutated MBC: SD (n=12)	8.3		
ER+/HER2- Hypermutated MBC: PD (n=12)	83.3		
ER+/HER2- Hypermutated MBC: Missing (n=12)	0		
Thymoma: CR (n=13)	0		
Thymoma: PR (n=13)	38.5		
Thymoma: SD (n=13)	46.2		
Thymoma: PD (n=13)	7.7		
Thymoma: Missing (n=13)	7.7		
Thymic cancer: CR (n=12)	0		
Thymic cancer: PR (n=12)	8.3		
Thymic cancer: SD (n=12)	50.0		
Thymic cancer: PD (n=12)	41.7		
Thymic cancer: Missing (n=12)	0		
Low/Intermediate Grade Carcinoid: CR (n=12)	0		
Low/Intermediate Grade Carcinoid: PR (n=12)	0		
Low/Intermediate Grade Carcinoid: SD (n=12)	100.0		
Low/Intermediate Grade Carcinoid: PD (n=12)	0		
Low/Intermediate Grade Carcinoid: Missing (n=12)	0		
Poorly Differentiated Grade: CR (n=12)	0		
Poorly Differentiated Grade: PR (n=12)	16.7		
Poorly Differentiated Grade: SD (n=12)	16.7		
Poorly Differentiated Grade: PD (n=12)	66.7		
Poorly Differentiated Grade: Missing (n=12)	0		
Head and Neck Squamous Cell Carcinoma: CR (n=6)	16.7		
Head and Neck Squamous Cell Carcinoma: PR (n=6)	0		
Head and Neck Squamous Cell Carcinoma: SD (n=6)	33.3		
Head and Neck Squamous Cell Carcinoma: PD (n=6)	50.0		
Head and Neck Squamous Cell: Missing (n=6)	0		 
` '			

Penile Cancer: CR (n=4)	0		
Penile Cancer: PR (n=4)	0		
Penile Cancer: SD (n=4)	50.0		
Penile Cancer: PD (n=4)	50.0		
Penile Cancer: Missing (n=4)	0		
Anal Cancer: CR (n=11)	9.1		
Anal Cancer: PR (n=11)	0		
Anal Cancer: SD (n=11)	36.4		
Anal Cancer: PD (n=11)	54.5		
Anal Cancer: Missing (n=11)	0		
Known MSI High or MMR Deficient Tumors: CR (n=10)	0		
Known MSI High or MMR Deficient Tumors: PR (n=10)	20.0		
Known MSI High or MMR Deficient Tumors: SD (n=10)	40.0		
Known MSI High or MMR Deficient Tumors: PD (n=10)	40.0		
Known MSI High or MMR Deficient: Missing (n=10)	0		

End point title	Clinical Benefit Rate (CBR)

#### End point description:

CBR was defined as the percentage of participants with CR, PR, or SD according to RECIST v1.1, Malignant Pleural Mesothelioma Response Evaluation Criteria or Prostate Response Evaluation Criteria lasting for >/=6 weeks. CR: Disappearance of all target lesions. PR: At least a 30% decrease in the sum of the diameters of all target and all new measurable lesions in the absence of CR. SD: Neither sufficient shrinkage to qualify for PR nor sufficient increase to qualify for progressive disease (PD). PD: At least a 20% increase in the sum of diameters of all target and all new measurable lesions. For prostate cancer: CR: PSA <5 ng/ml measured twice at least 3 weeks apart or PSA response: PSA < 50% of the PSA reference value occurring at any time after treatment was initiated. Efficacy analysis set: all eligible and evaluable (received study drug, had baseline tumor assessment and at least one tumor assessment post-baseline) participants.

End point type	Secondary
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# End point timeframe:

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	433		
Units: percentage of participants			
number (confidence interval 95%)			
Overall Population (n=433)	43.6 (38.9 to 48.5)		

55.6 (35.3 to 74.5)	
51.9 (31.9 to 71.3)	
40.0 (12.2 to 73.8)	
46.7 (21.3 to 73.4)	
8.3 (0.2 to 38.5)	
30.8 (9.1 to 61.4)	
23.5 (6.8 to 49.9)	
33.3 (11.8 to 61.6)	
9.1 (0.2 to 41.3)	
42.3 (23.4 to 63.1)	
25.0 (3.2 to 65.1)	
45.5 (16.7 to 76.6)	
41.7 (15.2 to 72.3)	
69.2 (38.6 to 90.9)	
57.1 (28.9 to 82.3)	
53.8 (25.1 to 80.8)	
13.3 (1.7 to 40.5)	
81.8 (48.2 to 97.7)	
	74.5) 51.9 (31.9 to 71.3) 40.0 (12.2 to 73.8) 46.7 (21.3 to 73.4) 8.3 (0.2 to 38.5) 30.8 (9.1 to 61.4) 23.5 (6.8 to 49.9) 33.3 (11.8 to 61.6) 9.1 (0.2 to 41.3) 42.3 (23.4 to 63.1) 25.0 (3.2 to 65.1) 45.5 (16.7 to 76.6) 41.7 (15.2 to 72.3) 69.2 (38.6 to 90.9) 57.1 (28.9 to 82.3) 53.8 (25.1 to 80.8) 13.3 (1.7 to 40.5) 81.8 (48.2 to

0 d 2 J 1 0 0 1 0 0 cm 1 0 0 1 0 0 cm 1 w 3 J 0 0 0 32 9 Tf 0 0 0 rg ( 0 d 2 J 1 0 0 1 0 0 cm 1 0 0 1 0 0 cm 1 0 RG

No statistical analyses for this end point				
End point title	Duration of Obje	ective Response	(DOR)	
End point description:			(2011)	
DOR, based on RECIST v1.1, was defined objective response (CR or PR) to the time first. CR: Disappearance of all target lesi all target and all new measurable lesions of diameters of all target and all new me 4 participants available for the analysis. participants. A participant was considered assessment and at least one tumor assess	e of progression ons. PR: At least in the absence casurable lesions. Efficacy analysis d evaluable if the	or death from a a 30% decreas of CR. PD: At le DOR was not a set included all ey received stud	iny cause, which se in the sum of ast a 20% increa analyzed if there eligible and eva	ever occurred the diameters o ase in the sum were less than luable
End point type	Secondary			
End point timeframe:				
Baseline up to 4.5 years (assessed every to loss of clinical benefit, withdrawal of coccurs first)				
			ı	T
	Atezolizumab			
Subject group type	Reporting group			
Number of subjects analysed	0 <sup>[2]</sup>			
Units: months				
median (confidence interval 95%)	( to )			
Notes: [2] - Data not analyzed for less than 4 p.	articipants.			
No statistical analyses for this end point				
End point title	Progression-Free	e Survival (PFS)	)	
End point description:				
PFS, based on RECIST v1.1, was defined occurrence of disease progression or deal increase in the sum of diameters of all taincluded all eligible and evaluable participated drug, had a baseline tumor assess 99999=Upper limit of CI was not reached	oth from any caus arget and all new pants. A participa ment and at leas	se, whichever of measurable les ant was conside at one tumor ass	ccurred first. PD sions. Efficacy and red evaluable if sessment post-b	: At least a 20% nalysis set they received aseline.

End point type

End point timeframe:

Secondary

Baseline up to 4.5 years (assessed every 6 weeks for first 24 weeks and thereafter every 12 weeks up

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	433		
Units: months			
median (confidence interval 95%)			
Cervical Cancer (n=27)	4.14 (1.31 to 8.34)		
Nasopharyngeal Carcinoma (n=27)	3.15 (1.35 to 4.60)		
MSI-H or MMR Deficient Colorectal Cancer (n=10)	1.51 (0.72 to 10.97)		
BRCA Mutated Ovarian Cancer (n=15)	2.73 (1.45 to 4.01)		
BRCA Mutated Breast Cancer (n=12)	1.38 (0.99 to 1.54)		
Liposarcoma (n=13)	1.51 (1.25 to 4.70)		
Leiomyosarcoma (n=17)	2.69 (1.28 to 3.12)		
Gastrointestinal Stromal Tumor (GIST) (n=15)	1.41 (1.15 to 2.79)		
Undifferentiated Pleomorphic Sarcoma (n=11)	1.31 (1.25 to 1.35)		
Known Translocation-Related Sarcomas (n=26)	2.73 (1.38 to 5.42)		
Radiation Induced Sarcoma (n=8)	1.43 (1.25 to 14.39)		
Osteosarcoma (n=11)	2.96 (1.28 to 16.69)		
Chondrosarcoma (n=12)	1.87 (1.35 to 5.49)		
Pleural Mesothelioma (n=13)	4.11 (1.25 to 5.49)		
Peritoneal Mesothelioma (n=14)	4.78 (1.31 to 8.28)		
Cholangiocarcinoma/Biliary Tract Cancer (n=13)	3.71 (1.31 to 4.27)		
Anaplastic Thyroid Cancer (TC) (n=15)	1.41 (1.22 to 2.07)		
Follicular or Papillary Thyroid Cancer (TC) (n=11)	8.48 (1.31 to 15.41)		
Medullary/Follicular/Papillary TC (n=7)	3.52 (1.25 to 12.39)		
Gastric/GE Junction Adenocarcinoma (n=14)	1.68 (1.41 to 3.19)		
Malignant Germ Cell Tumors (n=14)	2.73 (1.38 to 4.07)		
ER+/HER2- Hypermutated MBC (n=12)	1.22 (1.08 to 1.48)		
Thymoma (n=13)	11.76 (3.22 to 37.22)		
Thymic cancer (n=12)	4.07 (1.38 to 13.96)	 	

Low/Intermediate Grade Carcinoid (n=12)	8.54 (4.07 to 13.67)		
Poorly Differentiated Grade (excl. SCLC) (n=12)	1.40 (1.08 to 9.72)		
Head and Neck Squamous Cell Carcinoma (n=6)	2.76 (1.38 to 99999)		
Penile Cancer (n=4)	2.07 (1.22 to 4.14)		
Anal Cancer (n=11)	3.12 (1.31 to 4.11)		
Known MSI High or MMR Deficient Tumors (n=10)	3.98 (1.18 to 16.92)		

End point title	Time to Progression (TTP)

End point description:

Time to progression (TTP), based on RECIST v1.1, was defined as time from the first day of study treatment to the first occurrence of progressive disease or death due to disease progression, whichever occurred first. PD: At least a 20% increase in the sum of diameters of all target and all new measurable lesions. Efficacy analysis set included all eligible and evaluable participants. A participant was considered evaluable if they received study drug, had a baseline tumor assessment and at least one tumor assessment post-baseline. 99999=Upper limit of CI was not reached due to low number of participants with events.

End point type	ICocondon.
End point type	ISECONDARY
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End point timeframe:

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	433		
Units: months			
median (confidence interval 95%)			
Cervical Cancer (n=27)	4.14 (1.31 to 8.34)		
Nasopharyngeal Carcinoma (n=27)	3.45 (1.35 to 4.60)		
MSI-H or MMR Deficient Colorectal Cancer (n=10)	1.51 (0.72 to 10.97)		
BRCA Mutated Ovarian Cancer (n=15)	2.73 (1.45 to 4.01)		
BRCA Mutated Breast Cancer (n=12)	1.38 (0.99 to 1.54)		
Liposarcoma (n=13)	1.51 (1.25 to 4.70)		
Leiomyosarcoma (n=17)	2.69 (1.28 to 3.12)		

Gastrointestinal Stromal Tumor (GIST) (n=15)	1.41 (1.15 to 2.79)		
Undifferentiated Pleomorphic Sarcoma (n=11)	1.31 (1.25 to 1.35)		
Known Translocation-Related Sarcomas (n=26)	2.73 (1.38 to 3.55)		
Radiation Induced Sarcoma (n=8)	1.43 (1.25 to 14.39)		
Osteosarcoma (n=11)	2.96 (1.28 to 16.69)		
Chondrosarcoma (n=12)	1.87 (1.35 to 5.49)		
Pleural Mesothelioma (n=13)	4.11 (1.25 to 5.49)		
Peritoneal Mesothelioma (n=14)	4.78 (1.31 to 8.28)		
Cholangiocarcinoma/Biliary Tract Cancer (n=13)	3.71 (1.31 to 4.27)		
Anaplastic Thyroid Cancer (TC) (n=15)	1.41 (1.22 to 2.07)		
Follicular or Papillary Thyroid Cancer (TC) (n=11)	8.48 (1.31 to 15.41)		
Medullary/Follicular/Papillary TC (n=7)	5.52 (1.25 to 23.33)		
Gastric/GE Junction Adenocarcinoma (n=14)	1.68 (1.41 to 3.19)		
Malignant Germ Cell Tumors (n=14)	2.73 (1.38 to 4.07)		
ER+/HER2- Hypermutated MBC (n=12)	1.22 (1.08 to 1.48)		
Thymoma (n=13)	12.58 (3.22 to 37.22)		
Thymic cancer (n=12)	2.76 (1.38 to 13.86)		
Low/Intermediate Grade Carcinoid (n=12)	8.54 (4.07 to 10.94)		
Poorly Differentiated Grade (excl. SCLC) (n=12)	1.40 (1.08 to 9.72)		
Head and Neck Squamous Cell Carcinoma (n=6)	2.76 (1.38 to 99999)		
Penile Cancer (n=4)	2.07 (1.22 to 4.14)		
Anal Cancer (n=11)	3.12 (1.31 to 4.11)		
Known MSI High or MMR Deficient Tumors (n=10)	3.98 (1.18 to 16.92)		

End point title	Overall Survival (OS)

## End point description:

OS was defined as the time from the first day of study treatment to death from any cause. Efficacy analysis set included all eligible and evaluable participants. A participant was considered evaluable if they received study drug, had a baseline tumor assessment and at least one tumor assessment post-baseline. 9999=Median OS was not reached; 00000=Lower limit of CI could not be determined as

median OS was not reached; 99999=Upper limit of CI could not be determined due to low number of participants with events or median OS was not reached.

End point type Secondary

End point timeframe:

Baseline until death due to any cause (up to 4.5 years)

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	433		
Units: months			
median (confidence interval 95%)			
Cervical Cancer (n=27)	14.78 (10.55 to 26.51)		
Nasopharyngeal Carcinoma (n=27)	17.97 (8.90 to 27.56)		
MSI-H or MMR Deficient Colorectal Cancer (n=10)	6.41 (0.99 to 22.90)		
BRCA Mutated Ovarian Cancer (n=15)	24.02 (4.11 to 99999)		
BRCA Mutated Breast Cancer (n=12)	5.09 (1.77 to 7.03)		
Liposarcoma (n=13)	12.71 (4.37 to 24.44)		
Leiomyosarcoma (n=17)	9.66 (3.12 to 13.67)		
Gastrointestinal Stromal Tumor (GIST) (n=15)	7.39 (2.89 to 11.70)		
Undifferentiated Pleomorphic Sarcoma (n=11)	5.59 (3.52 to 9.26)		
Known Translocation-Related Sarcomas (n=26)	17.74 (6.37 to 99999)		
Radiation Induced Sarcoma (n=8)	8.33 (2.43 to 99999)		
Osteosarcoma (n=11)	12.65 (2.50 to 99999)		
Chondrosarcoma (n=12)	21.98 (4.76 to 99999)		
Pleural Mesothelioma (n=13)	17.81 (9.10 to 99999)		
Peritoneal Mesothelioma (n=14)	12.78 (4.21 to 99999)		
Cholangiocarcinoma/Biliary Tract Cancer (n=13)	7.49 (3.25 to 11.20)		
Anaplastic Thyroid Cancer (TC) (n=15)	4.62 (1.87 to 12.78)		
Follicular or Papillary Thyroid Cancer (TC) (n=11)	9999 (00000 to 99999)		
Medullary/Follicular/Papillary TC (n=7)	18.92 (3.52 to 99999)		
Gastric/GE Junction Adenocarcinoma (n=14)	8.57 (2.99 to 18.07)		
Malignant Germ Cell Tumors (n=14)	8.15 (6.14 to 16.49)		
ER+/HER2- Hypermutated MBC (n=12)	8.39 (2.69 to 20.27)		

Thymoma (n=13)	9999 (00000 to 99999)		
Thymic cancer (n=12)	9999 (00000 to 99999)		
Low/Intermediate Grade Carcinoid (n=12)	27.20 (17.02 to 99999)		
Poorly Differentiated Grade (excl. SCLC) (n=12)	16.16 (4.04 to 26.32)		
Head and Neck Squamous Cell Carcinoma (n=6)	12.58 (2.40 to 99999)		
Penile Cancer (n=4)	15.52 (5.49 to 99999)		
Anal Cancer (n=11)	9999 (00000 to 99999)		
Known MSI High or MMR Deficient Tumors (n=10)	18.66 (1.41 to 99999)		

End point title

Number of Participants with Adverse Events

End point description:

An adverse event is any untoward medical occurrence in a subject administered a pharmaceutical product and which does not necessarily have to have a causal relationship with the treatment. An adverse event can therefore be any unfavorable and unintended sign (including an abnormal laboratory finding, for example), symptom, or disease temporally associated with the use of a pharmaceutical product, whether or not considered related to the pharmaceutical product. Preexisting conditions which worsen during a study are also considered as adverse events. Safety analysis set included all participants who received at least one dose of study medication.

End point type	Secondary
End point timeframe:	
Baseline up to 4.5 years	

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	474		
Units: participants	435		

No statistical analyses for this end point

End point title Treatment Duration of Atezolizumab

End point description:

Safety analysis set included all participants who received at least one dose of study medication.

End point type	Secondary		
End point timeframe:			
Baseline up to approximately 4.5 years			
			_
	T T		
	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	474		
Units: months			
median (full range (min-max))	2.513 (0.03 to 52.47)		
		<u>'</u>	
No statistical analyses for this end point	-		
			_
End point title	Mean Number of Doses	of Atozolizumah	
End point description:	Mean Number of Doses	Of Atezolizumab	
Safety analysis set included all participa	ents who received at least	one dose of study n	nedication
End point type	Secondary	one dose of study fi	
End point timeframe:	Secondary		
Baseline up to approximately 4.5 years			
baseline up to approximately 4.5 years			
	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	474		
Units: doses	., .		
arithmetic mean (standard deviation)	9.0 (± 11.28)		
, , , , , , , , , , , , , , , , , , ,			
No statistical analyses for this end point	<del></del>		
End point title	Percentage of Participar	ts with Anti-drug As	tihodies (ADAs) to
Life point due	Atezolizumab	with Anti-uruy All	itibudies (ADAS) (U
End point description:			
Safety analysis set included all participa	ints who received at least	one dose of study n	nedication.
End point type	Secondary	<u> </u>	
	,		

End point timeframe:		
Baseline up to 4.5 years		

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	474		
Units: percentage of participants			
number (not applicable)			
Baseline ADAs	1.9		
Treatment-emergent ADAs	18.3		

No st	atistical	analyses	for	this	end	point
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End point title	Serum Concentration of Atezolizumab
Life point title	Serum Concentration of Atezonzumab

End point description:

Safety analysis set included all participants who received at least one dose of study medication. 99999=not available as only one participant was analyzed.

End point type Secondary

End point timeframe:

Predose and postdose on Day 1 of Cycle 1, predose on Day 1 of Cycles 2, 3, 4, 8 (cycle length = 21 days), and every 8 cycles until treatment discontinuation; at follow up (approximately 120 days after last dose) up to approximately 4.5 years

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	474		
Units: ng/mL			
arithmetic mean (standard deviation)			
Cycle 01, Day 1 predose (n=452)	45528.4 (± 84303.42)		
Cycle 01, Day 1 postdose (n=454)	422792.0 (± 225600.85)		
Cycle 02, Day 1 predose (n=433)	85674.3 (± 35394.34)		
Cycle 03, Day 1 predose (n=342)	131868.7 (± 60596.06)		
Cycle 04, Day 1 predose (n=288)	156555.7 (± 67478.76)		
Cycle 08, Day 1 predose (n=156)	201332.1 (± 96547.07)		
Cycle 16, Day 1 predose (n=72)	216038.7 (± 97136.92)		

Cycle 24, Day 1 predose (n=32)	224556.7 (± 104892.34)		
Cycle 32, Day 1 predose (n=21)	253873.7 (± 136820.70)		
Cycle 40, Day 1 predose (n=12)	284000.0 (± 110167.55)		
Cycle 48, Day 1 predose (n=8)	319500.0 (± 203543.61)		
Cycle 56, Day 1 predose (n=1)	203000.0 (± 99999)		
Cycle 64, Day 1 predose (n=2)	217000.0 (± 57982.76)		
Follow Up (n=77)	17565.6 (± 29505.18)		

End point title	Percentage of Participants by Best Overall Response Based on
	Modified RECIST v1.1 (mBOR)

#### End point description:

Modified RECIST: 1) New measurable lesions were added into the total tumor burden and followed; 2) Non-target lesions contributed only in the assessment of a CR; 3) Radiographic progression determined only on the basis of measurable disease; had to be confirmed by a consecutive assessment =/>4 weeks later. mBOR: 1) CR: assessment of CR at 2 consecutive visits at least 28 days apart. 2) PR: assessment of PR/CR at 2 consecutive visits at least 28 days apart without being CR. 3) SD: assessment of SD/PR/CR at one or more visits at least 42 days after start of study treatment, but not a confirmed CR or PR. 4) PD: assessment of PD at any visit, and not CR, PR or SD. 5) Missing: an assessment of SD, PR or CR in the first 42 days after start of study treatment and no further tumor assessments thereafter. Efficacy analysis set: all eligible and evaluable (received study drug, had baseline tumor assessment and at least one tumor assessment post-baseline) participants.

End point type	Secondary

## End point timeframe:

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	433		
Units: percentage of participants			
number (not applicable)			
Overall Population: CR (n=433)	0.7		
Overall Population: PR (n=433)	7.2		
Overall Population: SD (n=433)	43.9		
Overall Population: PD (n=433)	38.3		
Overall Population: Missing (n=433)	9.9		
Cervical Cancer: CR (n=27)	3.7		
Cervical Cancer: PR (n=27)	11.1		

Cervical Cancer: PD (n=27)   25.9				
Cervical Cancer: Missing (n=27)	Cervical Cancer: SD (n=27)	44.4		
Nasopharyngeal Carcinoma: CR (n=27)   0     Nasopharyngeal Carcinoma: PR (n=27)   11.1     Nasopharyngeal Carcinoma: PD (n=27)   33.3     Nasopharyngeal Carcinoma: PD (n=27)   33.3     Nasopharyngeal Carcinoma: Missing (n=27)   Missing (n=27)     MSI-H or MMR Deficient Colorectal: CR (n=10)   MSI-H or MMR Deficient Colorectal: PR (n=10)   MSI-H or MMR Deficient Colorectal: PD (n=10)   MSI-H or MMR Deficient Colorectal: DD (n=15)   MSI-M MISSING (n=12)   MSI-M MISSING (n=13)   MISSING (n=17)   MSI-M MISSING (n=17)   MSI-	Cervical Cancer: PD (n=27)	25.9		
Nasopharyngeal Carcinoma: PR (n=27)   11.1   Nasopharyngeal Carcinoma: PD (n=27)   51.9   Nasopharyngeal Carcinoma: PD (n=27)   33.3   Nasopharyngeal Carcinoma: PD (n=27)   33.3   Nasopharyngeal Carcinoma: Missing (n=27)   MSI-H or MMR Deficient Colorectal: CR (n=10)   MSI-H or MMR Deficient Colorectal: PR (n=10)   MSI-H or MMR Deficient Colorectal: PD (n=10)   MSI-H or MMR Deficient Colorectal: DD (n=15)   MSI-H or MMR Deficient Colorectal:		14.8		
Nasopharyngeal Carcinoma: PD (n=27)   Sangharyngeal Carcinoma: PD (n=27)   Sangharyngeal Carcinoma: PD (n=27)   Sangharyngeal Carcinoma: Missing (n=27)   Sangharyngeal Carcinoma: Missing (n=27)   Sangharyngeal Carcinoma: Missing (n=27)   MSI-H or MMR Deficient Colorectal: PR (n=10)   MSI-H or MMR Deficient Colorectal: PD (n=15)   BRCA Mutated Ovarian Cancer: CR (n=15)   BRCA Mutated Ovarian Cancer: PR (n=15)   BRCA Mutated Ovarian Cancer: PD (n=15)   BRCA Mutated Ovarian Cancer: PD (n=15)   BRCA Mutated Ovarian Cancer: Missing (n=15)   BRCA Mutated Ovarian Cancer: Missing (n=15)   BRCA Mutated Breast Cancer: PR (n=12)   BRCA Mutated Breast Cancer: PD (n=13)   Sanghary (n=12)   Liposarcoma: PR (n=13)   O (n=12)   Liposarcoma: PR (n=17)   O (n=12)   Liposarcoma: PR (n=17)   O (n=12)   Castrointestinal Stromal Tumor (GIST): PO (n=15)   Gastrointestinal Stromal Tumor (GIST): PD (n=15)   Gastrointestinal Stromal Tumor (GIST): PD (n=15)   Gastrointestinal Stromal Tumor (MIST): PD (n=15)   Gastrointestinal Stromal Tumor (MISS); PD (n=15)   Gastrointestinal Stromal Tumor (MIST): PD (n=15)   Gastrointestinal Stromal Tumor (MISS); PD (n=15)   Gastrointestinal Stromal Tumor (MIST): PD (n=15)   Gastrointestinal Strom	Nasopharyngeal Carcinoma: CR (n=27)	0		
Nasopharyngeal Carcinoma: PD (n=27)   Nasopharyngeal Carcinoma: Missing (n=27)   MSI-H or MMR Deficient Colorectal: CR (n=10)   MSI-H or MMR Deficient Colorectal: PR (n=10)   MSI-H or MMR Deficient Colorectal: SD (n=10)   MSI-H or MMR Deficient Colorectal: SD (n=10)   MSI-H or MMR Deficient Colorectal: PD (n=10)   MSI-H or MMR Deficient Colorectal: PD (n=10)   MSI-H or MMR Deficient Colorectal: DD (n=15)   MSI-H or MMR Deficient Colorectal: DD (n=12)   MSI-H or MMR Deficient Colorectal: DD (n=13)   MSI-H or MMR Deficient Colorectal: D		11.1		
Nasopharyigeal Carcinoma: Missing		51.9		
MSI-H or MMR Deficient Colorectal: CR	Nasopharyngeal Carcinoma: PD (n=27)	33.3		
(n=10)	1	3.7		
(n=10)   MSI-H or MMR Deficient Colorectal: SD (n=10)   MSI-H or MMR Deficient Colorectal: PD (n=10)   MSI-H or MMR Deficient Colorectal: 10.0   MSI-M order of Missing (n=10)   MSI-M order of Missing (n=10)   MSI-M order of MISSING (n=15)   MSI-M order of MISSING (n=12)   MSI-M order of MISSING (n=13)   MSI-M order of MISSING (n=17)   MSI-M order of MISSING (n=10)   MSI-M order of MISSING (n=10)   MSI-M order o		0		
(n=10)   MSI-H or MMR Deficient Colorectal: PD (n=10)   10.0   MSI-H or MMR Deficient Colorectal: Missing (n=10)   BRCA Mutated Ovarian Cancer: CR (n=15)   BRCA Mutated Ovarian Cancer: SD (n=15)   BRCA Mutated Ovarian Cancer: PR (n=15)   BRCA Mutated Ovarian Cancer: PD (n=15)   BRCA Mutated Ovarian Cancer: PD (n=15)   BRCA Mutated Ovarian Cancer: PD (n=15)   BRCA Mutated Ovarian Cancer: Missing (n=15)   BRCA Mutated Ovarian Cancer: Missing (n=15)   BRCA Mutated Breast Cancer: CR (n=12)   BRCA Mutated Breast Cancer: PD (n=12)   BRCA Mutated Breast Cancer: PD (n=12)   BRCA Mutated Breast Cancer: PD (n=12)   BRCA Mutated Breast Cancer: Missing (n=12)   BRCA Mutated Breast Cancer: Missing (n=12)   BRCA Mutated Breast Cancer: Missing (n=12)   Liposarcoma: CR (n=13)   0   Liposarcoma: CR (n=13)   0   Liposarcoma: PD (n=13)   38.5   Liposarcoma: PD (n=13)   53.8   Liposarcoma: PD (n=13)   53.8   Liposarcoma: PD (n=13)   53.8   Liposarcoma: PD (n=17)   0   Leiomyosarcoma: PR (n=17)   5.9   Leiomyosarcoma: PD (n=17)   23.5   Leiomyosarcoma: PD (n=17)   23.5   Leiomyosarcoma: Missing (n=17)   23.5   Gastrointestinal Stromal Tumor (GIST): OR (n=15)   CR (n=15)   Gastrointestinal Stromal Tumor (GIST): OR (n=15)   Gastroi		0		
(m=10)       MSI-H or MMR Deficient Colorectal: Missing (n=10)       10.0         BRCA Mutated Ovarian Cancer: CR (n=15)       0         BRCA Mutated Ovarian Cancer: PR (n=15)       13.3         BRCA Mutated Ovarian Cancer: SD (n=15)       40.0         BRCA Mutated Ovarian Cancer: PD (n=15)       33.3         BRCA Mutated Ovarian Cancer: Missing (n=15)       13.3         BRCA Mutated Devarian Cancer: Missing (n=12)       0         BRCA Mutated Breast Cancer: PR (n=12)       0         BRCA Mutated Breast Cancer: SD (n=12)       25.0         BRCA Mutated Breast Cancer: PD (n=12)       58.3         BRCA Mutated Breast Cancer: Missing (n=12)       16.7         Liposarcoma: CR (n=13)       0         Liposarcoma: PR (n=13)       0         Liposarcoma: PR (n=13)       38.5         Liposarcoma: PR (n=13)       7.7         Leiomyosarcoma: PR (n=17)       5.9         Leiomyosarcoma: PR (n=17)       23.5         Leiomyosarcoma: PR (n=17)       23.5         Leiomyosarcoma: Missing (n=17)       23.5         Gastrointestinal Stromal Tumor (GIST): PR (n=15)       0         Gastrointestinal Stromal Tumor (GIST): PD (n=15)       60.0         Gastrointestinal Stromal Tumor (Missing)       0		60.0		
Missing (n=10)         BRCA Mutated Ovarian Cancer: CR (n=15)           BRCA Mutated Ovarian Cancer: PR (n=15)         13.3 (n=15)           BRCA Mutated Ovarian Cancer: SD (n=15)         40.0 (n=15)           BRCA Mutated Ovarian Cancer: PD (n=15)         33.3 (n=15)           BRCA Mutated Ovarian Cancer: Missing (n=15)         13.3 (n=15)           BRCA Mutated Ovarian Cancer: Missing (n=12)         0           BRCA Mutated Breast Cancer: CR (n=12)         0           BRCA Mutated Breast Cancer: SD (n=12)         25.0 (n=12)           BRCA Mutated Breast Cancer: PD (n=12)         58.3 (n=12)           BRCA Mutated Breast Cancer: Missing (n=12)         16.7 (n=12)           BRCA Mutated Breast Cancer: Missing (n=12)         16.7 (n=12)           BRCA Mutated Breast Cancer: Missing (n=13)         0           Liposarcoma: CR (n=13)         0           Liposarcoma: PD (n=13)         38.5           Liposarcoma: PD (n=13)         53.8           Liposarcoma: PD (n=13)         7.7           Leiomyosarcoma: PD (n=13)         7.7           Leiomyosarcoma: PD (n=17)         47.1           Leiomyosarcoma: PD (n=17)         23.5           Leiomyosarcoma: Missing (n=17)         23.5           Gastrointestinal Stromal Tumor (GIST): PR (n=15)         0           Gastrointestinal St		30.0		
BRCA Mutated Ovarian Cancer: CR (n=15)		10.0		
(n=15)   BRCA Mutated Ovarian Cancer: SD (n=15)   33.3   (n=15)   BRCA Mutated Ovarian Cancer: PD (n=15)   33.3   (n=15)   BRCA Mutated Ovarian Cancer: Missing (n=15)   13.3   (n=15)   BRCA Mutated Breast Cancer: CR (n=12)   BRCA Mutated Breast Cancer: PR (n=12)   BRCA Mutated Breast Cancer: SD (n=12)   BRCA Mutated Breast Cancer: SD (n=12)   BRCA Mutated Breast Cancer: PD (n=12)   BRCA Mutated Breast Cancer: PD (n=12)   BRCA Mutated Breast Cancer: Missing (n=12)   16.7   (n=12)   16.7   (n=12)   16.7   (n=12)   16.7   (n=13)   16.7   (n=12)   16.7   (n=13)   16.7   (n=14)   16.7   (n=15)   16.7	BRCA Mutated Ovarian Cancer: CR	0		
(n=15)         BRCA Mutated Ovarian Cancer: PD (n=15)         33.3           BRCA Mutated Ovarian Cancer: Missing (n=15)         13.3 (n=15)           BRCA Mutated Breast Cancer: CR (n=12)         0 (n=12)           BRCA Mutated Breast Cancer: PR (n=12)         0 (n=12)           BRCA Mutated Breast Cancer: SD (n=12)         25.0 (n=12)           BRCA Mutated Breast Cancer: PD (n=12)         58.3 (n=12)           BRCA Mutated Breast Cancer: Missing (n=12)         16.7 (n=12)           BRCA Mutated Breast Cancer: Missing (n=12)         16.7 (n=13)           Liposarcoma: CR (n=13)         0 (n=12)           Liposarcoma: PR (n=13)         0 (n=12)           Liposarcoma: PD (n=13)         53.8 (n=13)           Liposarcoma: Missing (n=13)         7.7 (n=13)           Leiomyosarcoma: Missing (n=13)         7.7 (n=15)           Leiomyosarcoma: PD (n=17)         23.5 (n=17)           Leiomyosarcoma: PD (n=17)         47.1 (n=17)           Leiomyosarcoma: Missing (n=17)         23.5 (n=15)           Gastrointestinal Stromal Tumor (GIST): (n=15)         0 (n=15)           Gastrointestinal Stromal Tumor (GIST): (n=15)         0 (n=15)           Gastrointestinal Stromal Tumor (GIST): (n=15)         0 (n=15)           Gastrointestinal Stromal Tumor (Missing)         0 (n=15)		13.3		
(n=15)   BRCA Mutated Ovarian Cancer: Missing (n=15)   BRCA Mutated Breast Cancer: CR (n=12)   BRCA Mutated Breast Cancer: PR (n=12)   BRCA Mutated Breast Cancer: PR (n=12)   BRCA Mutated Breast Cancer: SD (n=12)   BRCA Mutated Breast Cancer: PD (n=12)   BRCA Mutated Breast Cancer: PD (n=12)   BRCA Mutated Breast Cancer: Missing (n=12)   BRCA Mutated Breast Cancer: Missing (n=12)   Iposarcoma: CR (n=13)   0   Iposarcoma: PR (n=13)   0   Iposarcoma: PD (n=13)   38.5   Iposarcoma: PD (n=13)   53.8   Iposarcoma: Missing (n=13)   7.7   Inopular Cancer CR (n=17)   1.0   Inopular Cancer CR (n=17)   1.0   Inopular Cancer CR (n=17)   1.0   Inopular Cancer CR (n=17)   Inopular Cancer CR (n=15)   Inopular CR		40.0		
(n=15)       BRCA Mutated Breast Cancer: CR (n=12)       0         BRCA Mutated Breast Cancer: PR (n=12)       0         BRCA Mutated Breast Cancer: SD (n=12)       25.0         BRCA Mutated Breast Cancer: PD (n=12)       58.3         BRCA Mutated Breast Cancer: Missing (n=12)       16.7         Liposarcoma: CR (n=13)       0         Liposarcoma: PR (n=13)       0         Liposarcoma: SD (n=13)       38.5         Liposarcoma: Missing (n=13)       7.7         Leiomyosarcoma: Missing (n=17)       0         Leiomyosarcoma: PR (n=17)       5.9         Leiomyosarcoma: SD (n=17)       23.5         Leiomyosarcoma: Missing (n=17)       23.5         Leiomyosarcoma: Missing (n=17)       23.5         Gastrointestinal Stromal Tumor (GIST): PR (n=15)       0         Gastrointestinal Stromal Tumor (GIST): SD (n=15)       40.0         Gastrointestinal Stromal Tumor (GIST): PD (n=15)       60.0         Gastrointestinal Stromal Tumor: Missing       0		33.3		
(n=12)	_	13.3		
Content   Cont		0		
Castrointestinal Stromal Tumor (GIST):   Castrointestinal Stromal St		0		
Castrointestinal Stromal Tumor (GIST):   Castrointestinal Stromal Tumor (GIS		25.0		
(n=12)       Liposarcoma: CR (n=13)       0         Liposarcoma: PR (n=13)       0         Liposarcoma: SD (n=13)       38.5         Liposarcoma: PD (n=13)       53.8         Liposarcoma: Missing (n=13)       7.7         Leiomyosarcoma: CR (n=17)       0         Leiomyosarcoma: PR (n=17)       5.9         Leiomyosarcoma: SD (n=17)       23.5         Leiomyosarcoma: PD (n=17)       47.1         Leiomyosarcoma: Missing (n=17)       23.5         Gastrointestinal Stromal Tumor (GIST): CR (n=15)       0         Gastrointestinal Stromal Tumor (GIST): SD (n=15)       0         Gastrointestinal Stromal Tumor (GIST): PD (n=15)       40.0         Gastrointestinal Stromal Tumor (GIST): PD (n=15)       60.0         Gastrointestinal Stromal Tumor: Missing       0		58.3		
Liposarcoma: PR (n=13) 0 Liposarcoma: SD (n=13) 38.5 Liposarcoma: PD (n=13) 53.8 Liposarcoma: Missing (n=13) 7.7 Leiomyosarcoma: CR (n=17) 0 Leiomyosarcoma: PR (n=17) 5.9 Leiomyosarcoma: SD (n=17) 23.5 Leiomyosarcoma: PD (n=17) 47.1 Leiomyosarcoma: Missing (n=17) 23.5 Gastrointestinal Stromal Tumor (GIST): CR (n=15) Gastrointestinal Stromal Tumor (GIST): PR (n=15) Gastrointestinal Stromal Tumor (GIST): 40.0 SD (n=15) Gastrointestinal Stromal Tumor (GIST): 60.0 PD (n=15) Gastrointestinal Stromal Tumor (GIST): 60.0 PD (n=15) Gastrointestinal Stromal Tumor: Missing 0		16.7		
Liposarcoma: SD (n=13) Liposarcoma: PD (n=13) S38.5 Liposarcoma: Missing (n=13) Leiomyosarcoma: CR (n=17) Leiomyosarcoma: PR (n=17) Leiomyosarcoma: SD (n=17) Leiomyosarcoma: SD (n=17) Leiomyosarcoma: PD (n=17) Leiomyosarcoma: Missing (n=17) Leiomyosarcoma: Missing (n=17) Gastrointestinal Stromal Tumor (GIST): CR (n=15) Gastrointestinal Stromal Tumor (GIST): PR (n=15) Gastrointestinal Stromal Tumor (GIST): SD (n=15) Gastrointestinal Stromal Tumor (GIST): PD (n=15) Gastrointestinal Stromal Tumor (GIST): O O O O O O O O O O O O O O O O O O O	, , , , ,	0		
Liposarcoma: PD (n=13)  Liposarcoma: Missing (n=13)  Leiomyosarcoma: CR (n=17)  Leiomyosarcoma: PR (n=17)  Leiomyosarcoma: SD (n=17)  Leiomyosarcoma: PD (n=17)  Leiomyosarcoma: PD (n=17)  Leiomyosarcoma: PD (n=17)  Leiomyosarcoma: Missing (n=17)  Gastrointestinal Stromal Tumor (GIST):  CR (n=15)  Gastrointestinal Stromal Tumor (GIST):  PR (n=15)  Gastrointestinal Stromal Tumor (GIST):  SD (n=15)  Gastrointestinal Stromal Tumor (GIST):  PD (n=15)  Gastrointestinal Stromal Tumor: Missing  O	1	_		
Liposarcoma: Missing (n=13) Leiomyosarcoma: CR (n=17) Leiomyosarcoma: PR (n=17) Leiomyosarcoma: SD (n=17) Leiomyosarcoma: SD (n=17) Leiomyosarcoma: PD (n=17) Leiomyosarcoma: Missing (n=17) Leiomyosarcoma: Missing (n=17) Gastrointestinal Stromal Tumor (GIST): CR (n=15) Gastrointestinal Stromal Tumor (GIST): PR (n=15) Gastrointestinal Stromal Tumor (GIST): SD (n=15) Gastrointestinal Stromal Tumor (GIST): PD (n=15) Gastrointestinal Stromal Tumor (GIST): O O O O O O O O O O O O O O O O O O O	· ' ' ' '			
Leiomyosarcoma: CR (n=17)       0         Leiomyosarcoma: PR (n=17)       5.9         Leiomyosarcoma: SD (n=17)       23.5         Leiomyosarcoma: PD (n=17)       47.1         Leiomyosarcoma: Missing (n=17)       23.5         Gastrointestinal Stromal Tumor (GIST): CR (n=15)       0         Gastrointestinal Stromal Tumor (GIST): PR (n=15)       0         Gastrointestinal Stromal Tumor (GIST): SD (n=15)       40.0         Gastrointestinal Stromal Tumor (GIST): PD (n=15)       60.0         Gastrointestinal Stromal Tumor: Missing       0	1	53.8		
Leiomyosarcoma: PR (n=17) Leiomyosarcoma: SD (n=17) Leiomyosarcoma: PD (n=17) Leiomyosarcoma: Missing (n=17) Leiomyosarcoma: Missing (n=17)  Castrointestinal Stromal Tumor (GIST): CR (n=15)  Gastrointestinal Stromal Tumor (GIST): PR (n=15)  Gastrointestinal Stromal Tumor (GIST): SD (n=15)  Gastrointestinal Stromal Tumor (GIST): PD (n=15)  Gastrointestinal Stromal Tumor: Missing  O	Liposarcoma: Missing (n=13)	7.7		
Leiomyosarcoma: SD (n=17) Leiomyosarcoma: PD (n=17) Leiomyosarcoma: Missing (n=17)  Castrointestinal Stromal Tumor (GIST): CR (n=15)  Gastrointestinal Stromal Tumor (GIST): PR (n=15)  Gastrointestinal Stromal Tumor (GIST): SD (n=15)  Gastrointestinal Stromal Tumor (GIST): PD (n=15)  Gastrointestinal Stromal Tumor: Missing  O  23.5  0  0  47.1  0  0  40.0  60.0  60.0  PD (n=15)  Gastrointestinal Stromal Tumor: Missing  O	Leiomyosarcoma: CR (n=17)	0		
Leiomyosarcoma: PD (n=17)  Leiomyosarcoma: Missing (n=17)  Gastrointestinal Stromal Tumor (GIST):  CR (n=15)  Gastrointestinal Stromal Tumor (GIST):  PR (n=15)  Gastrointestinal Stromal Tumor (GIST):  SD (n=15)  Gastrointestinal Stromal Tumor (GIST):  PD (n=15)  Gastrointestinal Stromal Tumor: Missing  0	Leiomyosarcoma: PR (n=17)	5.9		
Leiomyosarcoma: Missing (n=17)  Gastrointestinal Stromal Tumor (GIST): CR (n=15)  Gastrointestinal Stromal Tumor (GIST): PR (n=15)  Gastrointestinal Stromal Tumor (GIST): SD (n=15)  Gastrointestinal Stromal Tumor (GIST): PD (n=15)  Gastrointestinal Stromal Tumor: Missing  0	Leiomyosarcoma: SD (n=17)	23.5		
$\begin{array}{c} \text{Gastrointestinal Stromal Tumor (GIST):} & 0 \\ \text{CR (n=15)} & 0 \\ \text{Gastrointestinal Stromal Tumor (GIST):} & 0 \\ \text{PR (n=15)} & 40.0 \\ \text{SD (n=15)} & 40.0 \\ \text{SD (n=15)} & 60.0 \\ \text{PD (n=15)} & 60.0 \\ \end{array}$	Leiomyosarcoma: PD (n=17)	47.1		
CR (n=15) Gastrointestinal Stromal Tumor (GIST): PR (n=15) Gastrointestinal Stromal Tumor (GIST): SD (n=15) Gastrointestinal Stromal Tumor (GIST): PD (n=15) Gastrointestinal Stromal Tumor: Missing 0	Leiomyosarcoma: Missing (n=17)	23.5		
PR (n=15) Gastrointestinal Stromal Tumor (GIST): SD (n=15) Gastrointestinal Stromal Tumor (GIST): PD (n=15) Gastrointestinal Stromal Tumor: Missing 0		0		
SD (n=15) Gastrointestinal Stromal Tumor (GIST): PD (n=15) Gastrointestinal Stromal Tumor: Missing 0		0		
PD (n=15) Gastrointestinal Stromal Tumor: Missing 0	1 , , ,	40.0		
1 1 1 1		60.0		
(11-13)	Gastrointestinal Stromal Tumor: Missing (n=15)	0		

Undifferentiated Pleomorphic Sarc: CR (n=11)	0
Undifferentiated Pleomorphic Sarc: PR (n=11)	0
Undifferentiated Pleomorphic Sarc: SD (n=11)	9.1
Undifferentiated Pleomorphic Sarc: PD (n=11)	81.8
Undifferentiated Pleomorphic Sarc: Missing (n=11)	9.1
Known Translocation-Related Sarcomas: CR (n=26)	0
Known Translocation-Related Sarcomas: PR (n=26)	7.7
Known Translocation-Related Sarcomas: SD (n=26)	46.2
Known Translocation-Related Sarcomas: PD (n=26)	30.8
Known Translocation-Related Sarc: Missing (n=26)	15.4

Anaplastic Thyroid Cancer (TC): CR (n=15)	0		
Anaplastic Thyroid Cancer (TC): PR (n=15)	0		
Anaplastic Thyroid Cancer (TC): SD (n=15)	13.3		
Anaplastic Thyroid Cancer (TC): PD (n=15)	73.3		
Anaplastic Thyroid Cancer (TC): Missing (n=15)	13.3		
Follicular or Papillary TC: CR (n=11)	0		
Follicular or Papillary TC: PR (n=11)	9.1		
Follicular or Papillary TC: SD (n=11)	72.7		
Follicular or Papillary TC: PD (n=11)	9.1		
Follicular or Papillary Thyroid TC: Missing (n=11)	9.1		
Medullary/Follicular/Papillary TC: CR (n=7)	0		
Medullary/Follicular/Papillary TC: PR (n=7)	0		
Medullary/Follicular/Papillary TC: SD (n=7)	42.9		
Medullary/Follicular/Papillary TC: PD (n=7)	42.9		
Medullary/Follicular/Papillary TC: Missing (n=7)	14.3		
Gastric/GE Junction Adenocarcinoma: CR (n=14)	0		
Gastric/GE Junction Adenocarcinoma: PR (n=14)	7.1		
Gastric/GE Junction Adenocarcinoma: SD (n=14)	35.7		
Gastric/GE Junction Adenocarcinoma: PD (n=14)	35.7		
Gastric/GE Junction Adenocarcinoma: Missing (n=14)	21.4		
Malignant Germ Cell Tumors: CR (n=14)	0		
Malignant Germ Cell Tumors: PR (n=14)	0		
Malignant Germ Cell Tumors: SD (n=14)	50.0		
Malignant Germ Cell Tumors: PD (n=14)	50.0		
Malignant Germ Cell Tumors: Missing (n=14)	0		
ER+/HER2- Hypermutated MBC: CR (n=12)	0		
ER+/HER2- Hypermutated MBC: PR (n=12)	8.3		
ER+/HER2- Hypermutated MBC: SD (n=12)	25.0		
ER+/HER2- Hypermutated MBC: PD (n=12)	58.3		
ER+/HER2- Hypermutated MBC: Missing (n=12)	8.3		
Thymoma: CR (n=13)	0		
Thymoma: PR (n=13)	38.5		
Thymoma: SD (n=13)	46.2		
Thymoma: PD (n=13)	7.7		
Thymoma: Missing (n=13)	7.7		
Thymic cancer: CR (n=12)	0		

	T		
Thymic cancer: PR (n=12)	8.3		
Thymic cancer: SD (n=12)	50.0		
Thymic cancer: PD (n=12)	33.3		
Thymic cancer: Missing (n=12)	8.3		
Low/Intermediate Grade Carcinoid: CR (n=12)	0		
Low/Intermediate Grade Carcinoid: PR (n=12)	0		
Low/Intermediate Grade Carcinoid: SD (n=12)	100.0		
Low/Intermediate Grade Carcinoid: PD (n=12)	0		
Low/Intermediate Grade Carcinoid: Missing (n=12)	0		
Poorly Differentiated Grade: CR (n=12)	0		
Poorly Differentiated Grade: PR (n=12)	16.7		
Poorly Differentiated Grade: SD (n=12)	16.7		
Poorly Differentiated Grade: PD (n=12)	58.3		
Poorly Differentiated Grade: Missing (n=12)	8.3		
Head and Neck Squamous Cell Carcinoma: CR (n=6)	16.7		
Head and Neck Squamous Cell Carcinoma: PR (n=6)	0		
Head and Neck Squamous Cell Carcinoma: SD (n=6)	33.3		
Head and Neck Squamous Cell Carcinoma: PD (n=6)	50.0		
Head and Neck Squamous Cell: Missing (n=6)	0		
Penile Cancer: CR (n=4)	0		
Penile Cancer: PR (n=4)	0		
Penile Cancer: SD (n=4)	50.0		
Penile Cancer: PD (n=4)	50.0		
Penile Cancer: Missing (n=4)	0		
Anal Cancer: CR (n=11)	9.1		
Anal Cancer: PR (n=11)	0		
Anal Cancer: SD (n=11)	45.5		
Anal Cancer: PD (n=11)	45.5		
Anal Cancer: Missing (n=11)	0		
Known MSI High or MMR Deficient Tumors: CR (n=10)	0		
Known MSI High or MMR Deficient Tumors: PR (n=10)	20.0		
Known MSI High or MMR Deficient Tumors: SD (n=10)	60.0		
Known MSI High or MMR Deficient Tumors: PD (n=10)	20.0		
Known MSI High or MMR Deficient: Missing (n=10)	0		

End point title	ORR Based on Modified RECIST v1.1

## End point description:

Modified RECIST was based on the following: 1) New measurable lesions were added into the total tumor burden and followed; 2) Non-target lesions contributed only in the assessment of a CR; 3) Radiographic progression was determined only on the basis of measurable disease; had to be confirmed by a consecutive assessment =/>4 weeks from the date first documented. ORR was defined as the percentage of participants with CR or PR. CR: Disappearance of all target lesions. PR: At least a 30% decrease in the sum of the diameters of all target and all new measurable lesions, taking as reference the baseline sum of diameters, in the absence of CR. Efficacy analysis set included all eligible and evaluable participants. A participant was considered evaluable if they received study drug, had a baseline tumor assessment and at least one tumor assessment post-baseline.

	End point type	Secondary
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#### End point timeframe:

	Atezolizumab		
Subject group type	Reporting group		
Number of subjects analysed	433		
Units: percentage of participants			
number (confidence interval 95%)			
Overall Population (n=433)	7.9 (5.5 to 10.8)		
Cervical Cancer (n=27)	14.8 (4.2 to 33.7)		
Nasopharyngeal Carcinoma (n=27)	11.1 (2.4 to 29.2)		
MSI-H or MMR Deficient Colorectal Cancer (n=10)	0.0 (0.0 to 30.8)		
BRCA Mutated Ovarian Cancer (n=15)	13.3 (1.7 to 40.5)		
BRCA Mutated Breast Cancer (n=12)	0.0 (0.0 to 26.5)		
Liposarcoma (n=13)	0.0 (0.0 to 24.7)		
Leiomyosarcoma (n=17)	5.9 (0.1 to 28.7)		
Gastrointestinal Stromal Tumor (GIST) (n=15)	0.0 (0.0 to 21.8)		
Undifferentiated Pleomorphic Sarcoma (n=11)	0.0 (0.0 to 28.5)		
Known Translocation-Related Sarcomas (n=26)	7.7 (0.9 to 25.1)		
Radiation Induced Sarcoma (n=8)	12.5 (0.3 to 52.7)		
Osteosarcoma (n=11)	9.1 (0.2 to 41.3)		
Chondrosarcoma (n=12)	0.0 (0.0 to 26.5)		
Pleural Mesothelioma (n=13)	7.7 (0.2 to 36.0)		
Peritoneal Mesothelioma (n=14)	14.3 (1.8 to 42.8)		
Cholangiocarcinoma/Biliary Tract Cancer (n=13)	0.0 (0.0 to 24.7)		

Anaplastic Thyroid Cancer (TC) (n=15)	0.0 (0.0 to 21.8)
Follicular or Papillary Thyroid Cancer (TC) (n=11)	9.1 (0.2 to 41.3)
Medullary/Follicular/Papillary TC (n=7)	0.0 (0.0 to 41.0)
Gastric/GE Junction Adenocarcinoma (n=14)	7.1 (0.2 to 33.9)
Malignant Germ Cell Tumors (n=14)	0.0 (0.0 to 23.2)
ER+/HER2- Hypermutated MBC (n=12)	8.3 (0.2 to 38.5)
Thymoma (n=13)	38.5 (13.9 to 68.4)
Thymic cancer (n=12)	8.3 (0.2 to 38.5)
Low/Intermediate Grade Carcinoid (n=12)	0.0 (0.0 to 26.5)
Poorly Differentiated Grade (excl. SCLC) (n=12)	16.7 (2.1 to 48.4)
Head and Neck Squamous Cell Carcinoma (n=6)	16.7 (0.4 to 64.1)
Penile Cancer (n=4)	0.0 (0.0 to 60.2)
Anal Cancer (n=11)	9.1 (0.2 to 41.3)
Known MSI High or MMR Deficient Tumors (n=10)	20.0 (2.5 to 55.6)

End point title	CBR Based on Modified RECIST v1.1

## End point description:

Modified RECIST: 1) New measurable lesions were added into the total tumor burden and followed; 2) Non-target lesions contributed only in the assessment of a CR; 3) Radiographic progression was determined only on the basis of measurable disease; had to be confirmed by a consecutive assessment =/>4 weeks from the date first documented. CBR was defined as the percentage of participants with CR, PR, or SD lasting for >/=6 weeks. CR: Disappearance of all target lesions. PR: At least a 30% decrease in the sum of the diameters of all target and all new measurable lesions in the absence of CR. SD: Neither sufficient shrinkage to qualify for PR nor sufficient increase to qualify for progressive disease (PD). PD: At least a 20% increase in the sum of diameters of all target and all new measurable lesions. Efficacy analysis set: all eligible and evaluable (received study drug, had baseline tumor assessment and at least one tumor assessment post-baseline) participants.

End point type Secondary

#### End point timeframe:

	Atezolizumab		
Subject group type	Reporting group	 	
Number of subjects analysed	433		
Units: percentage of participants			
number (confidence interval 95%)			
Overall Population (n=433)	51.7 (46.9 to 56.5)		
Cervical Cancer (n=27)	59.3 (38.8 to 77.6)		
Nasopharyngeal Carcinoma (n=27)	63.0 (42.4 to 80.6)		
MSI-H or MMR Deficient Colorectal Cancer (n=10)	60.0 (26.2 to 87.8)		
BRCA Mutated Ovarian Cancer (n=15)	53.3 (26.6 to 78.7)		
BRCA Mutated Breast Cancer (n=12)	25.0 (5.5 to 57.2)		
Liposarcoma (n=13)	38.5 (13.9 to 68.4)		
Leiomyosarcoma (n=17)	29.4 (10.3 to 56.0)		
Gastrointestinal Stromal Tumor (GIST) (n=15)	40.0 (16.3 to 67.7)		
Undifferentiated Pleomorphic Sarcoma (n=11)	9.1 (0.2 to 41.3)		
Known Translocation-Related Sarcomas (n=26)	53.8 (33.4 to 73.4)		
Radiation Induced Sarcoma (n=8)	50.0 (15.7 to 84.3)		
Osteosarcoma (n=11)	45.5 (16.7 to 76.6)		
Chondrosarcoma (n=12)	50.0 (21.1 to 78.9)		
Pleural Mesothelioma (n=13)	69.2 (38.6 to 90.9)		
Peritoneal Mesothelioma (n=14)	64.3 (35.1 to 87.2)		
Cholangiocarcinoma/Biliary Tract Cancer (n=13)	69.2 (38.6 to 90.9)		
Anaplastic Thyroid Cancer (TC) (n=15)	13.3 (1.7 to 40.5)		
Follicular or Papillary Thyroid Cancer (TC) (n=11)	81.8 (48.2 to 97.7)		
Medullary/Follicular/Papillary TC (n=7)	42.9 (9.9 to 81.6)		
Gastric/GE Junction Adenocarcinoma (n=14)	42.9 (17.7 to 71.1)		
Malignant Germ Cell Tumors (n=14)	50.0 (23.0 to 77.0)		
ER+/HER2- Hypermutated MBC (n=12)	33.3 (9.9 to 65.1)		
Thymoma (n=13)	84.6 (54.6 to 98.1)		
Thymic cancer (n=12)	58.3 (27.7 to 84.8)		
Low/Intermediate Grade Carcinoid (n=12)	100.0 (73.5 to 100.0)		
Poorly Differentiated Grade (excl. SCLC) (n=12)	33.3 (9.9 to 65.1)		
Head and Neck Squamous Cell Carcinoma (n=6)	50.0 (11.8 to 88.2)		

Penile Cancer (n=4)	50.0 (6.8 to 93.2)		
Anal Cancer (n=11)	54.5 (23.4 to 83.3)		
Known MSI High or MMR Deficient Tumors (n=10)	80.0 (44.4 to 97.5)		

Timeframe for reporting adverse events:

Up to approximately 4.5 years

Adverse event reporting additional description:

Safety analysis set included all participants who received at least one dose of study medication.

Assessment type	Systematic
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Dictionary name	MedDRA
Dictionary version	23.0

Reporting group title Atezolizumab
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Reporting group description:

Atezolizumab 1200 milligrams (mg) was administered by intravenous (IV) infusion on Day 1 of each 3-week cycle until disease progression or unacceptable toxicity.

	Atezolizumab	 
Total subjects affected by serious adverse events		
subjects affected / exposed	142 / 474 (29.96%)	
number of deaths (all causes)	310	
number of deaths resulting from adverse events		
Neoplasms benign, malignant and		
unspecified (incl cysts and polyps)  ACUTE MYELOID LEUKAEMIA		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 1	
BASAL CELL CARCINOMA		
subjects affected / exposed	2 / 474 (0.42%)	
occurrences causally related to treatment / all	0 / 2	
deaths causally related to treatment / all	0 / 0	
CANCER PAIN		
subjects affected / exposed	2 / 474 (0.42%)	
occurrences causally related to treatment / all	0 / 2	
deaths causally related to treatment / all	0 / 0	
LUNG NEOPLASM MALIGNANT		

1 / 474 (0.21%)		
0 / 1		
0/0		
1 / 474 (0.21%)		
0 / 1		
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1 / 474 (0.21%)		
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FATIGUE	I	1	1
subjects affected / exposed	3 / 474 (0.63%)		
occurrences causally related to treatment / all	2/3		
deaths causally related to treatment / all	0 / 0		
GENERAL PHYSICAL HEALTH DETERIORATION			İ
subjects affected / exposed	3 / 474 (0.63%)		
occurrences causally related to treatment / all	1/3		
deaths causally related to treatment / all	0 / 0		
MALAISE			
subjects affected / exposed	2 / 474 (0.42%)		
occurrences causally related to treatment / all	0 / 2		
deaths causally related to treatment / all	0 / 0		
PYREXIA			
subjects affected / exposed	9 / 474 (1.90%)		
occurrences causally related to treatment / all	5 / 9		
deaths causally related to treatment / all	0 / 0		
Reproductive system and breast			
disorders VAGINAL FISTULA			
subjects affected / exposed	1 / 474 (0.21%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
VAGINAL HAEMORRHAGE			
subjects affected / exposed	1 / 474 (0.21%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
Respiratory, thoracic and mediastinal disorders			
ACUTE PULMONARY OEDEMA			
subjects affected / exposed	1 / 474 (0.21%)		
occurrences causally related to treatment / all	0 / 1		
deaths causally related to treatment / all	0 / 0		
CHYLOTHORAX			

	subjects affected / exposed	1 / 474 (0.21%)	
	occurrences causally related to treatment / all	0 / 1	
	deaths causally related to treatment / all	0 / 0	
	DYSPNOEA		
	subjects affected / exposed	8 / 474 (1.69%)	
	occurrences causally related to treatment / all	1 / 8	
	deaths causally related to treatment / all	0 / 0	
	INTERSTITIAL LUNG DISEASE		
	subjects affected / exposed	1 / 474 (0.21%)	
	occurrences causally related to treatment / all	0 / 1	
	deaths causally related to treatment / all	0 / 0	
	PLEURAL EFFUSION		
	subjects affected / exposed	3 / 474 (0.63%)	
	occurrences causally related to treatment / all	1/3	
	deaths causally related to treatment / all	0 / 0	
	PNEUMONIA ASPIRATION		
	subjects affected / exposed	2 / 474 (0.42%)	
	occurrences causally related to treatment / all	0 / 3	
	deaths causally related to treatment / all	0 / 1	
	PNEUMONITIS		
	subjects affected / exposed	2 / 474 (0.42%)	
	occurrences causally related to treatment / all	2 / 2	
	deaths causally related to treatment / all	1/1	
	PNEUMOTHORAX	ĺ	
	subjects affected / exposed	2 / 474 (0.42%)	
	occurrences causally related to treatment / all	0 / 2	
	deaths causally related to treatment / all	0 / 1	
İ	PULMONARY EMBOLISM	į į	
	subjects affected / exposed	3 / 474 (0.63%)	
	occurrences causally related to treatment / all	0/3	
	deaths causally related to treatment / all	0 / 0	
i	TRACHEAL INFLAMMATION	į į	İ
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subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
Psychiatric disorders		
CONFUSIONAL STATE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0/0	
SUICIDE ATTEMPT		
subjects affected / exposed	2 / 474 (0.42%)	
occurrences causally related to treatment / all	0 / 2	
deaths causally related to treatment / all	0 / 1	
Investigations		
BLOOD CREATININE INCREASED		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0/0	
HEPATIC ENZYME INCREASED		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	1/1	
deaths causally related to treatment / all	0/0	
WEIGHT DECREASED	1	
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
Injury, poisoning and procedural		
complications		
FACIAL BONES FRACTURE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0/0	
FEMUR FRACTURE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	

HIP FRACTURE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
INFUSION RELATED REACTION		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	1 / 1	
deaths causally related to treatment / all	0 / 0	
OVERDOSE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
RADIUS FRACTURE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
SPINAL FRACTURE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
THORACIC VERTEBRAL FRACTURE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
TOXICITY TO VARIOUS AGENTS		

subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	1/1	
deaths causally related to treatment / all	0/0	
CARDIAC TAMPONADE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0/0	
PALPITATIONS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0/0	
Nervous system disorders		
CEREBELLAR ATAXIA		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	1/1	
deaths causally related to treatment / all	0/0	
CEREBROVASCULAR ACCIDENT		
subjects affected / exposed	3 / 474 (0.63%)	
occurrences causally related to treatment / all	0 / 3	
deaths causally related to treatment / all	0 / 0	
COGNITIVE DISORDER		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0/0	
DIPLEGIA		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0/0	
DIZZINESS	1	ĺ
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0/0	
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treatment / all		2 / 2	
subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all  SEIZURE subjects affected / exposed occurrences causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  Blood and lymphatic system disorders ANAEMIA subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all  APLASTIC ANAEMIA subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC		1/1	
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treatment / all 0 / 0  SEIZURE subjects affected / exposed 1 / 474 (0.21%)  occurrences causally related to treatment / all 0 / 0  Blood and lymphatic system disorders ANAEMIA subjects affected / exposed 8 / 474 (1.69%)  occurrences causally related to treatment / all 0 / 0  APLASTIC ANAEMIA subjects affected / exposed 1 / 474 (0.21%)  APLASTIC ANAEMIA subjects affected / exposed 1 / 474 (0.21%) occurrences causally related to treatment / all 1 / 1 deaths causally related to treatment / all 0 / 0  AUTOIMMUNE HAEMOLYTIC		0 / 1	
subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  Blood and lymphatic system disorders  ANAEMIA  subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  APLASTIC ANAEMIA  subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC		0 / 0	
occurrences causally related to treatment / all deaths causally related to treatment / all 0 / 0  Blood and lymphatic system disorders ANAEMIA subjects affected / exposed 8 / 474 (1.69%) occurrences causally related to treatment / all deaths causally related to treatment / all 0 / 0  APLASTIC ANAEMIA subjects affected / exposed 1 / 474 (0.21%) occurrences causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all 0 / 0  AUTOIMMUNE HAEMOLYTIC	SEIZURE	1	
treatment / all deaths causally related to treatment / all  Description  Blood and lymphatic system disorders ANAEMIA subjects affected / exposed  Occurrences causally related to treatment / all deaths causally related to treatment / all  APLASTIC ANAEMIA subjects affected / exposed  Occurrences causally related to treatment / all  APLASTIC ANAEMIA subjects affected / exposed  Occurrences causally related to treatment / all deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC	subjects affected / exposed	1 / 474 (0.21%)	
Blood and lymphatic system disorders ANAEMIA subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all  APLASTIC ANAEMIA subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  occurrences causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC		1 / 1	
ANAEMIA subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all  APLASTIC ANAEMIA subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC		0/0	
subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  APLASTIC ANAEMIA subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC	Blood and lymphatic system disorders		
occurrences causally related to treatment / all deaths causally related to treatment / all  APLASTIC ANAEMIA subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC			
treatment / all  deaths causally related to treatment / all  APLASTIC ANAEMIA subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC	subjects affected / exposed	8 / 474 (1.69%)	
treatment / all 0 / 0  APLASTIC ANAEMIA subjects affected / exposed 1 / 474 (0.21%)  occurrences causally related to treatment / all 0 / 0  AUTOIMMUNE HAEMOLYTIC		0 / 9	
subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC		0/0	
occurrences causally related to treatment / all deaths causally related to treatment / all 0 / 0  AUTOIMMUNE HAEMOLYTIC	APLASTIC ANAEMIA	1	
treatment / all deaths causally related to treatment / all  AUTOIMMUNE HAEMOLYTIC	subjects affected / exposed	1 / 474 (0.21%)	
treatment / all 0 / 0  AUTOIMMUNE HAEMOLYTIC		1/1	
		0/0	
	I .		

	subjects affected / exposed	1 / 474 (0.21%)		
	occurrences causally related to treatment / all	1/1		
	deaths causally related to treatment / all	0 / 0		
F	EBRILE NEUTROPENIA			
	subjects affected / exposed	2 / 474 (0.42%)		
	occurrences causally related to treatment / all	2 / 2		
	deaths causally related to treatment / all	0 / 0		
0	GRANULOCYTOPENIA			
	subjects affected / exposed	1 / 474 (0.21%)		
	occurrences causally related to treatment / all	1 / 1		
	deaths causally related to treatment / all	0 / 0		
L	YMPH NODE HAEMORRHAGE			
	subjects affected / exposed	1 / 474 (0.21%)		
	occurrences causally related to treatment / all	0 / 1		
	deaths causally related to treatment / all	0 / 0		
s	PLENIC VEIN THROMBOSIS			
	subjects affected / exposed	1 / 474 (0.21%)		
	occurrences causally related to treatment / all	0 / 1		
	deaths causally related to treatment / all	0 / 1		
т	HROMBOCYTOPENIA			
	subjects affected / exposed	2 / 474 (0.42%)		
	occurrences causally related to treatment / all	2 / 2		
	deaths causally related to treatment / all	0 / 0		
- 1	rointestinal disorders BDOMINAL PAIN			
	subjects affected / exposed	2 / 474 (0.42%)		
	occurrences causally related to treatment / all	0 / 2		
	deaths causally related to treatment / all	0 / 0		
A	BDOMINAL PAIN LOWER			
	subjects affected / exposed	1 / 474 (0.21%)		
	occurrences causally related to treatment / all	0 / 1		
	deaths causally related to treatment / all	0 / 0		
c	OLITIS			
•		•	•	•

	subjects affected / exposed	3 / 474 (0.63%)
	occurrences causally related to treatment / all	2/3
	deaths causally related to treatment / all	0 / 0
	CONSTIPATION	
	subjects affected / exposed	2 / 474 (0.42%)
	occurrences causally related to treatment / all	0 / 2
	deaths causally related to treatment / all	0 / 0
	DIARRHOEA	
	subjects affected / exposed	1 / 474 (0.21%)
	occurrences causally related to treatment / all	1 / 1
	deaths causally related to treatment / all	0 / 0
	ENTERITIS	
	subjects affected / exposed	1 / 474 (0.21%)
	occurrences causally related to treatment / all	1 / 1
	deaths causally related to treatment / all	0 / 0
	GASTRIC HAEMORRHAGE	
	subjects affected / exposed	1 / 474 (0.21%)
	occurrences causally related to treatment / all	0 / 3
	deaths causally related to treatment / all	0 / 1
	GASTRIC ULCER	
	subjects affected / exposed	2 / 474 (0.42%)
	occurrences causally related to treatment / all	0 / 2
	deaths causally related to treatment / all	0 / 0
	GASTROINTESTINAL HAEMORRHAGE	
	subjects affected / exposed	2 / 474 (0.42%)
	occurrences causally related to treatment / all	1 / 2
	deaths causally related to treatment / all	0 / 0
	ILEUS	
	subjects affected / exposed	1 / 474 (0.21%)
	occurrences causally related to treatment / all	0 / 1
	deaths causally related to treatment / all	0 / 0
	IMMUNE-MEDIATED ENTEROCOLITIS	
1	-1	

subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	1 / 1	
deaths causally related to treatment / all	0 / 0	
IMPAIRED GASTRIC EMPTYING		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
LARGE INTESTINE PERFORATION		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 1	
OESOPHAGEAL STENOSIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
PANCREATITIS		
subjects affected / exposed	2 / 474 (0.42%)	
occurrences causally related to treatment / all	2 / 2	
deaths causally related to treatment / all	0 / 0	
SMALL INTESTINAL OBSTRUCTION		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 2	
deaths causally related to treatment / all	0 / 0	
STOMATITIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
Hepatobiliary disorders		
AUTOIMMUNE HEPATITIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
HEPATIC STEATOSIS		

subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
HEPATIC VEIN THROMBOSIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 1	
HEPATITIS		
subjects affected / exposed	2 / 474 (0.42%)	
occurrences causally related to treatment / all	1 / 2	
deaths causally related to treatment / all	0 / 0	
Skin and subcutaneous tissue disorders RASH		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	1 / 1	
deaths causally related to treatment / all	0 / 0	
Renal and urinary disorders		
ACUTE KIDNEY INJURY		
subjects affected / exposed	3 / 474 (0.63%)	
occurrences causally related to treatment / all	0 / 3	
deaths causally related to treatment / all	0 / 0	
CHRONIC KIDNEY DISEASE		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
HAEMATURIA		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
HYDRONEPHROSIS		
subjects affected / exposed	2 / 474 (0.42%)	
occurrences causally related to treatment / all	0 / 3	
deaths causally related to treatment / all	0 / 0	
NEPHROLITHIASIS		

subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all	
treatment / all deaths causally related to treatment / all deaths causally related to treatment / all  RENAL IMPAIRMENT subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all  Endocrine disorders ADRENAL INSUFFICIENCY subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all  deaths causally related to treatment / all  HYPOTHYROIDISM subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  inappropriate Antiduretic HORMONE SECRETION subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all deaths causally related to	
treatment / all	
subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all  Death of treatment / all  De	
occurrences causally related to treatment / all deaths causally related to treatment / all 0 / 0  Endocrine disorders  ADRENAL INSUFFICIENCY subjects affected / exposed 1 / 474 (0.21%) occurrences causally related to treatment / all 0 / 0  HYPOTHYROIDISM subjects affected / exposed 1 / 474 (0.21%) occurrences causally related to treatment / all 0 / 0  HYPOTHYROIDISM subjects affected / exposed 1 / 474 (0.21%) occurrences causally related to treatment / all 0 / 0  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed 2 / 474 (0.42%) occurrences causally related to treatment / all deaths causally related to treatment / all 0 / 0	
treatment / all deaths causally related to treatment / all  Definition of the state	
Endocrine disorders  ADRENAL INSUFFICIENCY subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all  HYPOTHYROIDISM subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all deaths causally related to	
ADRENAL INSUFFICIENCY subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all  HYPOTHYROIDISM subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all deaths causally related to	
subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  HYPOTHYROIDISM subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to	
occurrences causally related to treatment / all deaths causally related to treatment / all 0 / 0  HYPOTHYROIDISM subjects affected / exposed 1 / 474 (0.21%)  occurrences causally related to treatment / all deaths causally related to treatment / all 0 / 0  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed 0 / 474 (0.42%)  occurrences causally related to treatment / all deaths causally related to treatment / all deaths causally related to treatment / all deaths causally related to	
treatment / all deaths causally related to treatment / all  deaths causally related to treatment / all  Note that the subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  deaths causally related to	
treatment / all 0 / 0  HYPOTHYROIDISM subjects affected / exposed 1 / 474 (0.21%)  occurrences causally related to treatment / all deaths causally related to treatment / all 0 / 0  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed occurrences causally related to treatment / all deaths causally related to treatment / all deaths causally related to	
subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to treatment / all  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to	
occurrences causally related to treatment / all deaths causally related to treatment / all  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed occurrences causally related to treatment / all deaths causally related to	
treatment / all  deaths causally related to treatment / all  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed  occurrences causally related to treatment / all  deaths causally related to	
treatment / all 0 / 0  INAPPROPRIATE ANTIDIURETIC HORMONE SECRETION subjects affected / exposed 2 / 474 (0.42%)  occurrences causally related to treatment / all deaths causally related to	 
HORMONE SECRETION subjects affected / exposed  occurrences causally related to treatment / all deaths causally related to	
occurrences causally related to treatment / all deaths causally related to	
treatment / all deaths causally related to	
Musculoskeletal and connective tissue disorders	
ARTHRALGIA	
subjects affected / exposed 1 / 474 (0.21%)	
occurrences causally related to 1 / 1 treatment / all	
deaths causally related to treatment / all 0 / 0	
BACK PAIN	
subjects affected / exposed 2 / 474 (0.42%)	
occurrences causally related to 0 / 2 treatment / all	
deaths causally related to treatment / all 0 / 0	
BONE PAIN	
subjects affected / exposed 1 / 474 (0.21%)	
occurrences causally related to treatment / all	
deaths causally related to treatment / all 0 / 0	

MUSCULOSKELETAL CHEST PAIN		
subjects affected / exposed	2 / 474 (0.42%)	
occurrences causally related to treatment / all	0 / 2	
deaths causally related to treatment / all	0 / 0	
MYOSITIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	1 / 1	
deaths causally related to treatment / all	0 / 0	
SACROILIITIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
Infections and infestations		
ABDOMINAL INFECTION		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
BILIARY TRACT INFECTION		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
BRONCHITIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
CELLULITIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
CLOSTRIDIUM DIFFICILE COLITIS		İ
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
DIARRHOEA INFECTIOUS		İ

subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	Ì
deaths causally related to treatment / all	0 / 0	
DIVERTICULITIS		I
subjects affected / exposed	1 / 474 (0.21%)	ĺ
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	I
ERYSIPELAS		l
subjects affected / exposed	2 / 474 (0.42%)	İ
occurrences causally related to treatment / all	0 / 4	
deaths causally related to treatment / all	0 / 0	I
HEPATITIS E		l
subjects affected / exposed	1 / 474 (0.21%)	ı
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	l
HERPES ZOSTER		
subjects affected / exposed	1 / 474 (0.21%)	İ
occurrences causally related to treatment / all	1 / 1	İ
deaths causally related to treatment / all	0 / 0	l
INFECTION		l
subjects affected / exposed	2 / 474 (0.42%)	
occurrences causally related to treatment / all	0 / 2	1
deaths causally related to treatment / all	0 / 0	
KIDNEY INFECTION		ı
subjects affected / exposed	1 / 474 (0.21%)	l
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
LOWER RESPIRATORY TRACT INFECTION		
subjects affected / exposed	1 / 474 (0.21%)	ı
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	I
LOWER RESPIRATORY TRACT INFECTION BACTERIAL		

subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0/0	
MENINGITIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	1/1	
deaths causally related to treatment / all	0 / 0	
PAROTITIS		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
PHARYNGITIS		
subjects affected / exposed	2 / 474 (0.42%)	
occurrences causally related to treatment / all	0 / 2	
deaths causally related to treatment / all	0/0	
PNEUMONIA	1	
subjects affected / exposed	9 / 474 (1.90%)	
occurrences causally related to treatment / all	0 / 9	
deaths causally related to treatment / all	0 / 2	
PNEUMONIA BACTERIAL		
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
PNEUMONIA STAPHYLOCOCCAL	į į	
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0 / 1	
deaths causally related to treatment / all	0 / 0	
PNEUMONIA VIRAL	į į	
subjects affected / exposed	1 / 474 (0.21%)	
occurrences causally related to treatment / all	0/1	
deaths causally related to treatment / all	0 / 0	
SEPSIS	i i	
1 351313	1	I

subjects affected / exposed 4 / 474 (0.84%) occurrences causally related to 0 / 4	
treatment / all	
deaths causally related to treatment / all 0 / 1	
SOFT TISSUE INFECTION	
subjects affected / exposed 2 / 474 (0.42%)	
occurrences causally related to 0 / 3 treatment / all	
deaths causally related to treatment / all 0 / 0	
UPPER RESPIRATORY TRACT INFECTION	
subjects affected / exposed 1 / 474 (0.21%)	
occurrences causally related to 0 / 1 treatment / all	
deaths causally related to treatment / all 0 / 0	
URINARY TRACT INFECTION	
subjects affected / exposed 7 / 474 (1.48%)	
occurrences causally related to 0 / 9 treatment / all	
deaths causally related to treatment / all 0 / 0	
VIRAL INFECTION	
subjects affected / exposed 1 / 474 (0.21%)	
occurrences causally related to treatment / all	
deaths causally related to treatment / all 0 / 0	
WOUND INFECTION	
subjects affected / exposed 1 / 474 (0.21%)	
occurrences causally related to treatment / all	
deaths causally related to treatment / all 0 / 0	
Metabolism and nutrition disorders  DEHYDRATION	
subjects affected / exposed 1 / 474 (0.21%)	
occurrences causally related to 0 / 1 treatment / all	
deaths causally related to treatment / all 0 / 0	
DIABETES MELLITUS	
subjects affected / exposed 1 / 474 (0.21%)	
occurrences causally related to 0 / 1 treatment / all	
1	
deaths causally related to treatment / all 0 / 0	

subjects offeeted / supposed
subjects affected / exposed 1 / 474 (0.21%)
occurrences causally related to treatment / all 0 / 1
deaths causally related to treatment / all 0 / 0
HYPERGLYCAEMIA
subjects affected / exposed 1 / 474 (0.21%)
occurrences causally related to treatment / all 0 / 1
deaths causally related to treatment / all 0 / 0
HYPERKALAEMIA
subjects affected / exposed 2 / 474 (0.42%)
occurrences causally related to 1 / 2 treatment / all
deaths causally related to treatment / all 0 / 0
HYPONATRAEMIA
subjects affected / exposed 1 / 474 (0.21%)
occurrences causally related to 1 / 1 treatment / all
deaths causally related to treatment / all 0 / 0
TYPE 1 DIABETES MELLITUS
subjects affected / exposed 2 / 474 (0.42%)
occurrences causally related to 2 / 2 treatment / all
deaths causally related to treatment / all 0 / 0

Frequency threshold for reporting non-serious adverse events: 5  $\,\%$ 

	Atezolizumab	
Total subjects affected by non-serious adverse events		
subjects affected / exposed	368 / 474 (77.64%)	
Investigations		
ASPARTATE AMINOTRANSFERASE INCREASED		
subjects affected / exposed	25 / 474 (5.27%)	
occurrences (all)	27	
WEIGHT DECREASED		
subjects affected / exposed	24 / 474 (5.06%)	
occurrences (all)	24	
Nervous system disorders		

HEADACHE		
subjects affected / exposed	29 / 474 (6.12%)	
occurrences (all)	34	
Blood and lymphatic system disorders		
ANAEMIA		
subjects affected / exposed	59 / 474 (12.45%)	
occurrences (all)	68	
General disorders and administration site conditions  ASTHENIA		
subjects affected / exposed	57 / 474 (12.03%)	
occurrences (all)		
occurrences (aii)	61	
FATIGUE		
subjects affected / exposed	107 / 474 (22.57%)	
occurrences (all)	112	
OEDEMA PERIPHERAL		
subjects affected / exposed	34 / 474 (7.17%)	
occurrences (all)	34	
PYREXIA		
subjects affected / exposed	61 / 474 (12.87%)	
occurrences (all)	73	
Gastrointestinal disorders		
ABDOMINAL PAIN		
subjects affected / exposed	38 / 474 (8.02%)	
occurrences (all)	44	
,		
CONSTIPATION		
subjects affected / exposed	46 / 474 (9.70%)	
occurrences (all)	49	
DIARRHOEA		
subjects affected / exposed	73 / 474 (15.40%)	
occurrences (all)	86	
. ,		
NAUSEA		
subjects affected / exposed	68 / 474 (14.35%)	
occurrences (all)	75	
VOMITING		
subjects affected / exposed	56 / 474 (11.81%)	
occurrences (all)	61	
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Respiratory, thoracic and mediastinal disorders		
COUGH		
subjects affected / exposed		

## 20 May 2015

v2: The contraception requirements were clarified and the language in the protocol was aligned with the recommendations provided by the Clinical Trial Facilitation Group (Recommendations related to contraception and pregnancy testing in clinical trials). The inclusion criterion number 4 was clarified to include patients for whom alternative therapy (irrespective of being or not standard or curative) did not exist or was not considered appropriate by the investigator. Calculated creatinine clearance ≥30 mL/min was added to inclusion criterion number 8. The frequency of required thyroid function tests was increased to require regular testing during treatment. The prohibition against live, attenuated vaccines prior to and during treatment with MPDL3280A was extended to include a period of 90 days after discontinuation of MPDL3280A. The reporting for adverse events was extended to 90 days after last dose of study treatment or until initiation of a new anti-cancer therapy, whichever occured first. Since the investigated IMP was not yet approved for marketing, continued treatment beyond progression was only accepted for a period of two years in the individual patient. Should there be need for a further prolongation of the treatment period, additional approval should be applied for. The laboratory, biomarker and other biological samples were clarified. The Schedule of Assessments was revised to reflect the changes to the protocol. PK and ADA assessments were updated. Further clarity was provided around the evaluation of new lesions and lymph nodes according to modified RECIST. The IND number was included.

## 29 September 2015

v3: MPDL3280A was changed to the international nonproprietary name atezolizumab throughout the document.

The inclusion criterion for histologically documented solid tumors was updated to mention "for which alternative therapy

does not exist which is known to prolong survival. Advanced solid tumors for which existing alternative therapies are of no proven benefit are also eligible." Exclusion criteria were modified as follows: 1) Hematologic malignancies, NSCLC, triple-negative breast cancer, urothelial bladder cancer (urothelial [transitional cell] histology or mixed histologies with dominant transitional cell pattern), unresectable advanced or metastatic renal cell carcinoma with clear-cell histology and/or sarcomatoid carcinoma. 6) Active or untreated central nervous system (CNS) metastases as determined by computed tomography (CT) or magnetic resonance imaging (MRI) evaluation during screening and prior radiographic assessments. 9) Hormone-replacement therapy was added as an allowed approved anticancer therapy. Exclusion criteria of history of autoimmune disease (19) and active hepatitis B (24) were clarified. The exclusion criterion for known PD-L1 expression was removed. The protocol was amended to reflect the handling of Atezolizumab-Specific Adverse Events according to the new version of the investigators brochure of atezolizumab version 7. The protocol was amended to reflect an increase in sample size due to expansion of cohorts 4, 5, and 10. A clarification was added on patients with cancer of unknown primary site to be included in cohort 10. The schedule of assessment was clarified to what should be measured -14 days before day 1 cycle 1 and what could be done within 35 days before day 1 cycle 1.

19 August 2016	v4: Preliminary review of data from cohort 10 "Other solid tumors" that highlighted the difficulty of analyzing this cohort due to its high heterogeneity prompted a decision to close cohort 10 and replace it with 4 new cohorts and several new sub-cohorts in existing cohorts, to include tumors with a high medical need and a rationale for evaluation of atezolizumab. Inclusion and exclusion criteria were more clearly defined regarding histological types and subtypes accepted in each cohort as well as biomarkers mandated for accurate patient selection. New sub-cohorts were created as appropriate. Selection criteria for baseline general status became stricter. Sub-cohort definitions were clarified to make the patient population within individual sub-cohorts more homogeneous. The definition of evaluable patients was clarified. Guidance for contraception was revised and aligned with other protocols in the atezolizumab clinical development program.
19 June 2017	v5: Inclusion/exclusion criteria were clarified and adjusted based on questions raised by investigators during the conduct of the study. Rules for end of study and end of cohort were clarified. Statistical section was clarified after running the stages I and II analyses in the first cohorts to reach these stages. Safety data were updated in accordance with the most recent atezolizumab protocols and new safety information.
01 March 2018	v6: A new Appendix 8 was added to Version 6 to include the management of the adverse events as requested by the Spanish Agency of Medicines and Medical Devices (AEMPS). Related references were corrected in the protocol body.
29 October 2018	v7: Appendix 8 was updated to include the changes made to the TECENTRIQ® International Brochure versions 12 and 13.
23 October 2019	v8: Appendix 8: updated to include the changes in the Atezolizumab Investigator's Brochure version 15 (IB v15), including the guidelines for management of immune-mediated myositis and for suspected hemophagocytic lymphohistiocytosis or macrophage activation syndrome, removed description and management guidelines for systemic immune activation, updated terminology changing "immune-related" to "immune-mediated" (and wherever applicable throughout the protocol). Clarified provisions for post-trial access to atezolizumab to allow for continued treatment of patients following last patient last visit (LPLV), and regarding data collection during transition to the extension study.

Notes:

Were there any global interruptions to the trial? No

None reported