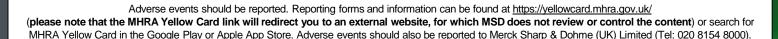
MSD Oncology

KEYTRUDA® (pembrolizumab) in combination with chemotherapy for the treatment of locally recurrent unresectable or metastatic triple-negative breast cancer (TNBC) in adults whose tumours express PD-L1 with a CPS ≥10 and who have not received prior chemotherapy for metastatic disease

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Please refer to the full KEYTRUDA Summary of Product Characteristics and Risk Minimisation Materials for patients before prescribing KEYTRUDA.



FOR UK HEALTHCARE PROFESSIONALS ONLY

Please click the following links for the KEYTRUDA SmPC and prescribing information: <u>Great Britain</u>; <u>Northern Ireland</u>. If using a downloaded version of this material, please ensure that you are accessing the most recent version of the prescribing information.

Job code: GB-PDO-02750 Date of preparation: June 2023

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Overview of **KEYTRUDA plus** chemotherapy in metastatic TNBC

KEYNOTE-355: Overview and study design

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Appendix

Overview of KEYTRUDA plus chemotherapy in metastatic TNBC



Click the links below to navigate to the section of interest

KEYTRUDA plus chemotherapy in advanced TNBC

KEYTRUDA funding and licence

Potential treatment landscape in first-line advanced TNBC





KEYTRUDA plus chemotherapy in advanced TNBC: Dual mechanisms of action



Chemotherapy targets proliferating cells^{1,2}

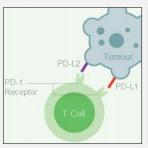
 Chemotherapy targets cells that are actively proliferating, by inhibiting cell division and promoting tumour cell killing through deregulation of DNA replication, cellular metabolism, or microtubule assembly¹

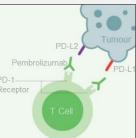


KEYTRUDA activates the antitumour immune response^{3,4}

- KEYTRUDA is a selective monoclonal antibody that blocks the PD-1 protein pathway, potentiating T-cell responses, including anti-tumour responses³
- Some tumours can evade the immune system through the PD-1 pathway. On the surface of tumour cells, the dual PD-1 ligands, PD-L1 and PD-L2, bind to the PD-1 receptors on T cells to inactivate them, allowing tumour cells to evade detection^{3,4}
- By inhibiting this process, KEYTRUDA reactivates tumour-specific cytotoxic T cells and anti-tumour immunity³







When combined with immunotherapies such as KEYTRUDA, chemotherapy may increase tumour immunogenicity and activate immune response by increasing antigen-shedding and presentation, and by stimulating T-cell infiltration¹

For more information on the mechanism of action of KEYTRUDA plus chemotherapy, click here

Please note that clicking this link will redirect you to the promotional MSD Connect website.

PD-1, programmed cell death protein-1; PD-L1, programmed death ligand-1; PD-L2, programmed death ligand-2; SmPC, Summary of Product Characteristics; TNBC, triple-negative breast cancer.

1. Leonetti A et al. Drug Resist Updat 2019;46:1–12; 2. American Cancer Society. Chemotherapy side effects. Available at: <a href="https://www.cancer.org/treatment/treatments-and-side-effects/treatment-types/chemotherapy/chemotherapy/chemotherapy-side-effects/treatment-types/chemotherapy/chemotherapy-side-effects/treatments-and-side-effects/treatment-types/chemotherapy/chemotherapy-side-effects/treatments-product-information/keytruda-epar-product-information en.pdf. Accessed June 2023;
4. Harvey R et al. Clin Pharm Therapeutics 2014;96:214–223.





NICE guidelines recommends KEYTRUDA plus chemotherapy (paclitaxel or nab-paclitaxel) as an option for treating triple-negative, locally recurrent unresectable or metastatic breast cancer in adults who have not received prior chemotherapy for metastatic disease.¹

It is only recommended if:1



The tumours express PD-L1 CPS ≥10 and IC staining <1%



The company provides KEYTRUDA according to the commercial arrangement



KEYTRUDA, in combination with chemotherapy, is indicated for the treatment of locally recurrent unresectable or metastatic TNBC in adults whose tumours express PD-L1 with a CPS ≥10 and who have not received prior chemotherapy for metastatic disease²

Click here for more information on CPS testing of PD-L1 expression in TNBC

1L, First-line; CPS, combined positive score; EMA, European Medicines Agency; IC, immune cell; MHRA, Medicines and Healthcare products Regulatory Agency; NICE, National Institute for Health and Care Excellence; PD-L1, programmed death ligand-1; TNBC, triple-negative breast cancer.

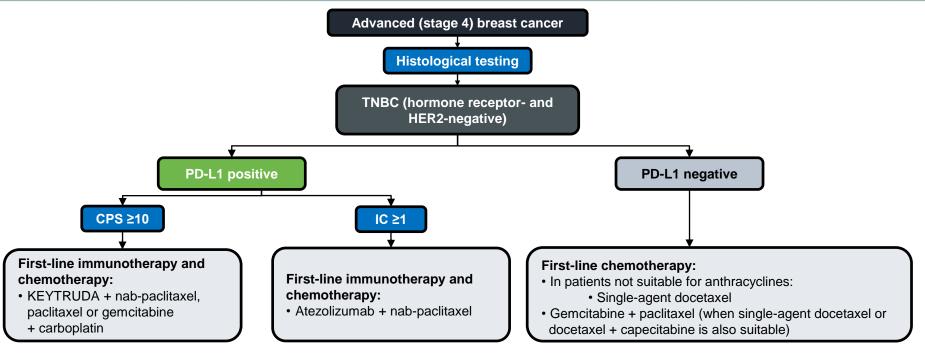
1. NICE Pembrolizumab plus chemotherapy for untreated, triple-negative, locally recurrent unresectable or metastatic breast cancer. Available at: https://www.nice.org.uk/guidance/gid-ta10417/documents/final-appraisal-determination document. Accessed June 2023; 2. KEYTRUDA (pembrolizumab) SmPC. Available at: https://www.medicines.org.uk/emc/product/2498/smpc. Accessed June 2023;





Current treatment landscape in first-line advanced TNBC1-3





Scottish Medicines Consortium (SMC): positive decision on KEYTRUDA (pembrolizumab) in combination with chemotherapy as an option in patients with locally recurrent unresectable or metastatic TNBC that express PD-L1 with a CPS≥10.^{a,4}

^aOnly paclitaxel and nab-paclitaxel are currently reimbursed by SMC.

CPS, combined positive score; HER2, human epidermal growth factor receptor 2; IC, tumour-infiltrating immune cells; PD-L1, programmed death ligand-1; TNBC, triple-negative breast cancer.

3. NICE Guidelines (TA639). Available at https://www.nice.org.uk/guidance/ta639. Accessed June 2023; 4. SMC: KEYTRUDA guidance. Available at https://www.nice.org.uk/guidance/ta639. Accessed June 2023; 4. SMC: KEYTRUDA guidance. Available at https://www.scottishmedicines.org.uk/medicines-advice/pembrolizumab-keytruda-tnbc full-smc2460/. Accessed June 2023.



^{1.} NICE Guidelines (TA801). Available at: https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (CG81). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at https://www.nice.org.uk/guidance/cg81. Accessed June 2023; 2. NICE Guidelines (TA820). Available at <a href="https://www.nice.org

KEYNOTE-355: Overview and study design



Click the links below to navigate to the section of interest

KEYNOTE-355: Study design

KEYNOTE-355: Baseline characteristics in the ITT population







Randomised, double-blind, placebo-controlled Phase 3 study

Key eligibility criteria

- Age ≥18 years
- Central determination of TNBC and PD-L1 expression^a
- Previously untreated locally recurrent inoperable or metastatic TNBC
- De novo metastasis or completion of treatment with curative intent ≥6 months prior to first disease recurrence
- ECOG PS 0 or 1
- Life expectancy ≥12 weeks from randomisation
- · No systemic steroids
- No CNS metastasis or active autoimmune disease

R 2:1 (N=847) Placebo^c + chemotherapy^d Revious Revious Acceptable toxicity Placebo^c + chemotherapy^d

Stratification factors

- Chemotherapy on study (taxane or gemcitabine/carboplatin)
- PD-L1 tumour expression (CPS ≥1 or CPS <1)
- Prior treatment with same class chemotherapy in the neoadjuvant or adjuvant setting (yes or no)

- Dual primary endpoints: OS in patients with PD-L1-positive tumours^f (CPS ≥10 or CPS ≥1) and in the ITT population: PFS^e in patients with PD-L1-positive tumours^f (CPS ≥10 or CPS ≥1) and in the ITT population
- Secondary endpoints: ORR, DOR, DCR, safety in all treated patients

^aBased on a newly obtained tumour sample from a locally recurrent inoperable or metastatic site (an archival tumour sample was used with permission from the study sponsor if a new tumour biopsy was not obtainable); ^bChemotherapy dosing regimens: nab-paclitaxel 100 mg/m² IV on Days 1, 8 and 15 every 28 days; paclitaxel 90 mg/m² IV on Days 1, 8 and 15 every 28 days; gemcitabine 1000 mg/m²/carboplatin AUC 2 on Days 1 and 8 every 21 days; ^cNormal saline; ^dTreatment may be continued until confirmation of progressive disease; ^eBased on RECIST v1.1 assessed by a central imaging vendor; ^fPD-L1 assessed at a central laboratory using PD-L1 IHC 22C3 pharmDx assay and measured using the CPS (number of PD-L1-positive tumour cells, lymphocytes and macrophages divided by total number of tumours cell x100).

AUC, area under the curve; CNS, central nervous system; CPS, combined positive score; DCR, disease control rate; DOR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; ESMO, European Society of Medical Oncology; IHC, immunohistochemistry; ITT, intention to treat; IV, intravenous; ORR, objective response rate; OS, overall survival; PD-L1, programmed death ligand-1; PFS, progression-free survival; Q3W, every 3 weeks; R, randomisation; RECIST v1.1, Response Evaluation Criteria in Solid Tumors Version 1.1; TNBC, triple-negative breast cancer.





KEYNOTE-355: Baseline characteristics in the ITT population



Characteristic, n (%) ^a	KEYTRUDA + chemotherapy (n=566)	Placebo + chemotherapy (n=281)
Median age (range), years	53 (25–85)	53 (22–77)
ECOG PS 1	232 (41.0)	108 (38.4)
PD-L1 CPS ≥1	425 (75.1)	211 (75.1)
PD-L1 CPS ≥10	220 (38.9)	103 (36.7)
Chemotherapy on study		
Taxane	255 (45.1)	127 (45.2)
Gemcitabine/carboplatin	311 (54.9)	154 (54.8)
Prior same-class chemotherapy		
Yes	124 (21.9)	62 (22.1)
No	442 (78.1)	219 (77.9)
Disease-free interval		
De novo metastasis	168 (29.7)	84 (29.9)
<12 months	125 (22.1)	50 (17.8)
≥12 months	270 (47.7)	147 (52.3)



These data comprise the full ITT population. Please note that the licensed indication for KEYTRUDA is in locally recurrent unresectable or metastatic TNBC in adults whose tumours express **PD-L1 CPS ≥10** and who have not received prior chemotherapy for metastatic disease

Data cut off: 15 June 2021.

aUnless otherwise stated.

Table adapted from Cortes J et al. NEJM 2022 (plus supplementary materials).

CPS, combined positive score; ECOG PS, Eastern Cooperative Oncology Group performance status; ITT, intention to treat; PD-L1, programmed death ligand-1; TNBC, triple-negative breast cancer.

Cortes J et al. NEJM 2022;387:217–226 (plus supplementary materials).



KEYNOTE-355: Results



The click the links below to navigate to the section of interest

KEYNOTE-355: OS in the PD-L1 CPS ≥10 population

KEYNOTE-355: PFS in the PD-L1 CPS ≥10 population

KEYNOTE-355: Response rates in the PD-L1 CPS ≥10 population

KEYNOTE-355: Summary of TRAEs in all treated patients

KEYNOTE-355: TRAEs with incidence ≥20% in either arm

KEYNOTE-355: Immune-mediated AEs with incidence ≥10% in either arm

KEYTRUDA dosing

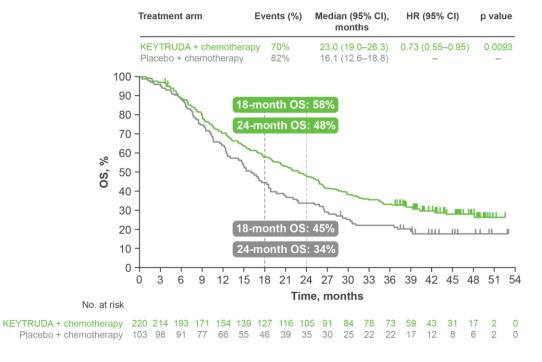
PD-L1 testing in metastatic TNBC





KEYNOTE-355: OS in the PD-L1 CPS ≥10 population¹⁻³





KEYTRUDA plus chemotherapy is the first anti-PD-1 combination treatment to show a statistically significant survival benefit vs placebo plus chemotherapy in patients with TNBC (PD-L1 CPS ≥10)

 Median OS was 23.0 months (95% CI: 19.0–26.3) with KEYTRUDA plus chemotherapy (n=220) vs 16.1 months (95% CI: 12.6–18.8) with placebo plus chemotherapy (n=103)

The forest plot for OS in key subgroups is shown in the appendix. Click $\underline{\text{here}}$ to view.

Data cut off: 15 June 2021.

Figure adapted from KEYTRUDA (pembrolizumab) SmPC.

CI, confidence interval; CPS, combined positive score; HR, hazard ratio; OS, overall survival; PD-1, programmed cell death protein-1; PD-L1, programmed cell death ligand-1; SmPC, Summary of Product Characteristics; TNBC, triplenegative breast cancer.

1. Rugo HS et al. Presented at the European Society for Medical Oncology congress, September 16–21 2021; 2. KEYTRUDA (pembrolizumab) SmPC. Available at: https://www.medicines.org.uk/emc/product/2498/smpc/
Accessed June 2023; 3. Cortes J et al. NEJM 2022;387:217–226 (plus supplementary materials).





KEYNOTE-355: PFS in the PD-L1 CPS ≥10 population 1-3



Treatme	ent arm			Eve	nts ((%)	Me		n (95 onth	% Cl s	l),	HF	R (95	% C	I)	р	/alu	е
KEYTR Placebo					66% 79%				7.6–1 5.3–	11. 3) 7.5)		0.66	(0.5	0 – 0.	.88)	0.	0018 -	3
PFS, %	90 - 80 - 70 - 60 - 50 - 40 - 30 - 20 - 10 - 0		-mon					24	27	30	33	36	39	42	45	48	51	
No. at risk							Т	ime	, mo	nths	5							
KEYTRUDA + chemotherapy Placebo + chemotherapy		173 12 80 4	_	63 18	52 15	44 12	42 11	38 11	36 10	34 8	32 8	27 6	19 4	13 4	6	0	0	0

Median PFS was 9.7 months (95% CI: 7.6–11.3) with KEYTRUDA plus paclitaxel, nab-paclitaxel, or gemcitabine/carboplatin and 5.6 months (95% CI: 5.3–7.5) with placebo plus chemotherapy

- 34% reduction in risk of disease progression with KEYTRUDA plus chemotherapy (n=220) vs placebo plus chemotherapy (n=103) (HR=0.66; 95% CI: 0.49–0.86; p=0.0012)
- The number of patients with an event was 144 (65%) with KEYTRUDA plus chemotherapy vs 81 (79%) with placebo plus chemotherapy

The forest plot for PFS in key subgroups is shown in the appendix. Click here to view.

Data cut off: 15 June 2021.

Figure adapted from KEYTRUDA (pembrolizumab) SmPC.

CI, confidence interval; CPS, combined positive score; HR, hazard ratio; PD-L1, programmed death ligand-1; PFS, progression-free survival; SmPC, Summary of Product Characteristics; TNBC, triple-negative breast cancer.

1. Rugo HS et al. Presented at the European Society for Medical Oncology congress, September 16–21 2021; 2. KEYTRUDA (pembrolizumab) SmPC. Available at: https://www.medicines.org.uk/emc/product/2498/smpc/.

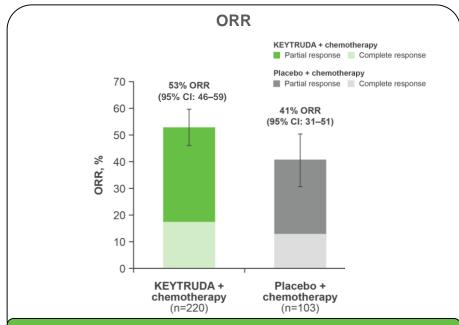
Accessed June 2023; 3. Cortes J et al. NEJM 2022;387:217–226 (plus supplementary materials).



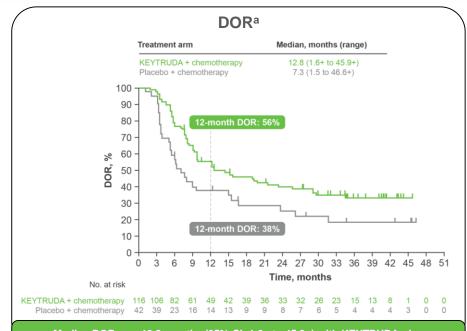


KEYNOTE-355: Response rates in the PD-L1 CPS ≥10 population^{1–3}









Median DOR was 12.8 months (95% CI: 1.6+ to 45.9+) with KEYTRUDA plus chemotherapy vs 7.3 months (95% CI: 1.5-46.6+) with placebo plus chemotherapy

Data cut off: 15 June 2021.

a'+' indicates there is no progressive disease by the time of last disease assessment.

Figures adapted from Cortes J et al. NEJM 2022 (plus supplementary materials), KEYTRUDA (pembrolizumab) SmPC and Rugo HS et al. Presented at ESMO 2021.

CI, confidence interval; CPS, combined positive score; CR, complete response; DOR, duration of response; ORR, objective response rate; PD-L1, programmed cell death ligand-1; PR, partial response; SmPC. Summary of Product Characteristics.



^{1.} Cortes J et al. NEJM 2022;387:217–226 (plus supplementary materials); 2. KEYTRUDA (pembrolizumab) SmPC. Available at: https://www.emcmedicines.com/en-gb/northernireland/medicine?id=ce680467-8438-4e60-ab4f-dfab6767ccbe&type=smpc.
Accessed June 2023; 3. Rugo HS et al. Presented at the European Society for Medical Oncology congress, September 16–21 2021.

Prescribing information: GB, NI

KEYNOTE-355: Summary of TRAEs in all treated patients^{1–3}



TRAEs, %	KEYTRUDA + chemotherapy (n=562)	Placebo + chemotherapy (n=281)
Any grade	96.3	95.0
Grade 3–5	68.1	66.9
Led to death	0.4 ^a	0.0
Led to discontinuation	18.3	11.0

These data comprise the full ITT population. Please note that the licensed indication for KEYTRUDA is in locally recurrent unresectable or metastatic TNBC in adults whose tumours express **PD-L1 CPS ≥10** and who have not received prior chemotherapy for metastatic disease.

<u>Click here</u> to access the irAE slide deck for adverse event management of KEYTRUDA plus chemotherapy combinations. Further information on the safety of KEYTRUDA plus chemotherapy combinations can be found in the GB SmPC <u>here</u> or NI SmPC <u>here</u>.

Data cut off: 15 June 2021.

Figure adapted from Cortes J et al. NEJM 2022, KEYTRUDA (pembrolizumab) SmPC and Rugo H et al. ESMO 2021.

^aOne patient died from acute kidney injury and one died patient from pneumonia.

CPS, combined positive score; irAE, immune-related adverse event; ITT, intention to treat; PD-L1, programmed death ligand-1; SmPC, Summary of Product Characteristics; TNBC, triple-negative breast cancer; TRAE, treatment-related adverse event.



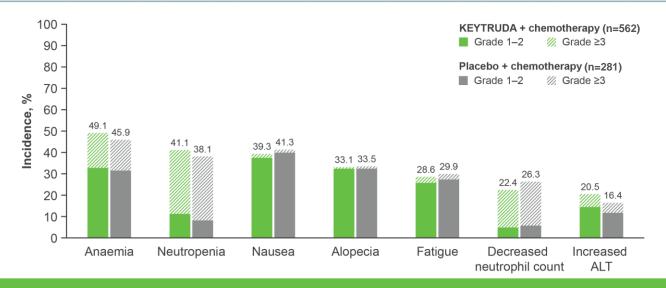
^{1.} Cortes J et al. NEJM 2022;387:217-226; 2. KEYTRUDA (pembrolizumab) SmPC. Available at: https://www.medicines.org.uk/emc/product/2498/smpc/. Accessed June 2023;

^{3.} Rugo H et al. Presented at ESMO Virtual Congress, 16–21 September 2021.



KEYNOTE-355: TRAEs with incidence ≥20% in either arm





These data comprise the full ITT population. Please note that the licensed indication for KEYTRUDA is in locally recurrent unresectable or metastatic TNBC in adults whose tumours express PD-L1 CPS ≥10 and who have not received prior chemotherapy for metastatic disease.

Click here to access the irAE slide deck for adverse event management of KEYTRUDA plus chemotherapy combinations.

Further information on the safety of KEYTRUDA plus chemotherapy combinations can be found in the GB SmPC here or NI SmPC here.

Data cut off: 15 June 2021.

Figure adapted from Cortes J et al. NEJM 2022.

ALT, alanine transaminase; CPS, combined positive score; irAE, immune-related adverse event; ITT, intention to treat; PD-L1, programmed death ligand-1; SmPC, Summary of Product Characteristics; TNBC, triple-negative breast cancer; TRAE, treatment-related adverse event.

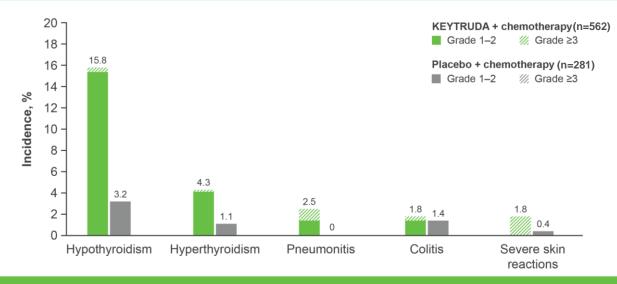
Cortes J et al. NEJM 2022:387:217–226





KEYNOTE-355: Immune-mediated AEs with incidence ≥10% in either arma





These data comprise the full ITT population. Please note that the licensed indication for KEYTRUDA is in locally recurrent unresectable or metastatic TNBC in adults whose tumours express PD-L1 CPS ≥10 and who have not received prior chemotherapy for metastatic disease.

Click here to access the irAE slide deck for adverse event management of KEYTRUDA plus chemotherapy combinations.

Further information on the safety of KEYTRUDA plus chemotherapy combinations can be found in the GB SmPC here or NI SmPC here.

Data cut off: 15 June 2021.

Figure adapted from Cortes J et al. NEJM 2022.

[®]Dased on a list of terms prespecified by the sponsor and included regardless of attribution to study treatment or immune relatedness by the investigator; related terms included.

AE, adverse event; CPS, combined positive score; irAE, immune-related adverse event; ITT, intention to treat; PD-L1, programmed death ligand-1; SmPC, Summary of Product Characteristics; TNBC, triple-negative breast cancer;

TRAE, treatment-related adverse event.









Over 30 minutes



- Patients should be treated with KEYTRUDA until disease progression or unacceptable toxicity
- Atypical responses (i.e. an initial transient increase in tumour size or small new lesions within the first few months followed by tumour shrinkage) have been observed. It is recommended to continue treatment for clinically stable patients with initial evidence of disease progression until disease progression is confirmed
- No dose reductions of KEYTRUDA are recommended. KEYTRUDA should be withheld or discontinued to manage AEs as described within the SmPC
- When administering KEYTRUDA in combination with intravenous chemotherapy, KEYTRUDA should be administered first

For further information on KEYTRUDA dosing, please refer to the SmPC: Great Britain, Northern Ireland





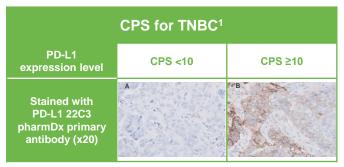
PD-L1 testing in metastatic TNBC



Combined positive score: A snapshot of the tumour microenvironment

- CPS is used to evaluate PD-L1 expression in tumour cells and certain immune cells in TNBC¹
- This helps to identify patients the most appropriate treatment for patients¹
- In KEYNOTE-355, PD-L1 expression was assessed by CPS using the PD-L1 22C3 IHC pharmDx assay²
- The PD-L1 22C3 IHC pharmDx assay, scored using the CPS algorithm, is used to define eligibility for treatment with KEYTRUDA plus chemotherapy¹

Calculating CPS¹ #PD-L1 staining cells CPS = (tumour cells, lymphocytes, macrophages) Total #viable tumour cells Although the result of the calculation can exceed 100, the maximum score is defined as CPS 100



TNBC specimen stained with PD-L1 22C3 pharmDx primary antibody exhibiting a CPS of 0 (A) and a CPS of 60 (B). Both images were taken at 20x magnification.

For further information on CPS testing, click here



KEYNOTE-355: Summary





KEYNOTE-355: Summary of results in the PD-L1 CPS ≥10 population



- KEYTRUDA plus chemotherapy is the first anti-PD-1 combination treatment to show a statistically significant survival benefit vs placebo plus chemotherapy in patients with TNBC with a PD-L1 CPS ≥10
 - Median OS was 23.0 months (95% CI: 19.0–26.3 months) with KEYTRUDA plus chemotherapy (n=155/220) vs 16.1 months (95% CI: 12.6–18.8 months) with placebo plus chemotherapy (n=84/103) (HR=0.73; 95% CI: 0.55–0.95; p=0.0093)¹
- Superior PFS was observed with KEYTRUDA plus chemotherapy vs placebo plus chemotherapy in patients with PD-L1 CPS ≥10
 - 34% reduction in risk of disease progression with KEYTRUDA plus chemotherapy vs placebo plus chemotherapy (HR=0.66; 95% CI:0.50–0.88]; p=0.0018)¹
- 38% of patients with advanced TNBC had a PD-L1 CPS ≥10 in KEYNOTE-355¹
- Grade ≥3 TRAEs occurred in 68.1% of patients in the KEYTRUDA plus chemotherapy arm and 66.9% of patients in the placebo plus chemotherapy arm.¹ Click here for an overview of TRAEs
 - Of those treated, patients in the KEYTRUDA plus chemotherapy arm had a higher proportion of discontinuations of trial drugs and immune-mediated AEs compared with the placebo plus chemotherapy arm (18.3% vs 11.0% and 26.5% vs 6.4%, respectively)^{1,2}
 - Treatment-related deaths were 0.4% in the KEYTRUDA plus chemotherapy arm and 0.0% in the placebo plus chemotherapy arm¹



AE, adverse event; CI, confidence interval; CPS, combined positive score; HR, hazard ratio; IHC, immunohistochemistry; OS, overall survival; PD-1, programmed cell death protein-1; PD-L1, programmed death ligand-1; PFS, progression-free survival; TNBC, triple-negative breast cancer; TRAE, treatment-related adverse event.

Appendix



Click the links below to navigate to the section of interest

KEYNOTE-355: PFS in key subgroups of the PD-L1 CPS ≥10 population

KEYNOTE-355: OS in key subgroups of the PD-L1 CPS ≥10 population



KEYNOTE-355: OS in key subgroups of the PD-L1 CPS ≥10 population



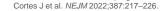
No formal statistical analysis was performed for the subgroup analyses and no clinical conclusions can be drawn

		Median OS (mo)			
Subgroup	N	KEYTRUDA + chemotherapy	Placebo + chemotherap	у .	HR 95% CI
Overall	323	23.0	16.1	⊢	0.73 (0.55-0.95)
Age, years					,
<65	257	21.8	16.8	⊢	0.78 (0.58-1.05)
≥65	66	28.3	12.6	⊢	0.51 (0.28-0.92)
Geographic region					,
North America/Europe/ANZ	212	23.5	15.2	⊢	0.72 (0.52-1.00)
Asia	56	26.7	17.4	⊢	0.44 (0.23-0.84)
Rest of World	55	18.0	22.0	—	1.07 (0.57-1.98)
ECOG PS					,
0	196	26.4	19.8	⊢	0.70 (0.49-1.00)
1	127	17.7	10.6	⊢	0.70 (0.47–1.05)
On-study chemotherapy				·	
Nab-paclitaxel	99	29.8	18.4	├	0.63 (0.39-1.03)
Paclitaxel	44	28.6	8.5	→	0.34 (0.16-0.72)
Gemcitabine/carboplatin	180	19.1	16.2	<u> </u>	0.88 (0.61–1.25)
Prior same-class chemotheraphy				·	(,
Yes	65	23.5	14.9	—	0.60 (0.32-1.09)
No	258	22.8	16.9	<u> </u>	0.74 (0.55-1.00)
Prior neoadjuvant/adjuvant chemotherapy				·	
Yes	193	20.3	17.1	⊢	0.86 (0.61-1.22)
No	130	28.3	13.0	⊢	0.53 (0.34-0.80)
Disease-free interval					,
De novo metastasis	104	26.4	12.5	⊢	0.54 (0.34-0.86)
<12 months	65	17.1	19.7	+	1.44 (0.73–2.82)
≥12 months	153	24.9	17.1	⊢	0.65 (0.45-0.96)
Number of metastatic sites					,
<3	184	32.1	18.8	⊢	0.63 (0.43-0.91)
≥3	138	13.2	10.5	<u> </u>	0.75 (0.51-1.10)
				0 1 2	3
			4		9
			•	Favours Favours	
			KF	YTRUDA + placebo +	
				emotherapy chemotherapy	

Data cut off: 15 June 2021.

Figure adapted from Cortes J et al. NEJM 2022 (plus supplementary materials).

ANZ, Australia and New Zealand; CI, confidence interval; CPS, combined positive score; ECOG PS, Eastern Cooperative Oncology Group performance status; HR, hazard ratio; mo, months; OS, overall survival; PD-L1, programmed death ligand-1.





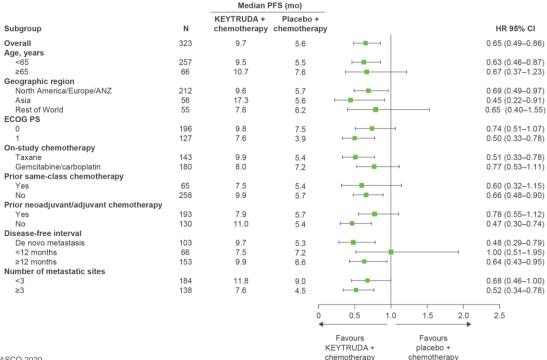




KEYNOTE-355: PFS in key subgroups of the PD-L1 CPS ≥10 population



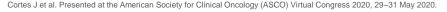
No formal statistical analysis was performed for the subgroup analyses and no clinical conclusions can be drawn



Data cut off: 11 December 2019.

Figure adapted from Cortes J et al. ASCO 2020.

ANZ, Australian and New Zealand; ASCO, American Society of Clinical Oncology; CI, confidence interval; CPS, combined positive score; ECOG PS, Eastern Cooperative Oncology Group performance status; HR, hazard ratio; mo, months; PD-L1, programmed death ligand-1; PFS, progression-free survival.





Prescribing information: GB, NI



