

Resolution

of the Federal Joint Committee on an Amendment of the Pharmaceuticals Directive:

August 2022, the Federal Joint Countries (G-BA) resolved to amend t usis Directive (AM-RL) in the version dated 18 December 2008 / 22 January 20 usis Directive (AM-RL) in the version dated 18 December 2008 / 22 January 20 usis date BAnz. No. 49a of 31 March 2009) as Jaco amended by the publication of th solution of D Month YYYY (Federal Gazette, BAnz Ar DD.MM.YYYY BX), as follows: 1. Annex XII shall be amended in aphabetical order to include the active ingredient Sotorasib as follows: Annex XII – Benefit Assessment of Medicinal Products wit

Sotorasib

Resolution of: 4 August 2022 Entry into force on: 4 August 2022 Federal Gazette, BAnz AT DD. MM YYYY Bx

Therapeutic indication (according to the marketing authorisation of 6 January 202

LUMYKRAS as monotherapy is indicated for the treatment of adults with advanced non-small cell lung cancer (NSCLC) with KRAS G12C mutation and who have progressed after at least one prior line of systemic therapy.

Therapeutic indication of the resolution (resolution of 4 August 202

See therapeutic indication according to marketing authorisat

- 1. Additional benefit of the medicinal product in relation to the appropriate comparator therapy
- a) Adults with advanced non-small cell lung concer (NSCI .C) with KRAS p.G12C mutation after first-line therapy with a PD-1/PD-L1 antibody as monotherapy

Appropriate comparator therapy?

 Cisplatin in combination with a third-generation cytostatic drug (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed (except in the case of predominantly squamous histology))

or

Carboplatin in combination with a third-generation cytostatic drug (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed (except in the case of predominantly squamous histology)) cf. Annex VI to Section K of the Pharmaceuticals Directive

Carboolatin in combination with nab-paclitaxel

Monotherapy with gemcitabine or vinorelbine (only for patients with ECOG performance status 2 as an alternative to platinum-based combination treatment)

Extent and probability of the additional benefit of Sotorasib compared to the appropriate comparator therapy:

An additional benefit is not proven.

b) Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation after first-line therapy with cytotoxic chemotherapy

Appropriate comparator therapy:

- Docetaxel (only for patients with PD-L1 negative tumours)
- or
- or
 Pemetrexed (only for patients with PD-L1 negative tumours and except in cases of predominantly squamous histology)

 or
 Nivolumab

 or
 Pembrolizumab (only for patients with PD-L1 expressing tumours (PD-L1 expression ≥ 1% of tumour cells))

 or
 Atezolizumab

 or
 Atezolizumab

or

Docetaxel in combination with nintedanib (only for patients with PD-L1 negative tumours and adenocarcinoma histology)

Extent and probability of the additional benefit of sotorasib compared to the active ingredient of the appropriate comparator therapy:

An additional benefit is not proven

c) Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation after first-line therapy with an anti-PD-1/PD-L1 in combination with platinum-containing chemotherapy or after sequential therapy with a PD-1/PD-L1 antibody and platinumcontaining chemotherapy

Appropriate comparator therapy:

Patient idual therapy, taking into account previous therapy and histology with selection of afatinib, pemetrexed, erlotinib, docetaxel, docetaxel in combination with remucirumab, docetaxel in combination with nintedanib and vinorelbine.

Extent and probability of the additional benefit of Sotorasib compared to the active Or gredient of the appropriate comparator therapy:

An additional benefit is not proven.

Study results according to endpoints:¹

a) <u>Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation</u> <u>after first-line therapy with an anti-PD-1/PD-L1 as monotherapy</u>

No adequate data are available to allow an assessment of the additional benefit.

Summary of results for relevant clinical endpoints

-	•				
Endpoint category	Direction of effect/	Summary			
	risk of bias				
Mortality	n.a.	There are no assessable data.			
Morbidity	n.a.	There are no assessable data.			
Health-related quality	n.a.	There are no assessable data,			
of life		5.00			
Side effects	n.a.	There are no assessable data.			
Explanations:					
↑: statistically significant and relevant positive effect with low/unclear reliability of data					
\downarrow : statistically significant and relevant negative effect with low unclear reliability of data					
个个: statistically significant and relevant positive effect with high @iability of data					
$\downarrow \downarrow$: statistically significant and relevant negative effect with high reliability of data					
↔: no statistically significant or relevant difference					
arnothing: There are no usable data for the benefit assessment. $arnothing$					

- n.a.: not assessable
- b) Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation after first-line therapy with cytotoxic chemotherapy

No adequate data are available to allow an assessment of the additional benefit.

Summary of results for relevant clinical endpoints

	Endpoint category	Direction of effect/ risk of bias	Summary		
	Mortality	n.a.	There are no assessable data.		
~	Morbidity	n.a.	There are no assessable data.		
2°	Health-related quality	n.a.	There are no assessable data.		
20	Side effects	There are no assessable data.			
×	 Explanations: 				

 \varnothing : There are no usable data for the benefit assessment.

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¹ Data from the dossier assessment of the Institute for Quality and Efficiency in Health Care (IQWiG) (A22-28) unless otherwise indicated.

c) Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation after first-line therapy with an anti-PD-1/PD-L1 in combination with platinum-containing chemotherapy or after sequential therapy with an anti-PD-1/PD-L1 and platinums containing chemotherapy

No adequate data are available to allow an assessment of the additional benefit for many of results for relevant clinical order

Summary of results for relevant clinical endpoints

Endpoint category	Direction of effect/	Summary		
	risk of bias			
Mortality	n.a.	There are no assessable data.		
Morbidity	n.a.	There are no assessable data.		
Health-related quality	n.a.	There are no assessable data.		
of life				
Side effects	n.a.	There are no assessable data.		
Explanations:				
↑: statistically significant and relevant positive effect with low unclear reliability of data				
\downarrow : statistically significant and relevant negative effect with low/unclear reliability of data				
个个: statistically significant and relevant positive effect with high reliability of data				
$\downarrow \downarrow$: statistically significant and relevant negative effect with high reliability of data				
↔: no statistically significant or relevant difference				
\varnothing : There are no usable dat	a for the benefit assessme	nt.		

n.a.: not assessable

- 2. Number of patients or demarcation of patient groups eligible for treatment
- Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation a) after first line therapy with a PD-1/PD-L1 antibody as monotherapy

 - Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation after first-line therapy with cytotoxic chemotherapy

60 - 130 patients

70 patients

c) Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation after first-line therapy with a PD-1/PD-L1 antibody in combination with platinumcontaining chemotherapy or after sequential therapy with a PD-1/PD-L1 antibody and platinum-containing chemotherapy

420 - 910 patients

3. Requirements for a quality-assured application

The requirements in the product information are to be taken into account. The European Medicines Agency (EMA) provides the contents of the product information (summary of product characteristics, SmPC) for Lumykras (active ingredient: sotorasib) at the following publicly accessible link (last access: 20 May 2022):

https://www.ema.europa.eu/en/documents/product-information/lumykras-eparinformation en.pdf

Treatment with sotorasib should only be initiated and monitored by specialists in internal medicine, haematology and oncology who are experienced in the treatment of patients with non-small cell lung cancer, as well as specialists in internal medicine and pulmonology or specialists in pulmonary medicine and other doctors from specialist groups participating in the Oncology Agreement.

This medicinal product was authorised under "special conditions". This means that further evidence of the benefit of the medicinal product is anticipated. The European Medicines Agency will evaluate new information on this medicinal product at a minimum once per year and update the product information where necessary

The presence of a KRAS G12C mutation must be confirmed by a validated test prior to start of therapy. 4. Treatment costs Annual treatment costs:

non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation a) Adults with advanced after first-line therapy with aPD-1/PD-L1 antibody as monotherapy

Annual treatment costs/ patient				
€ 121,016.60				
Cisplatin in combination with a third-generation cytostatic drug (vinorelbine or gemcitabine or decitabine docetaxel or paclitaxel or pemetrexed)				
Cisplatin + vinorelbine				
€ 2,015.79 - € 2,494.46				
€ 5,015.72 - € 6,261.22				
€ 7,031.51 - € 8,755.68				
Additionally required SHI costs € 328.58 - € 421.62				
Cisplatin € 2,015.79 - € 2,494.46				

Designation of the therapy	Annual treatment costs/ patient			
Gemcitabine	€ 8,218.72			
Total	€ 10,234.51 - € 10,713.18			
Additionally required SHI costs	€ 328.58 - € 421.62			
Cisplatin + docetaxel				
Cisplatin	€ 2,015.79			
Docetaxel	€ 13,742.17			
Total	€ 15,757.96			
Additionally required SHI costs	€ 328.58 - € 421.62			
Cisplatin + paclitaxel	estile			
Cisplatin	€ 2,284.10			
Paclitaxel	€ 2,015.79 € 13,742.17 € 15,757.96 € 328.58 - € 421.62 € 2,284.10 € 17,485.96 € 2,015.79 € 17,485.96 € 10,770 $(20, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1$			
Total	€ 19,770 .05			
Additionally required SHI costs	€ 537 20 - € 630.24			
Cisplatin + pemetrexed	in or other			
Cisplatin	€ 2,015.79			
Pemetrexed	€37,075.40			
Total	€ 39,091.19			
Additionally required SHI costs	€ 457.25 - € 598.79			
Carboplatin in combination with a third-generation cytostatic drug (vinorelbine or gemcitabine or docetaxel or paclitaxel or pemetrexed)				
Carboplatin + vinorelbine				
Carboplatin	€ 8,074.47			
Vinorelbine Total	€ 5,015.72 - € 6,261.22			
Total	€ 13,090.19 - € 14,335.69			
Carboplatin + gemcitabine				
Carboplatin	€ 8,074.47			
Gemcitabine	€ 8,218.72			
o Total	€ 16,293.19			
Carboplatin + docetaxel				
Carboplatin	€ 8,074.47			
Docetaxel	€ 13,742.17			
Total	€ 21,816.64			
Carboplatin + paclitaxel	·			
Carboplatin	€ 8,074.47			

Designation of the therapy	Annual treatment costs/ patient			
Paclitaxel	€ 17,485.96			
Total	€ 25,560.43			
Additionally required SHI costs	€ 208.62			
Carboplatin + pemetrexed	No.11			
Carboplatin	€ 8,074.47			
Pemetrexed	€ 37,075.40			
Total	€ 45,149.87			
Additionally required SHI costs	€ 128.67 - € 177.17			
Carboplatin in combination with nab-paclitaxel				
Carboplatin € 8,074.47				
nab-paclitaxel	€ 39,113.46			
Total	€ 47,187,93			
Monotherapy with gemcitabine or vinorelbine ²				
Gemcitabine	€ Ø166 25			
Vinorelbine	●€7,509.17 - € 9,373.83			

Costs after deduction of statutory rebates (LAUER-TAXE®) as last revised: 15 July 2022)

b) Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation after first-line therapy with cytotoxic chemotherapy

	Designation of the therapy	Annual treatment costs/ patient			
	Medicinal product to be assessed:				
	Sotorasib	€ 121,016.60			
	Appropriate comparator therapy:				
	Docetaxer (only for patients with PD-L1 negative tumours)				
00	Docetaxel	€ 13,742.17			
×.	Remetrexed ³				
<i>Q</i> //	Pemetrexed	€ 37,075.40			
	Additionally required SHI costs	€ 128.67 - € 177.17			
	Nivolumab				
	nivolumab	€ 76,217.74			
	Pembrolizumab				

² only for patients with ECOG performance status 2 as an alternative to platinum-based combination treatment

³ only for patients with PD-L1 negative tumours and except in the case of predominantly squamous cell histology

Designation of the therapy	Annual treatment costs/ patient
Pembrolizumab	€ 99,671.38
Atezolizumab	
Atezolizumab	€ 68,139.62
Docetaxel in combination with nintedanib	4
Docetaxel	€ 13,742.17
Nintedanib	€ 32,010.08
Total	€ 45,752.26

Costs after deduction of statutory rebates (LAUER-TAXE®) as last revised: 15 July 2022

c) Adults with advanced non-small cell lung cancer (NSGLC) with KRAS p.G12C mutation after first-line therapy with aPD-1/PD-L1 antibody in combination with platinumcontaining chemotherapy or after sequential therapy with aPD-1/PD-L1 antibody and platinum-containing chemotherapy

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	Designation of the therapy	Annual treatment costs/ patient			
	Medicinal product to be assessed:				
	Sotorasib	€ 121,016.60			
I	Appropriate comparator therapy:				
	Patient-individual therapy, taking into account previous therapy and histology with selection of afatinib, pemetrexed, erlotinib, docetaxel, docetaxel in combination with ramucirumab, docetaxel in combination with nintedanib and vinorelbine				
	Afatinib				
	Afatinib	€ 30,935.18			
	Pemetrexed				
	Pemetrexed	€ 37,075.40			
c	Additionally required SHI costs	€ 128.67 - € 177.17			
20	Erlotinib				
	Erlotinib	€ 9,851.84			
×	Docetaxel in combination with ramucirumab				
	Docetaxel	€ 13,742.17			
	Ramucirumab	€ 56,850.15			
	Total	€ 70,592.32			
	Docetaxel in combination with nintedanib				

⁴ only for patients with PD-L1 negative tumours and adenocarcinoma histology

Designation of the therapy	Annual treatment costs/ patient		
Docetaxel	€ 13,742.17		
Nintedanib	€ 32,010.08		
Total	€ 45,752.26		
Vinorelbine	10-11.		
Vinorelbine	€ 7,509.17 - € 9,373.83		

Vinorelbine		€7,509.17 - €9,373.83			
Vinorelbine€ 7,509.17 - € 9,373.83Costs after deduction of statutory rebates (LAUER-TAXE®) as last revised: 15 July 2022)Other SHI services:Designation ofType of serviceCosts/NumberCosts/					
Designation of the therapy	Type of service	Costs/ unit	Numbe r/ cycle	Number / patient/ year	Costs/ patient/ year
Appropriate comp	parator therapy:				
Atezolizumab	Surcharge for the preparation of a parenteral solution containing monoclonal antibodies	ainor	1	17.4	€ 1,235.40
Carboplatin	Surcharge for production of a parenteral preparation containing cytostatic agents		1	17.4	€ 1,409.40
Cisplatin	Surcharge for production of a parenteral preparation containing cytostatic agents		1	17.4	€ 1,409.40
Docetaxel (monotherapy or combination therapy)	Surcharge for production of a parenteral preparation containing cytostatic agents		1	17.4	€ 1,409.40
Gemcitabine (combination therapy)	Surcharge for production of a parenteral preparation containing cytostatic agents		2	34.8	€ 2,818.80
Gemcitabine (monotherapy)	Surcharge for production of a parenteral preparation containing cytostatic agents		3	39	€ 3,159.00
nab-paclitaxel	Surcharge for production of a parenteral preparation containing cytostatic agents		3	52.2	€ 4,228.20
Nivolumab	Surcharge for the preparation of a parenteral	€ 71	1	26.1	€ 1,853.10

Designation of the therapy	Type of service	Costs/ unit	Numbe r/ cycle	Number / patient/ year	Costs/ patient/ year
	solution containing monoclonal antibodies				wreith
Paclitaxel	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	1	17.4	€ 1,409.40
Pembrolizumab	Surcharge for the preparation of a parenteral solution containing monoclonal antibodies	€71	1	61 8.7 17.4	€ 617.70 - € 1,235.40
Pemetrexed	Surcharge for production of a parenteral preparation containing cytostatic agents	€ 81	Jilcala	17.4	€ 1,409.40
Ramucirumab	Surcharge for the preparation of a parenteral solution containing monoclonal antibodies	ON FARI	1	17.4	€ 1,235.40
Vinorelbine (combination therapy)	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	2	34.8	€ 2,818.80
Vinorelbine (monotherapy)	Surcharge for production of a parenteral preparation containing cytostatic agents	€81	1	52.1	€ 4,220.10

II. Entry into force 1. The resolution will enter into force on the day of its publication on the website of the CONTROL OF THE PRINCIPAL OF THE PRINCIPA

The statements made for each of the patient groups

- b) Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation after first-line therapy with cytotoxic chemotherapy
- c) Adults with advanced non-small cell lung cancer (NSCLC) with KRAS p.G12C mutation after first-line therapy with aPD-1/PD-L1 antibody in combination with platinum-containing chemotherapy or after sequential therapy with aPD-1/PD-L1 antibody and platinum-containing chemotherapy

in numbers 1, 2, 3 and 4 are limited until 1 July 2023.

Resolution has been notified on a rive transformed the solution of the solutio The justification to this resolution will be published on the website of the G-BA at www.g-