

Ivacaftor/ tezacaftor/ elexacaftor (new therapeutic indication: cystic fibrosis, combination regimen with ivacaftor in subjects aged 12 years and older (heterozygous for F508del and other or unknown mutations))

Resolution of: 19 November 2021
Entry into force on: 19 November 2021
Federal Gazette, BAnz AT 10 01 2022 B3

Valid until: unlimited

New therapeutic indication (according to the marketing authorisation of 26 April 2021):

Kaftrio is indicated in a combination regimen with ivacaftor 150 mg tablets for the treatment of cystic fibrosis (CF) in patients aged 12 years and older who have at least one F508del mutation in the cystic fibrosis transmembrane conductance regulator (CFTR) gene.

Therapeutic indication of the resolution (resolution of 19 November 2021)

Kaftrio is indicated in a combination regimen with ivacaftor 150 mg tablets for the treatment of cystic fibrosis in subjects aged 12 years and older who are heterozygous for the F508del mutation in the CFTR gene and carry a mutation on the second allele, which is not a minimal function, no gating (including R117H) and no residual function mutation, or the mutation on the second allele is unknown (other mutations).

1. Additional benefit of the medicinal product in relation to the appropriate comparator therapy

Subjects aged 12 years and older with cystic fibrosis, who are heterozygous for the F508del mutation in the CFTR gene and show a mutation on the second allele, which is not a minimal function, no gating (including R117H) and no residual function mutation, or the mutation on the second allele is unknown (other mutations)

Appropriate comparator therapy:

Best supportive care

Best Supportive Care (BSC) is defined as the therapy that ensures the best possible, patient-individual optimised, supportive treatment to alleviate symptoms and improve the quality of life (in particular antibiotics for pulmonary infections, mucolytics, pancreatic enzymes for pancreatic insufficiency, physiotherapy (as defined in the Remedies Directive), making full use of all possible dietary measures).

Extent and probability of the additional benefit of ivacaftor/ tezacaftor/ elexacaftor in combination with ivacaftor compared to the appropriate comparator therapy:

An additional benefit is not proven.

Study results according to endpoints:¹

Subjects aged 12 years and older with cystic fibrosis, who are heterozygous for the F508del mutation in the CFTR gene and show a mutation on the second allele, which is not a minimal function, no gating (including R117H) and no residual function mutation, or the mutation on the second allele is unknown (other mutations)

No 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	∅	No data available.
Morbidity	∅	No data available.
Health-related quality of life	∅	No data available.
Side effects	∅	No data available.
Explanations: ↑: statistically significant and relevant positive effect with low/unclear reliability of data ↓: statistically significant and relevant negative effect with low/unclear reliability of data ↑↑: statistically significant and relevant positive effect with high reliability of data ↓↓: statistically significant and relevant negative effect with high reliability of data ↔: no statistically significant or relevant difference ∅: There are no usable data for the benefit assessment. n.a.: not assessable		

2. Number of patients or demarcation of patient groups eligible for treatment

Subjects aged 12 years and older with cystic fibrosis, who are heterozygous for the F508del mutation in the CFTR gene and show a mutation on the second allele, which is not a minimal function, no gating (including R117H) and no residual function mutation, or the mutation on the second allele is unknown (other mutations)

approx. 310 patients

¹ Data from the dossier assessment of the Institute for Quality and Efficiency in Health Care (IQWiG) (A21-74) unless otherwise indicated.

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 Kaftrio (active ingredient: ivacaftor/ tezacaftor/ elexacaftor) at the following publicly accessible link (last access: 11 October 2021):

https://www.ema.europa.eu/en/documents/product-information/kaftrio-epar-product-information_en.pdf

Treatment with ivacaftor/ tezacaftor/ elexacaftor should only be initiated and monitored by doctors experienced in treating adolescents and adult patients with cystic fibrosis.

4. Treatment costs

Annual treatment costs:

Subjects aged 12 years and older with cystic fibrosis, who are heterozygous for the F508del mutation in the CFTR gene and show a mutation on the second allele, which is not a minimal function, no gating (including R117H) and no residual function mutation, or the mutation on the second allele is unknown (other mutations)

Designation of the therapy	Annual treatment costs/ patient
Medicinal product to be assessed:	
Ivacaftor/ tezacaftor/ elexacaftor	€ 158,139.51
+ ivacaftor	€ 82,912.62
Total:	€ 241,052.13
Best supportive care	Different from patient to patient
Appropriate comparator therapy:	
Best supportive care	Different from patient to patient

Costs after deduction of statutory rebates (LAUER-TAXE® as last revised: 1 November 2021)

Costs for additionally required SHI services: not applicable