Zolbetuximab (Vyloy®) with chemotherapy for the first-line treatment of

locally advanced unresectable or metastatic HER2-negative gastric or gastro-oesophageal junction (GEJ) adenocarcinoma

General information [1]

Drug description

The active substance of Vyloy[®] is zolbetuximab, an antineoplastic agent. Zolbetuximab is a chimeric (mouse/human) IgG1 antibody directed against the tight junction molecule CLDN18.2, a tissuespecific cell surface molecule that is expressed in normal gastric tissue as well as in many human cancers.

Indication

Zolbetuximab (Vyloy[®]), in combination with fluoropyrimidine- and platinum-containing chemotherapy, is indicated for the first-line treatment of adult patients with locally advanced unresectable or metastatic HER2-negative gastric or GEJ adenocarcinoma whose tumours are Claudin (CLDN) 18.2 positive.

Incidence

- In Austria, in 2022, a total of 1,173 persons were newly diagnosed with gastric cancer. The age-standardised¹ incidence rate was 17.5/100,000 in men and 8.4/100,000 in women [2]
- In an assessment of 286 gastric cancer/GEJ tissue samples (North America, n=100; Asia, n=100; Europe, n=98), 30% (n = 86/286) were CLDN18.2^{high} (moderate-to-strong CLDN18.2 membrane staining in ≥75% of tumour cells). CLDN18.2^{high} prevalence ranged from 24% (n = 22/92) in Asian samples to 34% (n = 33/97) in American samples [3].

Current treatment [4]

Onkopedia provides the following information regarding the first-line treatment of stage IV tumours that are Claudin 18.2 positive:

- In 2023, data from the multinational phase III Spotlight study were presented. These show that in patients with advanced irresectable gastric cancer and claudin18.2 expression in ≥ 75% of tumour cells, zolbetuximab, a chimeric monoclonal IgG1 antibody directed against claudin18.2, in combination with FOLFOX chemotherapy prolongs overall survival (median 18.23 vs. 15.54 months, HR 0.750, p = 0.0053). The main side effects of zolbetuximab are nausea and vomiting, especially during the first application.
- The results of the Spotlight study are primarily confirmed by the multinational phase III GLOW study, in which the chemotherapy doublet was used as a control therapy or combination partner for zolbetuximab.

Regulatory status								
EMA [1]	FDA							
Approval status for this indication : On 25 July 2024, the CHMP adopted a positive opinion, recommending the granting of a marketing authorisation for Vyloy [®] for the following indication:	Approval status for this indication: not approved On 31 May 2024, the manufacturer of zolbetuximab (Astellas Pharma Inc.)							
Vyloy [®] , in combination with fluoropyrimidine- and platinum-containing chemotherapy, is indicated for the first-line treatment of adult patients with locally advanced unresectable or metastatic HER2-negative gastric or GEJ adenocarcinoma whose tumours are CLDN 18.2 positive.	announced that the FDA had acknowledged the company's resubmission of the Biologics License Application for zolbetuximab for the first-line treatment of adults with locally advanced unresectable or metastatic HER2-negative gastric or GEJ adenocarcinoma whose tumours are CLDN18.2 positive [5].							
Other indications: none	Other indications: none							
✓ Orphan designation								
Manufacturer								
The manufacturer of Vyloy® is Astellas Pharma Inc.								
Costs								

¹ European Standard Population 2013.

Currently, there is no cost information available.

Warnings and precautions

Currently, there is no EMA EPAR available for Vyloy®.

				Study	characte	eristics: SPOTLIGHT tr	rial [6, 7]							
Trial name	n	Intervention (I)	Comp	parator (C)	PE	Median follow-up for PFS	Characteristics	Biomar	ker	Funding	Publication(s)			
SPOTLIGHT NCT03504397	565 (1:1)	zolbetuximab (800 mg/m ² loading dose followed by 600 mg/m ² every 3 weeks) + mFOLFOX6 (every 2 weeks)	zolbetuximab (800 mg/m² loading dose followed by 600 mg/m² every 3 weeks) + mFOLFOX6placebo + mFOLFOX6PFS by IRC12.94 months vs. 12.65 monthsongoi ran placebo double		ongoing ² , global, randomised, placebo-controlled, - double-blind, phase 3 trial		A	Astellas Pharma Global Development, Inc	SPOTLIGHT trial [6]					
	l	nclusion criteria ³				Exclusion criteri	a		Pat	tient characteristics (n=283 vs. 28	at baseline 2)			
 Female sub pregnant ar Not a WOCB guidar least n oxalipl of all c Female screen month Female screen month 	eligible to participate if she is not ist one of the following conditions app OR igrees to follow the contraceptive ughout the treatment period and for a oths after the final administration of d six months after the final administrat idy drugs. ts must agree not to breastfeed starting throughout the study period, and for the final study drug administration. t must not donate ova starting at throughout the study period, and for the final administration of oxaliplatin a er the final administration of all other	olies: at ion ng at six nine ind	 Prior systemic chemotherapy for locally advanced unresectable or metastatic gastric or GEJ adenocarcinoma. Previous radiotherapy for locally advanced unresectable or metastatic gastric or GEJ adenocarcinoma ≤ 14 days prior to randomisation and has not recovered from any related toxicity. Previous systemic immunosuppressive therapy, including systemic corticosteroids within 14 days prior to randomisation. Patient has received other investigational agents or devices within 28 days prior to randomisation. Prior severe allergic reaction or intolerance to known ingredients of zolbetuximab or other monoclonal antibodies, including humanised or chimeric antibodies. Known immediate or delayed hypersensitivity, intolerance or contraindication to any component of study treatment. Prior severe allergic reaction or intolerance to any component of 						 Age: 62.0 (51.0-69.0) vs. 60.0 (50.0-69.0) years Male sex: 62% vs. 62% Region Asia: 31% vs. 32% Non-Asia: 69% vs. 68% Ethnicity Hispanic or Latino: 13% vs. 13% Not Hispanic or Latino: 80% vs. 76% Missing: 8% vs. 11% Organs with metastases 0-2: 77% vs. 78% ≥3: 23% vs. 22% Location of metastases: Lymph node: 36% vs. 39% Peritoneum: 33% vs. 27% 					
 A sexually a of child-bea during the final stu Male subject 	ctive ma aring po reatmendy drug	ale subject with a female partner(s) wh tential must agree to use contraceptic nt period and for at least 6 months aff administration.	io is on :er	 Known dihydropyrimidine dehydrogenase deficiency. Complete gastric outlet syndrome or a partial gastric outlet syndrome with persistent/recurrent vomiting. Significant gastric bleeding and/or untreated gastric ulcers that would 						 Lung: 13% vs. 12% Bone: 10% vs. 8% Abdominal cavity: 7% vs. 6% Ovary: 6% vs. 7% 				
 Male subject must agree not to donate sperm starting at screening and throughout the study period, and for 6 months after the final study drug administration. Male subject must agree not to donate sperm starting at screening and throughout the study period, and for 6 months after the final study drug administration. Male subject from participation. Known history of a positive test for HIV infection or known active hepatitis B or C infection. 								 Yes: 30% vs. 29% No: 70% vs. 71% 						

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² The SPOTLIGHT trial is currently ongoing; estimated study completion date is 03/2025. ³ For detailed in-and exclusion criteria, please see trial protocol.

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 Male subject with a pregnant or breastfeeding partner(s) must agree to remain abstinent or use a condom for the duration of the pregnancy or time partner is breastfeeding throughout the study period and for 6 months after the final study drug administration. Histologically confirmed diagnosis of Gastric or GEJ adenocarcinoma. Radiologically confirmed locally advanced unresectable or metastatic disease within 28 days prior to randomisation. Radiologically evaluable disease (measurable and/or nonmeasurable disease according to RECIST 1.1), per local assessment, ≤ 28 days prior to randomisation. Tumor expresses CLDN18.2 in ≥ 75% of tumour cells demonstrating moderate to strong membranous staining as determined by central immunohistochemistry testing. HER2-Negative tumour as determined by local or central testing on a gastric or GEJ tumour specimen. ECOG performance status 0 to 1. Predicted life expectancy ≥ 12 weeks. Patient must meet all of the following criteria based on the centrally or locally analysed laboratory tests collected within 14 days prior to randomisation: Haemoglobin ≥ 9 g/dL. ANC ≥ 1.5 x 10⁹/L Platelets ≥ 100 x 10⁹/L Albumin ≥ 2.5 g/dL Total bilirubin ≤ 1.5 x ULN without liver metastases AST and ALT ≤ 2.5 x ULN without liver metastases Estimated creatinine clearance ≥ 30 mL/min Prothrombin time/ INR and partial thromboplastin 	 For patients who are negative for HBs Ag, but hepatitis B core positive, an HB DNA test will be performed and if positive, the be excluded. Active autoimmune disease that has required systemic treatment the past 3 months prior to randomisation. Active infection requiring systemic therapy that has not compresolved within 7 days prior to randomisation. Significant cardiovascular disease, including any of the followit. Congestive heart failure, myocardial infarction, unstable a coronary angioplasty, stenting, coronary artery bypass gracerebrovascular accident or hypertensive crisis within 6 m to randomisation. History of clinically significant ventricular arrhythmias. QTc interval > 450 msec for male subjects; QTc interval > for female subjects. History or family history of congenital long QT syndrome Cardiac arrhythmias requiring anti-arrhythmic medication History of central nervous system metastases and/or carcinon meningitis from gastric/GEJ cancer. Known peripheral sensory neuropathy > Grade 1 unless the a deep tendon reflexes is the sole neurological abnormality. Major surgical procedure ≤ 28 days prior to randomisation. Patient has psychiatric illness or social situations that would p study compliance. Another malignancy for which treatment is required. Any concurrent disease, infection or comorbid condition that with the ability of the subject to participate in the study, which subject at undue risk or complicates the interpretation of data 	 Primary site: Stomach: 77% vs. 74% GEJ: 23% vs. 26% Lauren classification: Diffuse: 29% vs. 41% Intestinal: 25% vs. 23% Mixed: 11% vs. 5% Unknown: 17% vs. 14% Other: 18% vs. 15% Missing: <1% vs. 1% ECOG PS score: 0: 44% vs. 41% 1: 54% vs. 58% 2: <1% vs. 0 Missing: 1% vs. 1% Measurable disease: Yes: 75% vs. 75% No: 25% vs. 25% Safety (I vs. C) 9% vs. >99% 				
Efficacy	(I vs. C)		Safety (I vs. C)			
Median PFS: 10.61 months (95% CI, 8.90–12.48) vs. 8.67 months (8.2	1–10.28); HR 0.75 (95% Cl, 0.60–0.94); p=0.0066	All TEAE: >99)% vs. >99%			
Estimated 12-month PFS: 49% (95%, CI 42–55) vs. 35% (28–42)		All TEAEs gra	l de ≥3 : 87% vs. 78%			
24-month PFS : 24% (95% Cl, 17–32) vs. 15% (9–22)	Serious TEAE	s: 45% vs. 44%				
Patients who had died by the interim analysis: 53% vs. 63%	TEAEs leadin	a to discontinuation of any study drug: 43% vs.				
HR for death: 0.75 (95% Cl, 0.60–0.94; p=0.0053)		38%	5 5 5			
Median OS ⁴ : 18.23 months (95% CI, 16.43–22.90) vs. 15.54 months (13.47–16.53)	TRAEs leadin	g to discontinuation of any study drug: 38% vs.			
Estimated 12-month OS: 68% (95% CI, 61–73) vs. 60% (54–66)		29%				

⁴ The median follow-up for OS was 22.14 months in the zolbetuximab group vs. 20.93 months in the placebo group.



24-month OS: 39% (32–46) vs. 28% (22–35)	TEAEs leading to discontinuation of zolbetuximab or						
ORR (in the full analysis set, CR or PR): 48% (95% Cl 42–54) vs. 48%, 42–54	placebo: 20% vs. 11%						
Median DoR: 9.00 months (95% Cl, 6.87–10.25) vs. 8.05 months (6.47–10.81)	TRAES leading to discontinuation of zolbetuximab or						
ORR in patients with measurable disease: 61% (95% CI 54–67) vs. 62% (55–69)	placebo: 14% vs. 2%						
Median DoR: 8.51 months (95%, CI 6.80–10.25) vs. 8.11 months (6.47–11.37)	TEAEs leading to death: 8% vs. 9%						
ORR by the investigator: 53% (95% CI 47–59) vs. 44%)	TRAEs leading to death: 2% vs. 1%						
Median DoR: 9.00 months (95% Cl, 7.49–10.25) vs. 6.80 months (6.21–8.31)							
Subsequent anticancer therapies: 48% vs. 53%							
Patient-reported outcomes							

According to the authors, patient-reported outcome data will be disclosed in a subsequent publication.

	ESMO-MCBS version 1.1 [8]																
Scale	Int.	Form	MG ST		MG				HR (95% CI)	S	core	calculation	PM	Toxicity	QoL	AJ	FM
Original	NC	2A	≤12 mont	hs	OS: +2.69 months			(0.75 (0.60-0.94)	HR≤0.65 A	AND g	ain ≥2.0-<3months	3	-	NA	-	3
Adapted	NC	2A	≤12 mont	hs	OS: +2.69	9 mont	ths	(0.75 (0.60-0.94)	HR≥0.70	O OR	gain <1.5 months	1	-	NA	-	1
						R	Risk of	bias ((RCT) [9]								
Adequate gene	eratior	of rando	misation sequence	Adequate a conceal	allocation alment	Blinding Selective outcome reporting unlikely Other aspects which ir			n increase	ncrease the risk of bias			of bias				
yes yes y low risk low risk low				yes Iow risk		unclear ⁵ unclear risk h					yes ⁶ high risk			clear			
	Study characteristics: GLOW trial [10, 11]																
Trial name		n	In	tervention (l)	Co	Comparator (C)		PE	Median follow-	up for PFS	C	Characteristics	Biomarke	· Fundi	ng	Public	ation(s)
GLOW trial NCT03653507		507 (1:1)	zolbetuximab 1) followed l subseque	zolbetuximab 800 mg/m ² (cycle 1, day 1) followed by 600 mg/m ² (day 1 of subsequent cycles) + CAPOX ⁷			+od XC	PFS	12.62 month 12.09 mo	s versus nths ongoing ⁸ , global, randomised, double- blind, phase 3 study		_ Astel _ Pharm		as a Inc	GLO\ [1	N trial (0]	
Inclusion criteria ⁹						Exclusion criteria						Patient characteristics at baseline, ITT population (n=254 vs. n=253)					
 ♦ Written informed consent ♦ ≥18 years of age ♦ Female patients: Not pregnant Not a WOCBP 						 Prior systemic chemotherapy for local advanced unresectable or metastatic gastric/GEJ adenocarcinoma. Previous radiotherapy for locally advanced unresectable or metastatic gastric/GEJ adenocarcinoma ≤14 days before randomisation and has not recovered from any related toxicity. 					 Median age (range): 61.0 (22–82) vs. 59.0 (21–83) years Male sex: 62.6% vs. 61.7% Region: Asia: 61.8% vs. 62.5% Non-Asia: 38.2% vs. 37.5% 						

⁵ Trial is currently ongoing.

⁹ For detailed in-and exclusion criteria, please see trial protocol.

 ⁶ The funder of the study was involved in the study design, data collection, data analysis, data interpretation, and writing of the report.
 ⁷ CAPOX=oral capecitabine, 1,000 mg/m², twice daily on days 1–14 of each cycle; intravenous infusion of oxaliplatin, 130 mg/m², day 1 of each cycle) for eight 21-day cycles.

⁸ The GLOW trial is currently ongoing; estimated study completion date is 03/2025.

 OR WOCBP who agrees to follow the contraceptive guidance as defined in Protocol throughout the treatment period and for 9 months after the final administration of all other study drugs. not to breastfeed starting at screening and throughout the study period and for 6 months after the final study treatment administration must not donate ova starting at screening and throughout the study period and for 9 months after the final administration of oxaliplatin and for 6 months after the final administration of oxaliplatin and for 6 months after the final administration of oxaliplatin and for 6 months after the final administration of oxaliplatin and for 6 months after the final administration of all other study drugs. Male patient with female partner(s) of childbearing potential: must agree to use contraception as detailed in Protocol during the treatment period and for 6 months after the final study treatment administration. must not donate sperm during the treatment period and for 6 months after the final study treatment administration. must agree to remain abstinent or use a condom for the duration of the pregnancy or time partner is breastfeeding throughout the study period and for 6 months after the final study treatment administration. Histologically confirmed locally advanced unresectable or metastatic disease within 28 days before randomisation. Radiologically evaluable disease according to RECIST version 1.1, tumour expresses CLDN18.2 in ≥75% of tumour cells, demonstrating moderate-to-strong CLDN18 membranous staining as determined by central immunohistochemistry testing. HER2-negative tumour ECOG PS score 0 or 1. Predicted life expectancy ≥12 weeks Haemoglobin ≥9 g dl-1. ANC ≥1.5 × 10⁹/l Albumin ≥2.5 g dl-1 Total bilirubin ≤1.5 × UL	 Previous treatment with herbal medications or other treatments that have known anti-tumour activity within 28 days before randomisation. Previous systemic immunosuppressive therapy, including systemic corticosteroids, within 14 days before randomisation. Previous other investigational agents or devices within 28 days before randomisation. Prior severe allergic reaction or intolerance to known ingredients of zolbetuximab or other monoclonal antibodies, including humanised or chimeric antibodies. Patient has known immediate or delayed hypersensitivity, intolerance or contraindication to any component of study treatment. Prior severe allergic reaction or intolerance to any component of CAPOX. Known dihydropyrimidine dehydrogenase deficiency. Patient has a complete gastric outlet syndrome or a partial gastric outlet syndrome with persistent/recurrent vomiting. Per investigator judgment, patient has significant gastric bleeding and/or untreated gastric ulcers that exclude the patient from participation. Known history of a positive test HIV infection or known active hepatitis B or hepatitis C infection. For patients who are negative for HBs Ag but HB core antibody (HBc Ab) positive, an HB DNA test will be performed, and, if positive, the patient will be excluded. Positive HCV serology but negative HCV RNA test are eligible. Active infection requiring systemic therapy that has not completely resolved within 7 days before randomisation. Significant cardiovascular disease, including any of the following. Congestive heart failure, myocardial infarction, unstable angina, coronary angioplasty, coronary stenting, coronary artery bypass graft, cerebrovascular accident or hypertensive crisis within 6 months before randomisation. History of family history of congenital long QT syndrome. Cardiac arzhythymias re	 Organs with metastases: 0 0-2: 74.4% vs. 74.3% ≥ 3: 25.6% vs. 25.7% Prior gastrectomy: Yes: 29.5% vs. 29.6% No: 70.5% vs. 70.4% Primary site: Stomach: 86.2% vs. 82.6% GEJ: 13.8% vs. 17.4% Lauren classification: Diffuse: 34.4% vs. 39.5% Intestinal: 14.2% vs. 16.2% Mixed: 7.9% vs. 8.3% Unknown: 30.0% vs. 25.3% Other: 13.4% vs. 10.7% Missing: n=1 vs. 0 ECOG PS score: 0: 42.7% vs. 43.2% 1: 57.3% vs. 56.8% Missing: n=1 vs. n=3 Measurable disease: Yes: 76.8% vs. 81.0% No: 23.2% vs. 19.0%
• ANC $\geq 1.5 \times 10^9/I$ • Plotolete $\geq 100 \times 10^9/I$	 History of clinically significant ventricular arrhythmias. OTc interval > 450 mc for male patients: OTc interval > 470 mc for female 	
• Albumin >25 a dl-1	 or merval >450 ms for male patients, QTC interval >470 ms for remaie natients 	
 Total bilirubin ≤1.5 × ULN 	 History or family history of congenital long OT syndrome. 	
• AST and ALT $\leq 2.5 \times$ ULN without liver metastases	 Cardiac arrhythmias requiring anti-arrhythmic medications. 	
Stimated creatinine clearance \geq 30 ml min-1	 History of CNS metastases and/or carcinomatous meningitis from 	
 Prothrombin time/international normalised ratio and partial 	gastric/GEJ cancer.	
thromboplastin time ≤1.5× ULN (except for patients receiving anti-	 Patient has known peripheral sensory neuropathy grade >1 unless the 	
coagulation therapy).	absence of deep tendon reflexes is the sole neurological abnormality.	
5	♦ Patient has had a major surgical procedure ≤ 28 days before randomisation.	

 Patient without complete recovery from a major surgical procedure ≤14 days before randomisation. Psychiatric illness or social situations that would preclude study compliance, per investigator judgment. Another malignancy for which treatment is required. Any concurrent disease, infection or comorbid condition that interferes with the ability of the patient to participate in the study, which places the patient at undue risk or complicates the interpretation of data 														
			Efficacy	(I vs. C)					Safety (I vs. C),	safety a	analysis set	(n=254	↓vs. n=2	249)
Data cutoff 7 October 2022, median follow-up 12.62 vs. 12.09 months for PFS: and 17.71 vs. 18.43 months for OS: Ai Median PFS: 8.21 months vs. 6.80 months; HR 0.687 (95% Cl, 0.544–0.866); p= 0.0007 Gr Estimated 12-month PFS rates: 35% vs. 19% See Estimated 24-month PFS rates: 14% vs. 7% Te Median OS: 14.39 months vs. 12.16 months; HR 0.771 (95% Cl, 0.615–0.965); p=0.0118 Te Estimated 24-month OS rates: 58% vs. 51% vs Estimated 24-month OS rates: 29% vs. 17% Te Subsequent anticancer therapies administered: 46.5% vs. 55.3% PI ORR in the ITT population by IRC: 42.5% (95% Cl, 36.36–48.85) vs. 40.3% (95% Cl, 34.22–46.64) PI DOR: 6.14 months (95% Cl, 5.03–8.08) vs. 6.08 months (95% Cl, 46.58–60.99) vs. 48.8% (95% Cl, 41.76–55.84); CR: 3.1% vs. 1.5%; PR: 50.8% vs. 47.3% Te								All-grade TEAEs: 98. Grade ≥3 TEAEs: 72. Serious TEAEs: 47.2% TEAEs leading to dis 25.3% TRAEs leading to dis vs. 15.7% TEAEs leading to dis placebo: 20.1% vs. 14 TRAEs leading to dis placebo: 7.1% vs. 4.4 TEAEs leading to des TRAEs leading to des	8% vs. 9 8% vs. 49. continu continu f.5% continu f.5% continu % ath: 10. ath: 2.4	8.0% 9.9% aation of an uation of an uation of zo uation of zo 5% vs. 12.9% % vs. 2.8%	y study y study Ibetuxir Ibetuxii	drug: 3 ⁻ drug: 2 ⁻ nab or nab or	1.1% vs. 1.7%	
					Patie	nt-rep	orted outcome	25						
According to t	he aut	hors, patient-r	reported outcomes will be reporte	d in a future p	ublicatio	on.								
					ESMO	-MCB	S version 1.1 [8	8]						
Scale	Int.	Form	MG ST	MG			HR (95% CI)		Score calculation	PM	Toxicity	QoL	AJ	FM
Original	NC	2A	>12 months ≤24 months	OS: + 2.23 m	nonths	HR 0.7	771 (0.615–0.965)	HR≤0.70	AND gain ≥1.5-<3months	2	-	NA	-	2
Adapted	NC	2A	>12 months ≤24 months	OS: + 2.23 m	nonths	HR 0.7	771 (0.615–0.965)	HR>0.70 -	0.75 AND gain ≥1.5 months	1	-	NA	-	1
					Ris	s <mark>k of</mark> k	oias (RCT) [9]							
Adequate generation of randomisation sequence			Adequate allocation conce	alment	Blind	Blinding Selective of reporting		come likely	Other aspects which increase the risk of bias	e	Risk of bias			
yes yes Yes unclear ¹⁰ low risk low risk unclear risk						yes ¹¹ high risk			unclear					

 ¹⁰ The GLOW trial is currently ongoing.
 ¹¹ Industry-funded.

	Ongoing trials [12]									
NCT number/trial name	Description	Estimated study completion date								
NCT03653507 / GLOW	Please see above.	03/2025								
NCT03504397 / SPOTLIGHT	Please see above.	03/2025								
	Available assessments									
In February 2022, NIHR published a Health Technology Briefing "Zolbetuximab for previously untreated advanced gastric or gastro-oesophageal junction adenocarcinoma "[13]										
No assessments were identified via NICE (project)	No assessments were identified via NICE (project in development), CDA-AMC (reimbursement review in development), G-BA and ICER.									
	Other aspects and conclusions									
 In July 2024, the CHMP adopted a positive opir chemotherapy for the first-line treatment of adul positive. This indication has not been approved SPOTLIGHT trial 	ion , recommending the granting of a marketing authorisation for Vyloy® in combination with fluorop patients with locally advanced unresectable or metastatic HER2-negative gastric or GEJ adenocarcinc by the FDA.	pyrimidine- and platinum-containing oma whose tumours are CLDN 18.2								
 SPOTLIGHT (NCT03504397) is an ongoin HER2-negative, untreated, locally advan according to RECIST version 1.1; an ECO The primary endpoint is PFS, which is as group. Results of patient-reported outcomes an The original and adapted ESMO-MCBS Due to the ongoing status of the trial, th 	 SPOTLIGHT (NCT03504397) is an ongoing, randomised, placebo-controlled, double-blind, phase 3 trial assessing zolbetuximab plus mFOLFOX6 in patients with CLDN18.2-positive, HER2-negative, untreated, locally advanced unresectable or metastatic gastric or GEJ adenocarcinoma. Eligible patients were ≥ 18 years old with radiologically evaluable disease according to RECIST version 1.1; an ECOG PS score of 0 or 1, and adequate organ function. The primary endpoint is PFS, which is assessed by IRC. Median PFS was 10.61 months (95% CI, 8.90–12.48) in the zolbetuximab group vs. 8.67 months (8.21–10.28) in the placebo group. Results of patient-reported outcomes are currently not available. The original and adapted ESMO-MCBS were applied, resulting in a final adjusted magnitude of clinical benefit of 3 and 1, respectively. Due to the ongoing status of the trial, the risk of bias was considered unclear. However, it is increased by the sponsor's involvement throughout the study. 									
 GLOW (ITAL) GLOW (NCT03653507) is an ongoing, d advanced unresectable or metastatic ga had an ECOG PS score of 0 or 1 and ade The primary endpoint was PFS; median 0.866); p= 0.0007. Results of patient-reported outcomes at The original and adapted ESMO-MCBS Due to the ongoing status of the trial, th 	ouble-blind, phase 3 study evaluating zolbetuximab plus CAPOX as first-line treatment for CLDN18.2 stric or GEJ adenocarcinoma. Eligible patients were ≥18 years old with radiologically evaluable disease quate organ function. PFS was 8.21 months in the zolbetuximab plus CAPOX group vs. 6.80 months in the placebo plus CAPO e currently not available . were applied, resulting in a final adjusted magnitude of clinical benefit of 2 and 1 , respectively. e risk of bias was considered unclear . However, it is increased by the industry-funded background of	-positive, HER2-negative, locally according to RECIST version 1.1. Patients OX group, HR was 0.687 (95% CI, 0.544– of the trial.								
 For the assessed indication, besides SPOTLIGHT a 	nd GLOW, no further ongoing phase 3 trials were identified via ClinicalTrials.gov.									
 Final phase 3 data and patient-reported outco unresectable or metastatic HER2-negative gastric has to be considered that the prevalence of CLI 	 For the assessed indication, besides SPOTLIGHT and GLOW, no further ongoing phase 3 trials were identified via ClinicalTrials.gov. Final phase 3 data and patient-reported outcome data are required to determine the role of zolbetuximab with chemotherapy for the first-line therapy in patients with locally advanced unresectable or metastatic HER2-negative gastric or GEJ adenocarcinoma whose tumours are Claudin (CLDN) 18.2 positive. When interpreting the results of the SPOTLIGHT and GLOW trials, it has to be considered that the prevalence of CLDN18.2 positivity was 38.4% across both trials. 									

First published: 08/2024

Abbreviations: AE=adverse event, AJ=adjustment, ALT=alanine aminotransferase, ANC=absolute neutrophil count, AST=aspartate aminotransferase C=comparator, CAPOX=capecitabine and oxaliplatin, CDA-AMC=Canada's Drug Agency, CHMP=Committee for Medicinal Products for Human Use, CI=confidence interval, CLDN=Claudin, CNS= central nervous system, DNA=deoxyribonucleic acid, DoR=duration of response, ECOG PS=Eastern Cooperative Oncology Group Performance status, EMA=European Medicines Agency, ESMO-MCBS= European Society of Medical Oncology – Magnitude of Clinical Benefit Scale, FDA=Food and Drug Administration, FM=final magnitude of clinical benefit grade, G-BA=Gemeinsamer Bundesausschuss, GEJ= gastroesophageal junction, HB=hepatitis B, HCV=hepatitis C virus, HER2=human epidermal growth factor receptor 2, HIV= for human immunodeficiency virus HR=hazard ratio, I=intervention, ICER=Institute for Clinical and Economic Review, INR= international normalised ratio , Int.=intention, IRC=independent review committee, ITT=intention-to-treat, MG=median gain, mFOLFOX6=modified folinic acid (or levofolinate), fluorouracil, and oxaliplatin regimen, n=number of patients, NICE=National Institute for Health Care Excellence, ORR=objective response rate, OS=overall survival, PE=primary endpoint, PFS=progression-free survival, PM=preliminary grade, QoL=quality of life, RECIST=Response Evaluation Criteria In Solid Tumors, SAE=serious adverse event, ST=standard treatment, TEAE=treatment-emergent adverse event, TRAE=treatment-related adverse event, ULN= upper limit of normal, WOCBP= woman of child-bearing potential

References:

- 1. European Medicines Agency (EMA). Medicines. Vyloy. [Available from: <u>https://www.ema.europa.eu/en/medicines/human/EPAR/vyloy</u>].
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