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For the use only of a Registered Medical Practitioner, Oncologist, Specialist, Hospital or Laboratory.

Bevacizumab

Abevmy •

(r-DNA Origin)

100 mg/ 4 mL (25 mg/mL) & **R**X

400 mg/ 16 mL (25 mg/mL)

Vascular Endothelial Growth Factor Inhibitors Concentrate for Solution for Infusion (IV)

In vitro, preclinical and clinical studies have demonstrated similarity between Bevacizumab (ABEVMY ™) and the reference bevacizumab product. Hence, this document includes publicly available information on the reference bevacizumab product. In this document, when information on the reference (originator) bevacizumab product is being referred to, the term "bevacizumab (Reference Product)" is used. The term "bevacizumab" is used to describe properties generally applicable to the bevacizumab molecule that are described based on observations with the reference product. Where information or instructions specific to Bevacizumab (ABEVMY ™) is presented, the term "Bevacizumab (ABEVMY ™)" is used.

NAME OF THE MEDICINAL PRODUCT Bevacizumab (ABEVMY ™)

FORMULATION nab (r-DNA origin) concentrate for solution for intravenous (I.V) infusi

Each Bevacizumab (ABEVMY TM) 100 mg in 4 mL vial contains 100 mg of Bevacizumab (r-DNA) (25 mg/mL) concentrate for solution for intravenous infusion supplied in a single use vial

Each Bevacizumab (ABEVMY ™) 400 mg in 16 mL vial contains 400 mg of Bevacizumab (r-DNA) (25 mg/mL) concentrate for

Bevacizumab (ABEVMY ™) is a biosimilar product DOSAGE FORM

Concentrate for Solution for Infusion (IV)

PRODUCT DESCRIPTION

Clear to slightly opalescent, colourless to pale brown liquid.

solution for intravenous infusion supplied in a single use vial.

WARNING: GASTROINTESTINAL PERFORATIONS, SURGERY AND WOUND HEALING COMPLICATIONS, AND **HAEMORRHAGE**

Gastrointestinal Perforations Gastrointestinal perforation, some fatal, is reported in bevacizumab-treated patients. Bevacizumab must be discontinued in patients with gastrointestinal perforation [see Sections Dose and Method of Administration, Warnings and Precautions]

Surgery and Wound Healing Complications

Bevacizumab-treated patients have increased incidence of wound healing and surgical complications, including serious and fatal complications. Bevacizumab must be discontinued in patients with wound dehiscence. The appropriate interval between termination of bevacizumab and subsequent elective surgery required to reduce the risks of impaired wound healing/wound dehiscence is not known. Bevacizumab must be discontinued at least 28 days before elective surgery. Bevacizumab must not be initiated for at least 28 days after surgery and until the surgical wound is fully healed [see Sections Dose and Method of Administration, Warnings and Precautions, Undesirable Effects).

400 mg/16 mL

Space for

In patients receiving bevacizumab, severe or fatal haemorrhage, including haemoptysis, gastrointestinal bleeding, central nervous system (CNS) haemorrhage, epistaxis, and vaginal bleeding occur more frequently. mab must not be administered to patients with serious haemorrhage or recent haemoptysis [see Sections Dose and Method of Administration, Warnings and Precautions, Undesirable Effects].

PHARMACODYNAMIC AND PHARMACOKINETIC PROPERTIES **Pharmacodynamic Properties**

Therapeutic/pharmacologic class: Vascular Endothelial Growth Factor Inhibitors

ATC code: L01X C07 Mechanism of Action¹

evacizumab is a recombinant humanised monoclonal antibody that selectively binds to human vascular endothelial growth factor (VEGF) and neutralises its biologic activity. Bevacizumab (ABEVMY ™) is produced by recombinant DNA technology in a Chinese Hamster ovary mammalian cell expression system in a nutrient medium containing the antibiotic gentamicin, and is purified by a process that includes specific viral inactivation and removal steps. By binding to VEGF, bevacizumab blocks the interaction of VEGF and its receptors (Flt-1 and KDR), present on the surface of endothelial cells. Bevacizumab inhibits the formation of tumour vasculature, thereby inhibiting tumour growth. In xenograft cancer models in nude (athymic) mice, bevacizumab or the parent murine antibody had notable anti-tumour activity, and inhibited metastatic disease progression as well as reduced microvascular permeability

Pharmacokinetic Properties

A double-blind, randomized, active-controlled, parallel-arm, comparative PK, efficacy, safety and immunogenicity study of Bevacizumab (ABEVMY ™) and bevacizumab (Reference Product), both in combination with capecitabine and oxaliplatin in

was similar to that of bevacizumab. Pharmacokinetics in Special Populations¹ Population pharmacokinetic analysis showed no significant effect of race (adjusted for body weight) or age on the

pharmacokinetics of evacizumab (Reference Product). The pharmacokinetics of bevacizumab have not been studied specifically in patients with renal impairment or patients with hepatic impairment, since neither the kidneys nor the liver are major organs of bevacizumab metabolism or excretion. In the limited number of paediatric patients studied, volume of distribution and clearance were comparable to that in adult patients

The clinical efficacy of Bevacizumab (ABEVMY ™) was assessed in a double-blind, randomized, active-controlled, parallel-arm, comparative PK, efficacy, safety and immunogenicity study of **Bevacizumab (ABEVMY ™)** and bevacizumab (Reference Product), both in combination with capecitabine and oxaliplatin in patients with first-line mCRC. There were no significant differences between Bevacizumab (ABEVMY ™) and bevacizumab with regard to efficacy in terms of progression-free survival (PFS) rate, clinical benefit (disease control rate [DCR]), or overall response rate (ORR).

During conventional single- and repeat-dose toxicity studies of **Beyacizumab (ABEVMY TM)** in mice, rabbits, and cynomolous monkeys, no clinically relevant adverse events were observed at the highest dose levels tested. Local tolerance was also evaluated in these toxicity studies, and no clinically relevant effects were observed. No meaningful differences were observed between the toxicity profiles of **Bevacizumab (ABEVMY TM)** and bevacizumab (Reference Product).

The inhibition of angiogenesis following administration of bevacizumab may result in an adverse effect on female fertility. 1,2

THERAPEUTIC INDICATIONS^{1,2}

- atment of adult patients with metastatic carcinoma of the colon or rectum (in combination with fluoropyrimidin based chemotherapy
- First-line treatment of non-squamous non-small cell lung cancer (NSCLC) in combination with platinum-based chemotherapy
- · Treatment of glioblastoma, as a single agent for adult patients with progressive disease following prior therapy
- First-line treatment (in combination with interferon alpha-2a) of adult patients with advanced and/or metastatic renal cell Front-line treatment (in combination with carboplatin and paclitaxel) of adult patients with advanced (International
- Federation of Gynecology and Obstetrics [FIGO] stages III B, III C and IV) epithelial ovarian, fallopian tube. or primary peritoneal cancer
- Treatment of persistent, recurrent, or metastatic carcinoma of the cervix in adult patients, in combination with paclitaxel and cisplatin; or, alternatively, paclitaxel and topotecan (for those who cannot receive platinum therapy)

DOSE AND METHOD OF ADMINISTRATION^{1,2}

A healthcare professional should prepare bevacizumab infusion solution using aseptic technique (see Section Storage and Handling). Prepare bevacizumab infusion solution using normal saline only. Do not administer or prepare in dextrose solution. Bevacizumab must be administered under the supervision of a physician experienced in the use of antineoplastic

Deliver the initial bevacizumab dose as an intravenous infusion, over 90 minutes. The second infusion can be administered over 60 minutes, if the first is well tolerated; and subsequent infusions can be administered over 30 minutes, if infusion over 60 minutes is tolerated.

Bevacizumab must not be administered as an intravenous push or bolus; but only as an intravenous (IV) infusion. Bevacizumab must not be initiated until at least 28 days after major surgery; and must be administered after the surgical

Dose reduction for adverse reactions is not recommended for bevacizumab. Bevacizumab should either be permanently discontinued or temporarily suspended, if indicated, as described below.

Bevacizumab should be permanently discontinued for gastrointestinal perforations [see Boxed Warning, Section Warnings and Precautions]; wound dehiscence and wound healing complications requiring medical intervention [see Section Warnings and Precautions]; serious haemorrhage (i.e., requiring medical intervention) [see Boxed Warning, Section Warnings and Precautions]; severe arterial thromboembolic events [see Section Warnings and Precautions]; life-threatening (Grade 4) venous thromboembolic events, including pulmonary embolism [see Section Warnings and Precautions]; hypertensive crisis or hypertensive encephalopathy [see Section Warnings and Precautions]; Posterior Reversible Encephalopathy Syndrome (PRES) [see Section Warnings and Precautions]; nephrotic syndrome [see Section Warnings and Precautions]

Bevacizumab should be temporarily suspended for (1) at least 4 weeks before elective surgery [see Section Warnings and Precautions]; (2) severe hypertension not controlled with medical management [see Section Warnings and Precautions]; (3) moderate to severe proteinuria [see Section Warnings and Precautions]; (4) severe infusion reactions [see Section Warnings

Bevacizumab is not for intravitreal use (see Section Warnings and Precautions).

Metastatic Colorectal Cancer (mCRC)

Following are the dose recommendations for bevacizumab, administered as an intravenous infusion: The recommended dose of bevacizumab, administered as an intravenous infusion, is either 5 mg/kg or 10 mg/kg of body

weight given once every 2 weeks or 7.5 mg/kg or 15 mg/kg of body weight given once every 3 we It is recommended to continue bevacizumab treatment until progression of the underlying disease or unacceptable toxicity. If a patient has been previously treated with bevacizumab, bevacizumab treatment can be continued after the first

Non-small cell lung cancer (NSCLC)

First-line treatment of non-squamous NSCLC in combination with platinum-based chemotherapy The recommended dose of bevacizumab is 7.5 mg/kg or 15 mg/kg of body weight given once every 3 weeks as an intravenous infusion, in addition to platinum-based chemotherapy for up to 6 cycles of treatment, followed by bevacizumab as a single agent until disease progression of the underlying disease, or until unacceptable toxicity.

Advanced and/or Metastatic Renal Cell Carcinoma (mRCC) A dose of 10 mg/kg of body weight is recommended, given as an intravenous infusion once every 2 weeks, in combination

with interferon alpha. Continue bevacizumab treatment until proression of the underlying disease or unacceptable toxicity.

Malignant Glioma (WHO Grade IV) - Glioblastoma A dose of 10 mg/kg of body weight given once every 2 weeks is recommended, given as an intravenous infusion; or a dose

of 15mg/kg of body weight given once every 3 weeks as an intravenous infusior Continue bevacizumab treatment until progression of the underlying disease or unacceptable toxicity.

Epithelial Ovarian, Fallopian Tube or Primary Peritoneal Cancer

Following are the dose recommendations for bevacizumab, to be given as an intravenous infusion:

For front-line treatment, 15 mg/kg of body weight once every 3 weeks is recommended, when given in addition to carboplatin and paclitaxel for up to six cycles of treatment; thereafter continue bevacizumab as a single agent for 15 months

Administer bevacizumab in combination with paclitaxel and cisplatin, or paclitaxel and topotecan. 15 mg/kg of body weight of bevacizumab is recommended, given as an intravenous infusion once every 3 weeks.

Continue bevacizumab treatment until progression of the underlying disease or unacceptable toxicity.

evacizumab is not approved for use in patients under the age of 18 years. No trials have been conducted to investigate the

pharmacokinetics of bevacizumab in patients with hepatic impairment, since the liver is not a major organ for bevacizumab netabolism or excretion

Children and adolescents: The safety and efficacy of beyacizumab has not been studied in children and adolescents. Elderly: Elderly patients do not require any dose adjustment.

Renal impairment: The safety and efficacy of bevacizumab in patients with renal impairment has not been studied.

Hepatic impairment: The safety and efficacy of bevacizumab have not been studied in patients with hepatic impairment.

Female patients of reproductive potential should be advised to use effective contraception during treatment witl bevacizumab and for 6 months following the last dose of bevacizumab.

Based on findings in animals and the drug's mechanism of action, bevacizumab may cause harm to the foetus [see Section Mechanism of Action]. A limited number of cases of foetal malformations have been observed in women treated with bevacizumab (Reference Product) alone or in combination with known embryotoxic chemotherapeutics. These reports are however insufficient to determine bevacizumab-associated risks. In pregnant rabbits, intravenous administration of bevacizumab (Reference Product) every 3 days during organogenesis (doses were approximately 1 to 10 times the clinical dose of 10 mg/kg) caused foetal resorptions, decreased maternal and foetal weight gain and multiple congenita malformations; which included corneal opacities and abnormal ossification of the skull and skeleton (including limb and phalangeal defects). Animal models also link angiogenesis and VEGF and VEGF Receptor 2 (VEGFR2) to critical aspects of female reproduction, embryofoetal development, and postnatal development. Pregnant women should be advised of the potential risk to a foetus.

Summary of Animal Data Decreases in maternal and foetal body weights and increased foetal resorptions were observed in pregnant rabbits given 10 to 100 mg/kg bevacizumab (Reference Product) [approximately 1 to 10 times the clinical dose, 10 mg/kg] every three days during organogenesis (gestation days 6–18). The number of litters containing foetuses with any type of malformation increased in relation to dose (42.1% for the 0 mg/kg dose, 76.5% for the 30 mg/kg dose, and 95% for the 100 mg/kg dose); as did the number of litters containing foetuses with foetal alterations (9.1% for the 0 mg/kg dose, 14.8% for the 30 mg/ kg dose, and 61.2% for the 100 mg/kg dose). All dose levels showed skeletal deformities. Some abnormalities including

neningocele were seen only at the 100 mg/kg dose level. Reduced or irregular ossification in the skull, iaw. spine. ribs. tibia

and bones of the paws; fontanel, rib and hindlimb deformities; corneal opacity; and absent hindlimb phalanges, were some

There is no data to indicate whether bevacizumab is present in human milk; has effects on the breast fed infant; or effects

on milk production. The literature suggests that antibodies in breast milk do not enter the neonatal and infant circulation in substantial amounts; though human IgG is present in human milk. Nursing women should be advised that breastfeeding is not recommended during treatment with bevacizumab, because of the potential for serious adverse reactions in breastfed infants. Nursing women should not breast-feed for at least six months following the last dose of bevacizumab.

Females of Reproductive Potential

of the teratogenic effects observed

Contraception

Harm to the foetus may result if bevacizumab is administered to a pregnant woman. Female patients of reproductive otential should be advised to use effective contraception during treatment with bevacizumab and for 6 months following the last dose of bevacizumab [see Pregnancy in this section]

bevacizumab, female patients of reproductive potential must be informed of the risk of ovarian failure. The long term effects

on fertility are unknown. In some patients, ovarian function recovered after bevacizumab (Reference Product) treatment was discontinued [see Sections Warnings and Precautions, Undesirable Effects]. Bevacizumab is not approved for use in patients under the age of 18. The safety, effectiveness and pharmacokinetic profile

of bevacizumab in paediatric patients is not known. There are reports in the literature of non-mandibular osteonecrosis in

The risk of ovarian failure increases with bevacizumab, and fertility may be impaired. Prior to starting treatment with

bevacizumab (Reference Product) -treated patients under 18 years. There is insufficient data on the safety and efficacy of bevacizumab in children with glioblastoma.

Summary of Animal Data

After 4 to 26 weeks exposure of bevacizumab (Reference Product) at 0.4 to 20 times the recommended human dose of bevacizumab (based on mg/kg and exposure), physical dysplasia was observed in juvenile cynomolgus monkeys with open

growth plates. The physeal dysplasia was partially reversible after stopping treatment, and incidence and severity were elated to dose. Arrested follicular development or absent corpora lutea as well as dose-related decreases in ovarian and uterine weights, endometrial proliferation, and the number of menstrual cycles, were seen in female cynomolgus monkeys treated with 0.4 to 20 times the recommended human dose.

Geriatric Use

In patients aged ≥65 years given bevacizumab (Reference Product), the following severe adverse events occurred more frequently (≥2%) than in younger patients; asthenia, sepsis, deep thrombophlebitis, hypertension, hypotension, myocardia infarction, congestive heart failure, diarrhoea, constipation, anorexia, leukopenia, anaemia, dehydration, hypokalaemia hypernatremia, arterial thromboembolic reactions, including cerebrovascular accidents (CVAs), transient ischaemic attacks TIAs) and myocardial infarctions (MIs); Grade 3-4 thrombocytopenia (NCI-CTCAE v.3); and all Grade neutropenia, nausea,

Bevacizumab (Reference Product) had a similar effect on overall survival in elderly patients and younger patients.

Hypersensitivity to the active substance or to any of the excipients (see Section Composition)

Hypersensitivity to Chinese Hamster Ovary (CHO) cell products or other recombinant human or humanised antibodies

CONTRAINDIC ATIONS 1,2

Initiate bevacizumab therapy under the supervision of a physician experienced in cancer treatment/oncologist Gastrointestinal Perforations and Fistulae

There is increased risk of developing gastrointestinal perforation (serious and sometimes fatal) and gall bladder perforation when treated with bevacizumab. Gastrointestinal perforation, some fatal, was reported in 0.3% to 3.2% of bevacizumab (Reference Product)-treated patients. Caution should be exercised in patients with metastatic carcinoma of the colon or rectum, as intra-abdominal inflammatory processes may be a risk factor for gastrointestinal perforations. Prior radiation is a risk factor for GI perforation in patients treated for persistent, recurrent or metastatic cervical cancer with

Bevacizumab should be permanently discontinued in patients with gastrointestinal perforation. Gastrointestinal-vaginal fistulae

Patients treated with bevacizumab for persistent, recurrent, or metastatic cervical cancer have a higher risk of fistulae betweer the vagina and any part of the GI tract (Gastrointestinal-vaginal fistulae). Prior radiation is a major risk factor for the development of GI-vaginal fistulae. An additional important risk factor for the development of GI-vaginal fistulae is recurrence of cancer within the field of prior radiation. Patients developing GI vaginal fistulas may also develop bowel obstructions and may require surgical intervention and diverting ostomies [see Boxed Warning, Section Dose and Method of Administration].

Non-Gastrointestinal Fistulae Bevacizumab treatment may increase the risk of patients developing fistulae.

Bevacizumab should be permanently discontinued in patients with tracheoesophageal fistula or any Grade 4 fistula [US National Cancer Institute-Common Terminology Criteria for Adverse Events (NCI-CTCAE v.3)]. There is limited information on • Ovarian Failure [see Warnings and Precautions and Use in Specific Populations] the continued use of bevacizumab in patients with other fistulae.

Consider discontinuation of bevacizumab for internal fistula not arising in the GI tract. Wound Healing Complications

Bevacizumab may have adverse effects on wound healing. Serious complications, including anastomotic complications have occurred; with fatal outcomes. Do not start therapy for at least 28 days after major surgery, or till the surgical wound has healed completely. If a patient experiences wound healing complications, withhold bevacizumab till the wound is fully healed. Patients undergoing elective surgery should have therapy withheld.

Rare cases of necrotising fasciitis have been reported in patients treated with bevacizumab (Reference Product), some of which were fatal. Usually necrotising fasciitis is secondary to wound healing complications, gastrointestinal perforation or fistula formation. Discontinue bevacizumab therapy in patients with necrotising fasciitis. Initiate the appropriate treatment without delay.

Bevacizumab (Reference Product)-treated patients showed a higher incidence of hypertension. Before bevacizumab treatment is initiated, pre-existing hypertension should be properly controlled. No information is available on the effect of bevacizumab in patients who have uncontrolled hypertension at the time of start of therapy. In general, it is recommended

If a patient is receiving cisplatin, the use of diuretics to manage hypertension is not advised. Discontinue bevacizumab permanently if treatment with antihypertensives is not able to control medically significant hypertension, or in cases of

hypertensive crisis or hypertensive encephalopathy.

therapy in patients who have experienced PRES.

that blood pressure be monitored during bevacizumab treatment

Posterior Reversible Encephalopathy Syndrome (PRES) In rare cases, bevacizumab (Reference Product)-treated patients have developed signs and symptoms consistent with the rare neurologic disorder PRES. These include: seizures, headache, altered mental status, visual disturbance, or cortical blindness, with or without associated hypertension. The diagnosis of PRES should be confirmed by brain imaging preferably magnetic resonance imaging (MRI). Specific symptoms, should be treated, and hypertension should be controlled, along with discontinuation of bevacizumab. There is no information on the safety of reinitiating bevacizumab

Patients who have had hypertension may have a higher risk of proteinuria if treated with bevacizumab. Proteinuria should be monitored by appropriate urinanalyis, preferably by dipstick, before starting bevacizumab treatment, and during the treatment. If patients develop nephrotic syndrome (NCI-CTCAE v.3) permanently discontinue bevacizumab treatment.

Arterial thromboembolism Arterial thromboembolic reactions such as cerebrovascular accidents (CVAs), transient ischaemic attacks (TIAs) and

myocardial infarctions (MIs) had a higher incidence in patients treated with bevacizumab (Reference Product) in combination with chemotherapy, than in patients receiving chemotherapy alone. Patients who are on bevacizumab plus chemotherapy and have risk factors such as a history of arterial thromboembolism diabetes or age >65 years are at higher risk of developing arterial thromboembolic reactions. Exercise caution when treating

such patients with bevacizumab Permanently discontinue bevacizumab in patients with arterial thromboembolic reactions

Venous thromboembolism

The risk of venous thromboembolic reactions, including pulmonary embolism, is higher in patients under bevacizumab

Persistent, recurrent, or metastatic cervical cancer patients under treatment with bevacizumab in combination with paclitaxel and cisplatin may have increased risk of venous thromboembolic events Discontinue bevacizumab in patients with life-threatening (Grade 4, NCI-CTCAE v.3) thromboembolic reactions, including

pulmonary embolism: and closely monitor patients with thromboembolic reactions ≤Grade 3 (NCI-CTCAE v.3). Bevacizumab treatment increases the risk of haemorrhage, especially tumour-associated haemorrhage. Severe or fatal

haemorrhage, including haemoptysis, gastrointestinal bleeding, CNS haemorrhage, epistaxis, and vaginal bleeding occurred up to 5 times more frequently in bevacizumab (Reference Product)-treated patients. Discontinued bevacizumab permanently in patients with Grade 3 or 4 bleeding (NCI-CTCAE v.3) during treatment. Monitor patients for signs and symptoms of CNS bleeding, and discontinue bevacizumab treatment in cases of intracranial

Exercise caution when initiating bevacizumab in patients with congenital bleeding diathesis, acquired coagulopathy or who are receiving a full dose of anticoagulants for the treatment of thromboembolism; as there is no information on the safet profile of bevacizumab in such patients. However, no increase occurred in the rate of ≥Grade 3 bleeding (NCI-CTCAE v.3) in patients who developed venous thrombosis and who were treated with a full dose of warfarin and bevacizumab (Reference Product) concomitantly.

Pulmonary haemorrhage/haemoptysis There may be a risk of serious, and in some cases fatal, pulmonary haemorrhage/haemoptysis in patients with non-small cell lung cancer treated with bevacizumab. Do not administer bevacizumab to patients with recent pulmonary haemorrhage/ haemoptysis (>2.5 ml of red blood)

Congestive heart failure (CHF) Both asymptomatic and symptomatic CHF has been reported with bevacizumab (Reference Product) treatment. Exercise caution when administering bevacizumab to patients with clinically significant cardiovascular disease, such as pre-existing

coronary artery disease, or congestive heart failure Patients with risk factors for CHF, treatment with anthracyclines, or radiotherapy to the left chest may be at a higher risk to

Reactions ranging from asymptomatic decline in left ventricular ejection fraction to symptomatic CHF requiring hospitalization have been reported with bevacizumab (Reference Product)

Patients treated with some myelotoxic chemotherapy regimens plus bevacizumab (Reference Product) had increased rates of severe neutropenia, febrile neutropenia, or infection with or without severe neutropenia, in comparison to patients treated with chemotherapy alone. Some cases were fatal. A greater proportion of patients with persistent, recurrent, or metastatic

infections than patients treated with paclitaxel and topotecan. Hypersensitivity reactions/infusion reactions ere is a risk of infusion/hypersensitivity reactions in patients treated with bevacizumab. As recommended for infusions of any therapeutic humanised monoclonal antibody, patients must be closely observed for such reactions during and following administration of bevacizumab. Discontinue therapy and administer appropriate treatment if such reactions occur.

cervical cancer treated with bevacizumab (Reference Product) plus paclitaxel and topotecan experienced Grade 3-5

Osteonecrosis of the jaw (ONJ)

Patients treated with bevacizumab (Reference Product) have experienced ONJ. The majority of cases occurred in patients who had prior or concomitant treatment with intravenous bisphosphonates (for which ONJ is an identified risk). Exercise caution when administering bevacizumab and intravenous bisphosphonates (simultaneously or seguentially).

Another identified risk factor is invasive dental procedures. Before starting bevacizumab, a dental examination with appropriate preventive dentistry should be considered. Patients who have received or are receiving intravenous bisphosphonates should be avoid such procedures where possible

Unapproved intravitreal use of bevacizumab (Reference Product) has been reported to cause serious ocular adverse reactions including infectious endophthalmitis, intraocular inflammation such as sterile endophthalmitis, uveitis and vitritis, retinal detachment, retinal pigment epithelial tear, intraocular pressure increased, intraocular haemorrhage such as vitreous haemorrhage or retinal haemorrhage and conjunctival haemorrhage. Some of these reactions have resulted in multiple degrees of visual loss, up to and including permanent blindness.

Systemic effects following intravitreal use Anti-VEGF therapies have been reported to reduce circulating serum VEGF concentration with intravitreal injection. Nonocular events include haemorrhage and thromboembolic reactions

Ovarian failure/fertility Bevacizumab may impair fertility in female patients. Before initiating treatment in women of child-bearing potential, discuss

fertility preservation strategies

Grade 3 and 4 (NCI-CTCAE v.3) laboratory abnormalities that occurred with greater incidence in patients treated with bevacizumab (Reference Product) than in the corresponding control groups were hyperglycaemia, decreased haemoglobin, hypokalaemia, hyponatraemia, decreased white blood cell count, and increased international normalised ratio (INR). Bevacizumab (Reference Product) was associated with transient increases in serum creatinine, with and without proteinuria. The increase in serum creatinine was not associated with more frequent clinical manifestations of renal impairment in

bevacizumab (Reference Product)-treated patients. Bevacizumab treatment may be associated with decreased neutrophil count, decreased white blood cell count and

presence of urine protein. DRUG INTERACTIONS 1.5

No clinically relevant interaction of co-administered chemotherapy on bevacizumab (Reference Product) pharmacokinetic: was observed. No clinically relevant interaction of bevacizumab (Reference Product) was observed on the pharmacokinetics of co-administered interferon alpha 2a, erlotinib (or its active metabolite OSI-420), or the chemotherapies irinotecan (and its metabolite SN384), capecitabine, oxaliplatin, and cisplatin.

In patients with NSCLC, there was no apparent difference in the mean exposure of either carboplatin or paclitaxel, when each was administered alone or in combination with bevacizumab (Reference Product) In some patients with mRCC, treated with bevacizumab (Reference Product) in combination with sunitinib malate

microangiopathic haemolytic anaemia (MAHA) was reported; MAHA was fully reversible upon discontinuation of bevacizumab (Reference Product) and sunitinib malate. No studies investigating the interaction of anti-EGFR antibodies and bevacizumab have been conducted. Observations

suggest increased toxicity with concomitant use of anti-EGFR antibodies compared to bevacizumab plus chemotherapy

Interactions between bevacizumab and radiotherapy have not been established. EGFR monoclonal antibodies should not

Summary of the safety profile Data used for the overall safety profile of bevacizumab (Reference Product) was collected from patients with various types of cancer. These patients were predominantly treated with bevacizumab (Reference Product) in combination with

The appropriate sections of this document discuss the following serious adverse reactions in greater detail:

be administered for the treatment of mCRC in combination with bevacizumab-containing chemotherapy

- · Gastrointestinal Perforations and Fistulae [see Boxed Warning, Dose and Method of Administration, and Warnings and Precautions] • Non-Gastrointestinal Fistula [see Dose and Method of Administration and Warnings and Precautions]
- Wound Healing Complications [see Boxed Warning, Dose and Method of Administration, and Warnings and Precautions] Haemorrhage [see Boxed Warning, Dose and Method of Administration, and Warnings and Precautions]
- Arterial Thromboembolism [see Dose and Method of Administration and Warnings and Precautions]
- Venous Thromboembolism [see Dose and Method of Administration and Warnings and Precautions] Hypertension [see Dose and Method of Administration and Warnings and Precautions]
- Posterior Reversible Encephalopathy Syndrome [see Dose and Method of Administration and Warnings and Precautions] • Proteinuria [see Dose and Method of Administration and Warnings and Precautions]
- Hypersensitivity Reactions/Infusion Reactions [see Dose and Method of Administration and Warnings and Precautions] The most common adverse reactions (those with incidence >10% and at least twice as frequent as in the control arm) are

epistaxis, headache, hypertension, rhinitis, proteinuria, taste alteration, dry skin, rectal haemorrhage, lacrimation disorder,

back pain and exfoliative dermatitis. Though some of the adverse reactions are commonly seen with chemotherapy, bevacizumab may exacerbate these reactions when combined with chemotherapeutic agents. Examples include palmarplantar erythrodysaesthesia syndrome with pegylated liposomal doxorubicin or capecitabine peripheral sensory neuropathy with paclitaxel or oxaliplatin, and nail disorders or alopecia with paclitaxel. Hypertension, fatigue or asthenia, diarrhoea and abdominal pain were the most frequently observed adverse reactions in patients.

In some patients, adverse reactions led to the discontinuation of bevacizumab (Reference Product). The occurrence of hypertension and proteinuria are likely to be dose-dependent, according to the clinical safety data.

Very common (≥1/10): Febrile neutropenia, paronychia, leukopenia, neutropenia, thrombocytopenia, anorexia, peripheral

sensory neuropathy, dysarthria, headache, dysguesia, eye disorder, lacrimation increased, hypertension, thromboembolism

The following sections categorise adverse reactions by frequency category.

renous), dyspnoea, rhinitis, rectal haemorrhage, stomatitis, constipation, diarrhoea, nausea, vomiting, abdominal pain, wound healing complications, exfoliative dermatitis, dry skin, skin discoloration, arthralgia, proteinuria, ovarian failure, asthenia, fatigue, pyrexia, pain, mucosal inflammation, weight decreased

Common (≥1/100 to <1/10): Sepsis, abscess, cellulitis, infection, urinary tract infection, anaemia, lymphopenia, hypersensitivity, infusion reactions, dehydration, cerebrovascular accident, syncope, somnolence, congestive heart failure, supraventricular tachycardia, thromboembolism (arterial), pulmonary haemorrhage/haemoptysis, pulmonary embolism, epistaxis, hypoxia, dysphonia, gastrointestinal perforation, intestinal perforation, ileus, intestinal obstruction, recto-vaginal fistulae, gastrointestinal disorder, proctalgia, palmarplantar erythrodysaesthesia syndrome, fistula, myalgia, muscular

Uncommon (≥1/1,000 to <1/100): biliary fistula, bronchopleural fistula,.

Rare (≥1/10,000 to <1/1,000): Necrotising fasciitis, posterior reversible encephalopathy syndrome

weakness, back pain, pelvic pain, lethargy, dry mouth, haemorrhage, deep vein thrombosis.

Very rare (<1/10.000): Hypertensive encephalopathy

Not known (cannot be estimated from the available data): Renal thrombotic microangiopathy; pulmonary hypertension; nasal septum perforation; gastrointestinal ulcer; gallbladder perforation; osteonecrosis of the jaw; non-mandibular osteonecrosis foetal abnormalities; comanifestations of hypersensitivity/infusion reactions (dyspnoea/difficulty breathing, flushing/ redness/rash, hypotension or hypertension, oxygen desaturation, chest pain, rigors and nausea/vomiting); polyserositis; mesenteric venous occlusion: eve disorders (from unapproved intravitreal use for treatment of various ocular disorders): permanent loss of vision, endophthalmitis (infectious and sterile), intraocular inflammation, retinal detachment, increased ntraocular pressure, haemorrhage including conjunctival, vitreous haemorrhage or retinal haemorrhage, vitreous floaters, ocular hyperaemia, ocular pain or discomfort; intestinal necrosis; anastomotic ulceration; pancytopenia, acne, anaphylactic and anaphylactoid-type reactions, angina, anxiety, bladder fistula, blurred vision, cerebral infarction, deafness, decreased appetite, dizziness, dyspepsia, gastritis, gastroesophageal reflux disease, gastrointestinal hemorrhage, melaena, gingival nemorrhage, gingival pain, gingivitis, hemolytic anemia, hemorrhagic stroke, hypoalbuminemia, hypomagnesemia, intra abdominal thrombosis, neutropenic infections, peripheral edema, pneumonitis, rectal fistula, renal failure, renal fistula. thrombosis, tinnitus, upper respiratory tract infection, vaginal fistula, tracheo-esophageal fistula, vitreous opacity.

Bevacizumab, like all therapeutic proteins, has the potential to induce an immune response. In colon carcinoma patients treated with bevacizumab (Reference Product), a small number of patients were positive for anti-bevacizumab antibodies, of whom some were positive for neutralizing antibodies. These antibody responses have unknown clinical significance. In a double-blind, randomized, active-controlled, parallel-arm, comparative PK, efficacy, safety and immunogenicity study of Bevacizumab (ABEVMY ™) and bevacizumab (Reference Product), both in combination with capecitabine and oxaliplatin in patients with metastatic colorectal cancer (mCRC), the immunogenicity of **Bevacizumab (ABEVMY ™)** and bevacizumab (Reference Product) were found to be similar.

20 mg/kg IV is the highest dose tested in humans, and was associated with headache in nine of 16 patients and with severe

headache in three of 16 patients.

SHELF-LIFE

Store at temperatures between 2-8°C. Do not freeze. Do not shake. Keep out of reach of children

Keep vial in the outer carton in order to protect from light. Bevacizumab (ABEVMY ™) does not contain any antimicrobial preservative; therefore, care must be taken to ensure

Bevacizumab (ABEVMY ™) is stable in and compatible with sterile saline solution (0.9% sodium chloride solution) for a period of up to 70 days at 2°C to 8°C and a period of up to 15 days at 23°C to 27°C under aseptic conditions and 24 hours under standard laboratory conditions at room temperature. From a microbiological point of view, the product should be used immediately.

- Administer/mix Bevacizumab (ABEVMY ™) using normal saline solution only.
- Do not prepare or administer in dextrose solution
- Bevacizumab (ABEVMY ™) must not be administered as an intravenous push or bolus.
- To ensure the prepared solution is sterile, a healthcare professional should prepare Bevacizumab (ABEVMY TM) using aseptic technique
- As with all parenteral medicinal products, **Bevacizumab (ABEVMY™)** should be inspected visually for particulate matter and discolouration prior to administratio
- Withdraw the necessary amount of **Bevacizumab (ABEVMY ™)** and dilute to the required administration volume with sodium chloride 9 mg/ml (0.9%) solution for injection.
- Keep the concentration of the final Bevacizumab (ABEVMY ™) solution within the range of 1.4 mg/ml to 16.5 mg/ml.

• Discard any unused portion left in a vial, as the product contains no preservatives. • Bevacizumab (ABEVMY ™) is not for intravitreal administration.

incompatibilities have been observed between Bevacizumab (ABEVMY TM) and polyvinyl chloride or polyolefine bags or infusion sets. Dilute Bevacizumab (ABEVMY TM) using normal saline solution only. Do not prepare or administer in dextrose solution.

Disposal of unused/expired medicines: The release of pharmaceuticals in the environment should be minimized. Medicines should not be disposed of via wastewater and disposal through household waste should be avoided. Use established "collection systems", if available in

Bevacizumab (ABEVMY ™) 100 mg/4ml - Pack of 1 Vial (4 mL):

Bevacizumab (ABEVMY ™) 100 mg (25 mg/ml) is filled in a 6 mL USP Type I clear glass vial with grey chlorobutyl rubber stopper and aluminum seal with plastic flip-off cap x 4 mL (Box of 1's)

Bevacizumab (ABEVMY ™) 400 mg/16ml- Pack of 1 Vial (16 mL): Bevacizumab (ABEVMY ™) 400 mg (25 mg/mL) is filled in a 20 mL USP Type I clear glass vial with grey chlorobutyl rubber stopper and aluminum seal with plastic flip-off cap x 16 mL (Box of 1's)

Caution: Foods, Drugs, Devices and Cosmetics Act prohibits dispensing without prescription For suspected adverse drug reaction, report to the FDA: www.fda.gov.ph.

Registration No.: BR-1402 (400 mg / 16 mL) Registration No.: BR-1403 (100 mg / 4 mL)

Date of First Authorization/Renewal of the Authorization: 23 May 2022

vour location.

Manufactured by: **Biocon Biologics Limited** Block No. B1, B2, B3, Q13 OF Q1 and W20 and Unit S18, 1st Floor, Block B4, Special Economic Zone, Plot NO. 2, 3, 4, & 5, Phase IV, Bommasandra-Jigani Link Road,

Bommasandra Post, Bengaluru-560 099, India

Manufactured for: Mylan Pharmaceuticals Private Limited, doom No. 2, Opp. Stair Case, Minus 3rd Floor, Plot No.564/A/22, Road No. 92, Jubilee Hills,

Hyderabad, Jubilee Hills (V), Ameerpet (M), Hyderabad (Dist), Telangana, India.

Marketing Authorization Holder Viatris Pharmaceuticals, Inc. 22nd floor, Units C&D, Menarco Tower 32nd St. Bonifacio Global City, Taguig City, Metro Manila.

VIATRIS

0th Floor, Prestige Platina, Block 3,

Bengaluru - 560 087, India.

For further details, please contact: **Medical Services Department** Mylan Pharmaceuticals Private Limited

Kadubeesanahalli Village, Varthur Hobli, Outer Ring Road, East Taluk,

Tumors. 2009. Cancer Chemother Pharmacol 65(1): 97–105

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Advice: Interchangeability or substitution of a biosimilar with another biosimilar or a reference biotechnology product with a To report adverse events and/or product complaints visit our website www.mylan.in or email us at: pharmacovigilance.

mppl@mylan.in or contactmppl@mylan.com.

1. http://www.accessdata.fda.gov/drugsatfda_docs/label/2016/125085s317lbl.pdf.

http://www.ema.europa.eu/docs/en_GB/document_library/EPAR_-_Product_Information/human/000582/ WC500029271.pdf 3. http://www.hc-sc.gc.ca/dhp-mps/prodpharma/notices-avis/conditions/avastin_dhcpl_lapds_130719-eng.php#fn1 Denlinger CS, et al. Pharmacokinetic Analysis of Irinotecan plus Bevacizumab in Patients with Advanced Solid

Note: Unless otherwise stated, material contained herein related to studies, tests, treatment and applications are taken from

| Artwork Approval sheet | | | | |
|---------------------------------|--------------------------------|-------------------------------|---------------------------|-------------------|
| Product Brand Name | Abevmy | Market | Philippines - BBL Viatris | |
| Product Generic Name | Bevacizumab injection | Sales / PS | Sales | |
| Strengths | 100 mg/4 mL & 400 mg/16 mLt | Pack Size | NA | |
| Type of Component | PI | Component Size | 630 x 500 mm | |
| Substrate | 40 gsm ITC news print | | | |
| Design & Style | PRC | | | |
| Foil Width | NA | Blister size | NA | |
| Current Site material code | BFXXXX/XX | Superseded Site material code | NA | |
| TW PR No. | TBC | | | |
| Pantone Numbers / Colour Scheme | Process Black | | | |
| Reason for Issuance | New Component / Revise Compone | ent | | |
| Reason for Revision | NA | | | |
| Mylan Approvals | | | | |
| Packaging Coordinator | Business Development | Marketing | Regulatory Affairs | Quality Assurance |
| Third Party Site Approvals | | | | |
| Packaging Development | Production | Regulatory Affairs | Quality Assurance | |
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