

Proposed packaging material		
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Name & Date	RM (26 Oct 2022)	

FORXIGATM

Dapagliflozin

Film-coated tablets

1. NAME OF THE MEDICINAL PRODUCT

Forxiga 5 mg film - coated tablets
Forxiga 10 mg film - coated tablets

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

Forxiga 5 mg film-coated tablets :

Each tablet contains dapagliflozin propanediol monohydrate equivalent to 5 mg dapagliflozin.
Excipient with known effect:
Each tablet contains 25 mg of lactose anhydrous.

Forxiga 10 mg film-coated tablets ;
Each film-coated tablet of Forxiga contains dapagliflozin propanediol equivalent to 10 mg dapagliflozin.

Excipient with known effect:
Each tablet contains 50 mg of lactose anhydrous.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

- Forxiga (dapagliflozin) 5 mg tablets are yellow, biconvex, round, film coated tablets with “5” engraved on one side and “1427” engraved on the other side.
- Forxiga (dapagliflozin) 10 mg tablets are yellow, biconvex, diamond, film coated tablets with “10” engraved on one side and “1428” engraved on the other side

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Type 2 diabetes mellitus

Add-on combination therapy

Forxiga is indicated in patients with type 2 diabetes mellitus to improve glycemic control in combination with :

- Metformin
- Pioglitazone
- Sitagliptin (with or without metformin)
- Gliclazide, Glimepiride, or Glyburide (with or without metformin)
- Insulin (alone or with up two oral antidiabetic medications)

when the existing therapy, along with diet and exercise, does not provide adequate glycemic control.

For study results with respect to combination of therapies, effects on glycaemic control, cardiovascular and renal events, and the populations studied, see sections Special warnings and Precautions for Use, Undesirable effects and Pharmacodynamics.

Heart failure

FORXIGA is indicated in adults for the treatment of symptomatic chronic stable heart failure (NYHA functional class (II-III)) with reduced ejection fraction (left ventricular ejection fraction (LVEF) < 40%), as an adjunct to standard of care therapy.

Chronic Kidney Disease

Forxiga is indicated in adults for the treatment of chronic kidney disease (eGFR 30-75 ml/min/1.73 m²) in reducing the risk of composite of $\geq 50\%$ sustained eGFR decline, end-stage renal disease, and renal or cv death.

4.2 Posology and method of administration

Posology

Type 2 diabetes mellitus

Add-on combination therapy

The recommended dose is 10 mg dapagliflozin once daily for add-on combination therapy with metformin; pioglitazone; sitagliptin (with or without metformin); or gliclazide, glimepiride, or glyburide (with or without metformin); or insulin (alone or with up two antidiabetic medications). When dapagliflozin is used in combination with an insulin secretagogue, such as gliclazide, glimepiride, or glyburide, a lower dose of insulin secretagogue may be considered to reduce the risk of hypoglycaemia (see sections 4.5 and 4.8).

Heart failure

The recommended dose is 10 mg dapagliflozin once daily.

In the DAPA-HF study, dapagliflozin was administered in conjunction with other heart failure therapies (see section 5.1)

Based on DAPA-HF study, dapagliflozin is not recommended for patients with acute decompensated heart failure, symptomatic hypotension or systolic BP < 95 mmHg, type 1 diabetes mellitus, or severe renal impairment (GFR < 30 mL/min).

Chronic kidney disease

The recommended dose is 10 mg dapagliflozin once daily.

In the DAPA-CKD study, dapagliflozin was administered in conjunction with other chronic kidney disease therapies (see section 5.1).

Special populations

Treatment of diabetes mellitus in patients with renal impairment

As glycaemic efficacy is dependent on renal function, Forxiga should not be initiated to improve glycaemic control in patients with a glomerular filtration rate [GFR] < 60 mL/min and should be discontinued at GFR persistently below 45 mL/min (see sections 4.4, 4.8, 5.1 and 5.2).

No dosage adjustment is needed in patients with GFR $\geq$ 45 mL/min.

Treatment of heart failure in patients with renal impairment

No dose adjustment is required based on renal function (see section 4.4).

Dapagliflozin is not recommended in patients with severe renal impairment (GFR < 30 mL/min).

Treatment of chronic kidney disease in patients with renal impairment

No dose adjustment is required based on renal function (see section 4.4).

Due to limited experience, dapagliflozin is not recommended to be initiated in patients with severe renal impairment (GFR < 30 mL/min).

Hepatic impairment

No dosage adjustment is necessary for patients with mild or moderate hepatic impairment. In patients with severe hepatic impairment, a starting dose of 5 mg is recommended. If well tolerated, the dose may be increased to 10 mg (see sections 4.4 and 5.2).

Elderly ($\geq$ 65 years)

In general, no dosage adjustment is recommended based on age. Renal function and risk of volume depletion should be taken into account (see sections 4.4 and 5.2).

Paediatric population

The safety and efficacy of dapagliflozin in children aged 0 to < 18 years have not yet been established. No data are available.

Method of administration

Forxiga can be taken orally once daily at any time of day with or without food. Tablets are to be swallowed whole.

4.3 Contraindications

Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.

4.4 Special warnings and precautions for use

General

Forxiga should not be used in patients with type 1 diabetes mellitus or for the treatment of diabetic ketoacidosis.

Renal impairment

Treatment of diabetes mellitus

The glycaemic efficacy of dapagliflozin is dependent on renal function, and efficacy is reduced in patients who have moderate renal impairment and is likely absent in patients with severe renal impairment (see sections 4.2, 5.1 and 5.2). In subjects with moderate renal impairment (GFR < 60

mL/min), a higher proportion of subjects treated with dapagliflozin had adverse reactions of increase in creatinine, phosphorus, parathyroid hormone (PTH) and hypotension, compared with placebo.

To improve glycaemic control in the treatment of diabetes mellitus. Forxiga should not be initiated in patients with a GFR < 60 mL/min and should be discontinued at GFR persistently below 45 mL/min. Forxiga has not been studied for glycaemic control in patients with severe renal impairment (GFR < 30 mL/min) or end stage renal disease (ESRD).

Monitoring of renal function is recommended as follows:

- Prior to initiation of dapagliflozin and at least yearly, thereafter (see sections 4.2, 4.8, 5.1 and 5.2)
- Prior to initiation of concomitant medicinal products that may reduce renal function and periodically thereafter
- For renal function with GFR < 60 mL/min, at least 2 to 4 times per year.

Chronic kidney disease

There is no experience with dapagliflozin for the treatment of chronic kidney disease in patients without diabetes who do not have albuminuria.

Type 1 diabetes mellitus

Dapagliflozin has not been studied for the treatment of heart failure in patients with type 1 diabetes mellitus. Treatment of these patients with dapagliflozin is not recommended.

Treatment of heart failure

There is limited experience with dapagliflozin for the treatment of heart failure in patients with severe renal impairment (GFR < 30 mL/min).

Ketoacidosis

There have been reports of ketoacidosis (DKA), including diabetic ketoacidosis, in patients with type 2 diabetes mellitus taking Forxiga and other SGLT2 inhibitors. Forxiga is not indicated for the treatment of patients with type 1 diabetes mellitus.

Patients treated with Forxiga who present with signs and symptoms consistent with ketoacidosis, including nausea, vomiting, abdominal pain, malaise and shortness of breath, should be assessed for ketoacidosis, even if blood glucose levels are below 14 mmol/l (250 mg/dl). If ketoacidosis is suspected, discontinuation or temporary interruption of Forxiga should be considered and the patient should be promptly evaluated.

Predisposing factors to ketoacidosis include a low beta-cell function reserve resulting from pancreatic disorders (e.g., type 1 diabetes, history of pancreatitis or pancreatic surgery), insulin dose reduction, reduced caloric intake or increased insulin requirements due to infections, illness or surgery and alcohol abuse. Forxiga should be used with caution in these patients.

Urinary tract infections

Urinary glucose excretion may be associated with an increased risk of urinary tract infection; therefore, temporary interruption of dapagliflozin should be considered when treating pyelonephritis or urosepsis.

Use in patients with hepatic impairment

There is limited experience in clinical trials in patients with hepatic impairment. Dapagliflozin exposure is increased in patients with severe hepatic impairment (see sections 4.2 and 5.2).

Use in patients at risk for volume depletion and/or hypotension

Due to its mechanism of action, dapagliflozin increases diuresis which may lead to the modest decrease in blood pressure observed in clinical studies (see section 5.1), which may be more pronounced in patients with very high blood glucose concentrations.

Caution should be exercised in patients for whom a dapagliflozin induced drop in blood pressure could pose a risk, such as patients on anti hypertensive therapy with a history of hypotension or elderly patients.

For patients receiving dapagliflozin, In case of intercurrent conditions that may lead to volume depletion (e.g. gastrointestinal illness), careful monitoring of volume status (e.g. physical examination, blood pressure measurements, laboratory tests including electrolytes) is recommended. Temporary interruption of treatment with dapagliflozin is recommended for patients who develop volume depletion until the depletion is corrected (see section 4.8).

Elderly patients

Elderly patients may be at a greater risk for volume depletion and are more likely to be treated with diuretics.

Elderly patients are more likely to have impaired renal function, and/or to be treated with anti-hypertensive medicinal products that may cause changes in renal function such as angiotensin-converting enzyme inhibitors (ACE-I) and angiotensin II type 1 receptor blockers (ARB). The same recommendations for renal function apply to elderly patients as to all patients (see sections 4.2, 4.4, 4.8 and 5.1).

Cardiac failure

Experience with dapagliflozin in NYHA class IV is limited.

Chronic kidney disease

There is no experience with dapagliflozin for the treatment of chronic kidney disease in patients without diabetes who do not have albuminuria.

Elevated haematocrit

Haematocrit increase was observed with dapagliflozin treatment (see section 4.8); therefore, caution in patients with already elevated haematocrit is warranted.

Combinations not studied

Dapagliflozin has not been studied in combination with glucagon-like peptide 1 (GLP-1) analogues.

Urine laboratory assessments

Due to its mechanism of action, patients taking Forxiga will test positive for glucose in their urine.

Lactose

The tablets contain lactose anhydrous. Patients with rare hereditary problems of galactose intolerance, the total lactase deficiency, or glucose-galactose malabsorption should not take this medicinal product.

Use in patients with diabetes and cardiovascular disease

In two 24-week, placebo-controlled studies with 80-week extension periods, a total of 1887 patients with type 2 diabetes and cardiovascular disease (CVD) were treated with dapagliflozin 10 mg or placebo.^{1, 2} Patients with established CVD and inadequate glycemic control (HbA1c $\geq 7.0\%$ and $\leq 10.0\%$), despite pre-existing, stable treatment with oral antidiabetic therapy (OADs) or insulin (alone or in combination) prior to entry, were eligible for these studies and were stratified according to age (< 65 years or ≥ 65 years), insulin use (no or yes), and time from most recent qualifying cardiovascular event (> 1 year or < 1 year prior to enrollment). Across the 2 studies, 942 patients were treated with dapagliflozin 10 mg and 945 with placebo. Ninety-six percent (96%) of patients treated with dapagliflozin across the 2 studies had hypertension at entry, the majority for more than 10 years duration; the most common qualifying cardiovascular events were coronary heart disease (75%) or stroke (22%). Approximately 19% of patients received loop diuretics at entry and 15% had congestive heart failure (2% had NYHA Class III). Approximately 37% of patients treated with dapagliflozin 10 mg also received metformin plus one additional OAD at entry, (sulfonylurea, thiazolidinedione, DPP4-inhibitor,

or other OAD with or without insulin at entry) 38% received insulin plus at least one OAD, and 18% received insulin alone.^{3, 4, 5, 6}

Treatment with dapagliflozin 10 mg as add-on to pre-existing antidiabetic treatments over 24 weeks provided significant improvement in coprimary endpoints of HbA1c and composite clinical benefit compared with placebo in this population. Significant reductions in total body weight and seated systolic blood pressure were also seen (see **5.1.3 Clinical Trials Information – 5.1.3.4 Supportive studies**).^{7, 8} These benefits extended up to 104 weeks of treatment.^{9, 10, 11, 12} The safety profile of dapagliflozin in these studies was consistent with that of dapagliflozin in the general clinical study population through 104 weeks of treatment (see **Undesirable Effects – Clinical trials**).

4.5 Interaction with other medicinal products and other forms of interaction

Pharmacodynamic interactions

Diuretics

Dapagliflozin may add to the diuretic effect of thiazide and loop diuretics and may increase the risk of dehydration and hypotension (see section 4.4).

Insulin secretagogues

Insulin secretagogues, such as sulphonylureas, cause hypoglycaemia. Therefore, a lower dose of an insulin secretagogue may be required to reduce the risk of hypoglycaemia when used in combination with dapagliflozin (see sections 4.2 and 4.8).

Pharmacokinetic interactions

The metabolism of dapagliflozin is primarily via glucuronide conjugation mediated by UDP glucuronosyltransferase 1A9 (UGT1A9).

In *in vitro* studies, dapagliflozin neither inhibited cytochrome P450 (CYP) 1A2, CYP2A6, CYP2B6, CYP2C8, CYP2C9, CYP2C19, CYP2D6, CYP3A4, nor induced CYP1A2, CYP2B6 or CYP3A4. Therefore, dapagliflozin is not expected to alter the metabolic clearance of co-administered medicinal products that are metabolised by these enzymes.

Effect of other medicinal products on dapagliflozin

Interaction studies conducted in healthy subjects, using mainly a single dose design, suggest that the pharmacokinetics of dapagliflozin are not altered by metformin, pioglitazone, sitagliptin, glimepiride, voglibose, hydrochlorothiazide, bumetanide, valsartan, or simvastatin.

Following coadministration of dapagliflozin with rifampicin (an inducer of various active transporters and drug-metabolising enzymes) a 22% decrease in dapagliflozin systemic exposure (AUC) was observed, but with no clinically meaningful effect on 24-hour urinary glucose excretion. No dose adjustment is recommended. A clinically relevant effect with other inducers (e.g. carbamazepine, phenytoin, phenobarbital) is not expected.

Following coadministration of dapagliflozin with mefenamic acid (an inhibitor of UGT1A9), a 55% increase in dapagliflozin systemic exposure was seen, but with no clinically meaningful effect on 24-hour urinary glucose excretion. No dose adjustment is recommended.

Effect of dapagliflozin on other medicinal products

Dapagliflozin may increase renal lithium excretion and the blood lithium levels may be decreased. Serum concentration of lithium should be monitored more frequently after dapagliflozin initiation and dose changes. Please refer the patient to the lithium prescribing doctor in order to monitor serum concentration of lithium.

In interaction studies conducted in healthy subjects, using mainly a single-dose design, dapagliflozin did not alter the pharmacokinetics of metformin, pioglitazone, sitagliptin, glimepiride, hydrochlorothiazide, bumetanide, valsartan, digoxin (a P-gp substrate) or warfarin (S-warfarin, a CYP2C9 substrate), or the anticoagulatory effects of warfarin as measured by INR. Combination of a single dose of dapagliflozin 20 mg and simvastatin (a CYP3A4 substrate) resulted in a 19% increase in AUC of simvastatin and 31% increase in AUC of simvastatin acid. The increase in simvastatin and simvastatin acid exposures are not considered clinically relevant.

Other interactions

The effects of smoking, diet, herbal products and alcohol use on the pharmacokinetics of dapagliflozin have not been studied.

Interference with 1,5-anhydroglucitol (1,5-AG) Assay

Monitoring glycemic control with 1,5-AG assay is not recommended as measurements of 1,5-AG are unreliable in assessing glycemic control in patients taking SGLT2 inhibitors. Use of alternative methods to monitor glycaemic control is advised

Paediatric population

Interaction studies have only been performed in adults.

4.6 Fertility, pregnancy and lactation

Pregnancy

There are no data from the use of dapagliflozin in pregnant women. Studies in rats have shown toxicity to the developing kidney in the time period corresponding to the second and third trimesters of human pregnancy (see section 5.3). Therefore, the use of dapagliflozin is not recommended during the second and third trimesters of pregnancy.

When pregnancy is detected, treatment with dapagliflozin should be discontinued.

Breast-feeding

It is unknown whether dapagliflozin and/or its metabolites are excreted in human milk. Available pharmacodynamic/toxicological data in animals have shown excretion of dapagliflozin/metabolites in milk, as well as pharmacologically-mediated effects in nursing offspring (see section 5.3). A risk to the newborns/infants cannot be excluded. Dapagliflozin should not be used while breast-feeding.

Fertility

The effect of dapagliflozin on fertility in humans has not been studied. In male and female rats, dapagliflozin showed no effects on fertility at any dose tested.

4.7 Effects on ability to drive and use machines

Forxiga has no or negligible influence on the ability to drive and use machines. Patients should be alerted to the risk of hypoglycaemia when dapagliflozin is used in combination with a sulphonylurea.

4.8 Undesirable effects

Summary of the safety profile

In the clinical studies in type 2 diabetes, more than 15,000 patients have been treated with dapagliflozin.

The primary assessment of safety and tolerability was conducted in a pre-specified pooled analysis of 13 short-term (up to 24 weeks) placebo-controlled studies, with 2,360 subjects treated with dapagliflozin 10 mg and 2,295 treated with placebo.

In the dapagliflozin cardiovascular outcomes study in type 2 diabetes mellitus (DECLARE study, see section 5.1), 8,574 patients received dapagliflozin 10 mg and 8,569 received placebo for a median exposure time of 48 months. In total, there were 30,623 patient-years of exposure to dapagliflozin.

The most frequently reported adverse reactions across the clinical studies were genital infections.

Heart failure

In the dapagliflozin cardiovascular outcome study in patients with heart failure with reduced ejection fraction (DAPA-HF study), 2,368 patients were treated with dapagliflozin 10 mg and 2,368 patients with placebo for a median exposure time of 18 months. The patient population included patients with type 2 diabetes mellitus and without diabetes, and patients with $\text{eGFR} \geq 30 \text{ mL/min/1.73 m}^2$.

The overall safety profile of dapagliflozin in patients with heart failure was consistent with the known safety profile of dapagliflozin.

Chronic kidney disease

In the dapagliflozin renal outcome study in patients with chronic kidney disease (DAPA-CKD), 2,149 patients were treated with dapagliflozin 10 mg and 2,149 patients with placebo for a median exposure time of 27 months. The patient population included patients with type 2 diabetes mellitus and without diabetes, with $\text{eGFR} \geq 25$ to $\leq 75 \text{ mL/min/1.73 m}^2$, and albuminuria (urine albumin creatinine ratio [UACR] ≥ 200 and $\leq 5000 \text{ mg/g}$). Treatment was continued if eGFR fell to levels below $25 \text{ mL/min/1.73 m}^2$.

The overall safety profile of dapagliflozin in patients with chronic kidney disease was consistent with the known safety profile of dapagliflozin.

Tabulated list of adverse reactions

The following adverse reactions have been identified in the placebo-controlled clinical studies and postmarketing. None were found to be dose-related. Adverse reactions listed below are classified according to frequency and system organ class (SOC). Frequency categories are defined according to the following convention: very common ($\geq 1/10$), common ($\geq 1/100$ to $< 1/10$), uncommon ($\geq 1/1,000$ to $< 1/100$), rare ($\geq 1/10,000$ to $< 1/1,000$), very rare ($< 1/10,000$), not known (cannot be estimated from the available data).

Table 1. Adverse reactions in placebo-controlled studies^a and postmarketing experience

System organ class	Very common	Common[*]	Uncommon^{**}	Rare
<i>Infections and infestations</i>		Vulvovaginitis, balanitis and related genital infections ^{*,b,c} Urinary tract infection ^{*,b,d}	Fungal infection ^{**}	
<i>Metabolism and nutrition disorders</i>	Hypoglycaemia (when used with SU or insulin) ^b		Volume depletion ^{b,e} Thirst ^{**}	Diabetic ketoacidosis ^{b,i,j}
<i>Nervous system disorders</i>		Dizziness		
<i>Gastrointestinal disorders</i>			Constipation ^{**} Dry mouth ^{**}	
<i>Skin and subcutaneous tissue</i>		Rash ^k		

System organ class	Very common	Common [*]	Uncommon ^{**}	Rare
<i>disorders</i>				
<i>Musculoskeletal and connective tissue disorders</i>		Back pain [*]		
<i>Renal and urinary disorders</i>		Dysuria Polyuria ^{*,f}	Nocturia ^{**}	
<i>Reproductive system and breast disorders</i>			Vulvovaginal pruritus ^{**} Pruritus genital ^{1**}	
<i>Investigations</i>		Haematocrit increased ^g Creatinine renal clearance decreased during initial treatment ^b Dyslipidaemia ^h	Blood Creatinine increased during initial treatment ^b Blood urea increased ^{**} Weight decreased ^{**}	

^aThe table shows up to 24-week (short-term) data regardless of glycaemic rescue.

^bSee corresponding subsection below for additional information.

^cVulvovaginitis, balanitis and related genital infections includes, e.g. the predefined preferred terms: vulvovaginal mycotic infection, vaginal infection, balanitis, genital infection fungal, vulvovaginal candidiasis, vulvovaginitis, balanitis candida, genital candidiasis, genital infection, genital infection male, penile infection, vulvitis, vaginitis bacterial, vulval abscess.

^dUrinary tract infection includes the following preferred terms, listed in order of frequency reported: urinary tract infection, cystitis, Escherichia urinary tract infection, genitourinary tract infection, pyelonephritis, trigonitis, urethritis, kidney infection and prostatitis.

^eVolume depletion includes, e.g. the predefined preferred terms: dehydration, hypovolaemia, hypotension.

^fPolyuria includes the preferred terms: pollakiuria, polyuria, urine output increased.

^gMean changes from baseline in haematocrit were 2.30% for dapagliflozin 10 mg versus -0.33% for placebo. Haematocrit values >55% were reported in 1.3% of the subjects treated with dapagliflozin 10 mg versus 0.4% of placebo subjects.

^hMean percent change from baseline for dapagliflozin 10 mg versus placebo, respectively, was: total cholesterol 2.5% versus 0.0%; HDL cholesterol 6.0% versus 2.7%; LDL cholesterol 2.9% versus -1.0%; triglycerides -2.7% versus -0.7%.

ⁱSee section 4.4

^jReported in the cardiovascular outcomes study in patients with type 2 diabetes (DECLARE). Frequency is based on annual rate.

^kAdverse reaction was identified through postmarketing surveillance. Rash includes the following preferred terms, listed in order of frequency in clinical trials: rash, rash generalised, rash pruritic, rash macular, rash maculo-papular, rash pustular, rash vesicular, and rash erythematous. In active- and placebo-controlled clinical trials (dapagliflozin, N=5936, All control, N=3403), the frequency of rash was similar for dapagliflozin (1.4%) and all control (1.4%), respectively.

^{*}Reported in ≥ 2% of subjects and ≥ 1% more and at least 3 more subjects treated with dapagliflozin 10 mg compared to placebo.

^{**}Reported by the investigator as possibly related, probably related or related to study treatment and reported in ≥ 0.2% of subjects and ≥ 0.1% more and at least 3 more subjects treated with dapagliflozin 10 mg compared to placebo.

Additional adverse reactions in ≥5% of patients treated with dapagliflozin 10 mg, ≥1% more than patients in placebo/comparator and reported in at least three or more patients treated with dapagliflozin 10 mg, and regardless of relationship to dapagliflozin as reported by investigator, are described below by treatment regimen.

In add-on to metformin studies: headache (5.3% dapagliflozin 10 mg and 3.1% placebo)¹³

In an add-on to thiazolidinedione study: nasopharyngitis (7.9% dapagliflozin 10 mg and 3.6% placebo), diarrhea (6.4% dapagliflozin 10 mg and 4.3% placebo)

Description of selected adverse reactions

Hypoglycaemia

The frequency of hypoglycaemia depended on the type of background therapy used in each study the clinical studies in diabetes mellitus.

For studies of dapagliflozin as add-on to metformin, add-on to pioglitazone or as add-on to sitagliptin (with metformin or without metformin), the frequency of minor episodes of hypoglycaemia was similar (< 5%) between treatment groups, including placebo up to 102 weeks of treatment. Across all studies, major events of hypoglycaemia were uncommon and comparable between the groups treated with dapagliflozin or placebo. Studies with add-on sulphonylurea and add on insulin therapies had higher rates of hypoglycaemia (see section 4.5).

In an add-on to glimepiride study, at weeks 24 and 48, minor episodes of hypoglycaemia were reported more frequently in the group treated with dapagliflozin 10 mg plus glimepiride (6.0% and 7.9%, respectively) than in the placebo plus glimepiride group (2.1% and 2.1%, respectively).

In an add-on to metformin and a sulphonylurea study, up to 24 weeks, no episodes of major hypoglycaemia were reported. Minor episodes of hypoglycaemia were reported in 12.8% of subjects who received dapagliflozin 10 mg plus metformin and a sulphonylurea and in 3.7% of subjects who received placebo plus metformin and a sulphonylurea.

In an add-on to insulin study, episodes of major hypoglycaemia were reported in 0.5% and 1.0% of subjects treated with dapagliflozin 10 mg plus insulin at Weeks 24 and 104, respectively, and in 0.5% of subjects treated with placebo plus insulin groups at Weeks 24 and 104. At Weeks 24 and 104, minor episodes of hypoglycaemia were reported, respectively, in 40.3% and 53.1% of subjects who received dapagliflozin 10 mg plus insulin and in 34.0% and 41.6% of the subjects who received placebo plus insulin.

In the DECLARE study, no increased risk of major hypoglycaemia was observed with dapagliflozin therapy compared with placebo. Major events of hypoglycaemia were reported in 58 patients (0.7%) treated with dapagliflozin and 83 (1.0%) patients treated with placebo.

In the DAPA-HF study, major events of hypoglycaemia were reported in 4 (0.2%) patients in both the dapagliflozin and placebo treatment groups and observed only in patients with type 2 diabetes mellitus.

In the DAPA-CKD study, major events of hypoglycaemia were reported in 14 (0.7%) patients in the dapagliflozin group and 28 (1.3%) patients in the placebo group and observed only in patients with type 2 diabetes mellitus.

Volume depletion

Reactions related to volume depletion (including, reports of dehydration, hypovolaemia or hypotension) were reported in 1.1% and 0.7% of subjects who received dapagliflozin 10 mg and placebo, respectively; serious reactions occurred in < 0.2% of subjects balanced between dapagliflozin 10 mg and placebo (see section 4.4).

In the dapagliflozin DECLARE study, the numbers of patients with events suggestive of volume depletion were balanced between treatment groups: 213 (2.5%) and 207 (2.4%) in the dapagliflozin and placebo groups, respectively. Serious adverse events were reported in 81 (0.9%) and 70 (0.8%) in the dapagliflozin and placebo group, respectively. Events were generally balanced between treatment groups across subgroups of age, diuretic use, blood pressure and angiotensin-converting enzyme inhibitor/angiotensin receptor blocker use. In patients with eGFR < 60 mL/min/1.73 m² at baseline, there were 19 events of serious adverse events suggestive of volume depletion in the dapagliflozin group and 13 events in the placebo group.

In the DAPA-HF study, the numbers of patients with events suggestive of volume depletion were 170 (7.2%) in the dapagliflozin group and 153 (6.5%) in the placebo group. There were fewer patients with serious events of symptoms suggestive of volume depletion in the dapagliflozin group (23 [1.0%]) compared with the placebo group (38 [1.6%]). Results were similar irrespective of presence of diabetes at baseline and baseline eGFR.

In the DAPA-CKD study, the numbers of patients with events suggestive of volume depletion were 120 (5.6%) in the dapagliflozin group and 84 (3.9%) in the placebo group. There were 16 (0.7%) patients with serious events of symptoms suggestive of volume depletion in the dapagliflozin group and 15 (0.7%) patients in the placebo group.

Diabetic ketoacidosis in type 2 diabetes mellitus

In the DECLARE study, with a median exposure time of 48 months, events of DKA were reported in 27 patients in the dapagliflozin 10 mg group and 12 patients in the placebo group. The events occurred evenly distributed over the study period. Of the 27 patients with DKA events in the dapagliflozin group, 22 had concomitant insulin treatment at the time of the event. Precipitating factors for DKA were as expected in a type 2 diabetes mellitus population (see section 4.4).

In the DAPA-HF study, events of DKA were reported in 3 patients with type 2 diabetes mellitus in the dapagliflozin group and none in the placebo group.

In the DAPA-CKD study, events of DKA were not reported in any patient in the dapagliflozin group and in 2 patients with type 2 diabetes mellitus in the placebo group.

Vulvovaginitis, balanitis and related genital infections

In the 13-study safety pool, vulvovaginitis, balanitis and related genital infections were reported in 5.5% and 0.6% of subjects who received dapagliflozin 10 mg and placebo, respectively. Most infections were mild to moderate, and subjects responded to an initial course of standard treatment and rarely resulted in discontinuation from dapagliflozin treatment. These infections were more frequent in females (8.4% and 1.2% for dapagliflozin and placebo, respectively), and subjects with a prior history were more likely to have a recurrent infection.

In the DECLARE study, the numbers of patients with serious adverse events of genital infections were few and balanced: 2 patients in each of the dapagliflozin and placebo groups.

In the DAPA-HF study, no patient reported serious adverse events of genital infections in the dapagliflozin group and one in the placebo group. There were 7 (0.3%) patients with adverse events leading to discontinuations due to genital infections in the dapagliflozin group and none in the placebo group.

In the DAPA-CKD study, there were 3 (0.1%) patients with serious adverse events of genital infections in the dapagliflozin group and none in the placebo group. There were 3 (0.1%) patients with adverse events leading to discontinuation due to genital infections in the dapagliflozin group and none in the placebo group. Serious adverse events of genital infections or adverse events leading to discontinuation due to genital infections were not reported for any patients without diabetes.

Urinary tract infections

Urinary tract infections were more frequently reported for dapagliflozin 10 mg compared to placebo (4.7% versus 3.5%, respectively; see section 4.4). Most infections were mild to moderate, and subjects responded to an initial course of standard treatment and rarely resulted in discontinuation from dapagliflozin treatment. These infections were more frequent in females, and subjects with a prior history were more likely to have a recurrent infection.

In the dapagliflozin DECLARE study, serious events of urinary tract infections were reported less frequently for dapagliflozin 10 mg compared with placebo, 79 (0.9%) events versus 109 (1.3%) events, respectively.

In the DAPA-HF study, the numbers of patients with serious adverse events of urinary tract infections were 14 (0.6%) in the dapagliflozin group and 17 (0.7%) in the placebo group. There were 5 (0.2%) patients with adverse events leading to discontinuations due to urinary tract infections in each of the dapagliflozin and placebo groups.

In the DAPA-CKD study, the numbers of patients with serious adverse events of urinary tract infections were 29 (1.3%) in the dapagliflozin group and 18 (0.8%) in the placebo group. There were 8 (0.4%) patients with adverse events leading to discontinuations due to urinary tract infections in the dapagliflozin group and 3 (0.1%) in the placebo group. The numbers of patients without diabetes reporting serious adverse events of urinary tract infections or adverse events leading to discontinuation due to urinary tract infections were similar between treatment groups (6 [0.9%] versus 4 [0.6%] for serious adverse events, and 1 [0.1%] versus 0 for adverse events leading to discontinuation, in the dapagliflozin and placebo groups, respectively).

Increased creatinine

Adverse drug reactions related to increased creatinine were grouped (e.g. decreased renal creatinine clearance, renal impairment, increased blood creatinine and decreased glomerular filtration rate). In the 13-study safety pool, this grouping of reactions was reported in 3.2% and 1.8% of patients who received dapagliflozin 10 mg and placebo, respectively. In patients with normal renal function or mild renal impairment (baseline eGFR ≥ 60 mL/min/1.73m²) this grouping of reactions were reported in 1.3% and 0.8% of patients who received dapagliflozin 10 mg and placebo, respectively. These reactions were more common in patients with baseline eGFR ≥ 30 and < 60 mL/min/1.73m² (18.5% dapagliflozin 10 mg vs 9.3% placebo).

Further evaluation of patients who had renal-related adverse events showed that most had serum creatinine changes of ≤ 0.5 mg/dL from baseline. The increases in creatinine were generally transient during continuous treatment or reversible after discontinuation of treatment.

In the dapagliflozin cardiovascular outcomes study, including elderly patients and patients with renal impairment (eGFR less than 60 mL/min/1.73 m²), eGFR decreased over time in both treatment groups. At 1 year, mean eGFR was slightly lower, and at 4 years, mean eGFR was slightly higher in the dapagliflozin group compared with the placebo group.

In the DAPA-HF study, eGFR decreased over time in both the dapagliflozin group and the placebo group. The initial decrease in mean eGFR was -4.3 mL/min/1.73 m² in the dapagliflozin group and -1.1 mL/min/1.73 m² in the placebo group. At 20 months, change from baseline in eGFR was similar between the treatment groups: -5.3 mL/min/1.73 m² for dapagliflozin and -4.5 mL/min/1.73 m² for placebo.

In the DAPA-CKD study, eGFR decreased over time in both the dapagliflozin group and the placebo group. The initial (day 14) decrease in mean eGFR was -4.0 mL/min/1.73 m² in the dapagliflozin group and -0.8 mL/min/1.73 m² in the placebo group. At 28 months, change from baseline in eGFR was -7.4 mL/min/1.73 m² in the dapagliflozin group and -8.6 mL/min/1.73 m² in the placebo group.

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions.

4.9 Overdose

Dapagliflozin did not show any toxicity in healthy subjects at single oral doses up to 500 mg (50 times the maximum recommended human dose). These subjects had detectable glucose in the urine for a dose-related period of time (at least 5 days for the 500 mg dose), with no reports of dehydration, hypotension or electrolyte imbalance, and with no clinically meaningful effect on QTc interval. The incidence of hypoglycaemia was similar to placebo. In clinical studies where once-daily doses of up to 100 mg (10 times the maximum recommended human dose) were administered for 2 weeks in healthy subjects and type 2 diabetes subjects, the incidence of hypoglycaemia was slightly higher than placebo and was not dose-related. Rates of adverse events including dehydration or hypotension were similar to placebo, and there were no clinically meaningful dose-related changes in laboratory parameters, including serum electrolytes and biomarkers of renal function.

In the event of an overdose, appropriate supportive treatment should be initiated as dictated by the patient's clinical status. The removal of dapagliflozin by haemodialysis has not been studied.

5. PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Pharmacotherapeutic group: Drugs used in diabetes, sodium-glucose co-transporter 2 (SGLT2) inhibitors, ATC code: A10BK01

Mechanism of action

Dapagliflozin is a highly potent (K_i : 0.55 nM), selective and reversible inhibitor of sodium-glucose co-transporter 2 (SGLT2).

Inhibition of SGLT2 by dapagliflozin reduces reabsorption of glucose from the glomerular filtrate in the proximal renal tubule with a concomitant reduction in sodium reabsorption leading to urinary excretion of glucose and osmotic diuresis. Dapagliflozin therefore increases the delivery of sodium to the distal tubule which increases tubuloglomerular feedback and reduces intraglomerular pressure. This combined with osmotic diuresis leads to a reduction in volume overload, reduced blood pressure, and lower preload and afterload, which may have beneficial effects on cardiac remodelling and preserve renal function. Other effects include an increase in haematocrit and reduction in body weight. The cardiac and renal benefits of dapagliflozin are not solely dependent on the blood glucose-lowering effect and not limited to patients with diabetes as demonstrated in the DAPA-HF and DAPA-CKD studies.

The SGLT2 is selectively expressed in the kidney. Dapagliflozin improves both fasting and post-prandial plasma glucose levels by reducing renal glucose reabsorption leading to urinary glucose excretion. This glucose excretion (glucuretic effect) is observed after the first dose, is continuous over the 24-hour dosing interval and is sustained for the duration of treatment. The amount of glucose removed by the kidney through this mechanism is dependent upon the blood glucose concentration and GFR. Thus, in subject with normal blood glucose, dapagliflozin has a low propensity to cause hypoglycaemia. Dapagliflozin does not impair normal endogenous glucose production in response to hypoglycaemia. Dapagliflozin acts independently of insulin secretion and insulin action. Improvement in homeostasis model assessment for beta cell function (HOMA beta-cell) has been observed in clinical studies with dapagliflozin.

The SGLT2 is selectively expressed in the kidney. Dapagliflozin does not inhibit other glucose transporters important for glucose transport into peripheral tissues and is > 1,400 times more selective for SGLT2 versus SGLT1, the major transporter in the gut responsible for glucose absorption.

Pharmacodynamic effects

Increases in the amount of glucose excreted in the urine were observed in healthy subjects and in subjects with type 2 diabetes mellitus following the administration of dapagliflozin. Approximately 70 g of glucose was excreted in the urine per day (corresponding to 280 kcal/day) at a dapagliflozin dose of 10 mg/day in subjects with type 2 diabetes mellitus for 12 weeks. Evidence of sustained glucose excretion was seen in subjects with type 2 diabetes mellitus given dapagliflozin 10 mg/day for up to 2 years.

This urinary glucose excretion with dapagliflozin also results in osmotic diuresis and increases in urinary volume in subjects with type 2 diabetes mellitus. Urinary volume increases in subjects with type 2 diabetes mellitus treated with dapagliflozin 10 mg were sustained at 12 weeks and amounted to approximately 375 mL/day. The increase in urinary volume was associated with a small and transient increase in urinary sodium excretion that was not associated with changes in serum sodium concentrations.

Urinary uric acid excretion was also increased transiently (for 3-7 days) and accompanied by a sustained reduction in serum uric acid concentration. At 24 weeks, reductions in serum uric acid concentrations ranged from -48.3 to -18.3 micromoles/L (-0.87 to -0.33 mg/dL).

Clinical efficacy and safety

Fourteen double-blind, randomised, controlled clinical trials were conducted with 7056 subjects with type 2 diabetes to evaluate the glycaemic efficacy and safety of Forxiga; 4737 subjects in these studies were treated with dapagliflozin. Twelve studies had a treatment period of 24 weeks duration, 8 with long-term extensions ranging from 24 to 80 weeks (up to a total study duration of 104 weeks), and one study was 52 weeks in duration with long-term extensions of 52 and 104 weeks (total study duration of 208 weeks). Mean duration of diabetes ranged from 1.4 to 16.9 years. Fifty percent (50%) had mild renal impairment and 11% had moderate renal impairment. Fifty-one percent (51%) of the subjects were men, 84% were White, 8% were Asian, 4% were Black and 4% were of other racial groups. Eighty-one percent (81%) of the subjects had a body mass index (BMI) ≥ 27 . Furthermore, two 12-week, placebo-controlled studies were conducted in patients with inadequately controlled type 2 diabetes and hypertension.

A cardiovascular outcomes study (DECLARE) was conducted with dapagliflozin 10 mg compared with placebo in 17,160 patients with type 2 diabetes mellitus with or without established cardiovascular disease to evaluate the effect on cardiovascular and renal events.

Glycaemic control

Combination therapy

In a 52-week, active-controlled non-inferiority study (with 52- and 104-week extension periods), Forxiga was evaluated as add-on therapy to metformin compared with a sulphonylurea (glipizide) as add-on therapy to metformin in subjects with inadequate glycaemic control (HbA1c $> 6.5\%$ and $\leq 10\%$). The results showed a similar mean reduction in HbA1c from baseline to week 52, compared to glipizide, thus demonstrating non-inferiority (Table 2). At week 104, adjusted mean change from baseline in HbA1c was -0.32% for dapagliflozin and -0.14% for glipizide. At week 208, adjusted mean change from baseline in HbA1c was -0.10% for dapagliflozin and 0.20% for glipizide. At 52, 104 and 208 weeks, a significantly lower proportion of subjects in the group treated with dapagliflozin (3.5%, 4.3% and 5.0%, respectively) experienced at least one event of hypoglycaemia compared to the group treated with glipizide (40.8%, 47.0% and 50.0%, respectively). The proportion of subjects remaining in the study at week 104 and week 208 was 56.2% and 39.7% for the group treated with dapagliflozin and 50.0% and 34.6% for the group treated with glipizide.

Table 2. Results at week 52 (LOCF^a) in an active-controlled study comparing dapagliflozin to glipizide as add-on to metformin

Parameter	Dapagliflozin + metformin	Glipizide + metformin
N ^b	400	401
HbA1c (%)		
Baseline (mean)	7.69	7.74
Change from baseline ^c	-0.52	-0.52
Difference from glipizide + metformin ^c (95% CI)	0.00 ^d (-0.11, 0.11)	
Body weight (kg)		
Baseline (mean)	88.44	87.60
Change from baseline ^c	-3.22	1.44
Difference from glipizide + metformin ^c (95% CI)	-4.65* (-5.14, -4.17)	

^aLOCF: Last observation carried forward

^bRandomised and treated subjects with baseline and at least 1 post-baseline efficacy measurement

^cLeast squares mean adjusted for baseline value

^dNon-inferior to glipizide + metformin

*p-value < 0.0001

Dapagliflozin as an add-on with either metformin, glimepiride, metformin and a sulphonylurea, sitagliptin (with or without metformin), thiazolidinedione (pioglitazone) or insulin resulted in statistically significant reductions in HbA1c at 24 weeks compared with subjects receiving placebo (p < 0.0001; Table 3, Table 4 and Table 5).

The reductions in HbA1c observed at week 24 were sustained in add-on combination studies (glimepiride and insulin) with 48-week data (glimepiride) and up to 104-week data (insulin). At week 48 when added to sitagliptin (with or without metformin), the adjusted mean change from baseline for dapagliflozin 10 mg and placebo was -0.30% and 0.38%, respectively. For the add-on to metformin study, HbA1c reductions were sustained through week 102 (-0.78% and 0.02% adjusted mean change from baseline for 10 mg and placebo, respectively). At week 104 for insulin (with or without additional oral glucose-lowering medicinal products), the HbA1c reductions were -0.71% and -0.06% adjusted mean change from baseline for dapagliflozin 10 mg and placebo, respectively. At weeks 48 and 104, the insulin dose remained stable compared to baseline in subjects treated with dapagliflozin 10 mg at an average dose of 76 IU/day. In the placebo group there was a mean increase of 10.5 IU/day and 18.3 IU/day from baseline (mean average dose of 84 and 92 IU/day) at weeks 48 and 104, respectively. The proportion of subjects remaining in the study at week 104 was 72.4% for the group treated with dapagliflozin 10 mg and 54.8% for the placebo group.

Table 3. Results of 24-week (LOCF^a) placebo-controlled studies of dapagliflozin in add-on combination with metformin, or sitagliptin (with or without metformin).

	Add-on combination			
	Metformin ¹		DPP-4 inhibitor (sitagliptin ²) ± metformin ¹	
	Dapagliflozin 10 mg	Placebo	Dapagliflozin 10 mg	Placebo
N^b	135	137	223	224
HbA1c (%)				
Baseline (mean)	7.92	8.11	7.90	7.97
Change from baseline ^c	-0.84	-0.30	-0.45	0.04
Difference from placebo ^c	-0.54*		-0.48*	
(95% CI)	(-0.74, -0.34)		(-0.62, -0.34)	
Subjects (%) achieving: HbA1c < 7%				
Adjusted for baseline	40.6**	25.9		
Body weight (kg)				
Baseline (mean)	86.28	87.74	91.02	89.23
Change from baseline ^c	-2.86	-0.89	-2.14	-0.26
Difference from placebo ^c	-1.97*		-1.89*	
(95% CI)	(-2.63, -1.31)		(-2.37, -1.40)	

¹Metformin ≥ 1500 mg/day; ²sitagliptin 100 mg/day

^aLOCF: Last observation (prior to rescue for rescued subjects) carried forward

^bAll randomised subjects who took at least one dose of double-blind study medicinal product during the short-term double-blind period

^cLeast squares mean adjusted for baseline value

*p-value < 0.0001 versus placebo + oral glucose-lowering medicinal product

**p-value < 0.05 versus placebo + oral glucose-lowering medicinal product

Table 4. Results of 24-week placebo-controlled studies of dapagliflozin in add-on combination with sulphonylurea (glimepiride) or metformin and a sulphonylurea

	Add-on combination			
	Sulphonylurea (glimepiride ¹)		Sulphonylurea + metformin ²	
	Dapagliflozin 10 mg	Placebo	Dapagliflozin 10 mg	Placebo
N ^a	151	145	108	108
HbA1c (%)^b				
Baseline (mean)	8.07	8.15	8.08	8.24
Change from Baseline ^c	-0.82	-0.13	-0.86	-0.17
Difference from Placebo ^c (95% CI)	-0.68* (-0.86, -0.51)		-0.69* (-0.89, -0.49)	
Subjects (%) achieving: HbA1c < 7% (LOCF)^d				
Adjusted for baseline	31.7*	13.0	31.8*	11.1
Body weight (kg) (LOCF)^d				
Baseline (mean)	80.56	80.94	88.57	90.07
Change from Baseline ^c	-2.26	-0.72	-2.65	-0.58
Difference from Placebo ^c (95% CI)	-1.54* (-2.17, -0.92)		-2.07* (-2.79, -1.35)	

¹glimepiride 4 mg/day; ²Metformin (immediate- or extended-release formulations) ≥1500 mg/day plus maximum tolerated dose, which must be at least half maximum dose, of a sulphonylurea for at least 8 weeks prior to enrollment.

^aRandomized and treated patients with baseline and at least 1 post-baseline efficacy measurement

^bColumns 1 and 2, HbA1c analyzed using LOCF (see footnote d); Columns 3 and 4, HbA1c analyzed using LRM (see footnote e).

^cLeast squares mean adjusted for baseline value

^dLOCF: Last observation (prior to rescue for rescued subjects) carried forward

^eLRM: Longitudinal repeated measures analysis

*p-value < 0.0001 versus placebo + oral glucose-lowering medicinal product(s)

Table 5. Results at week 24 (LOCF^a) in a placebo-controlled study of dapagliflozin in combination with insulin (alone or with oral glucose-lowering medicinal products)

Parameter	Dapagliflozin 10 mg + insulin ± oral glucose-lowering medicinal products ²	Placebo + insulin ± oral glucose- lowering medicinal products ²
N ^b	194	193
HbA1c (%)		
Baseline (mean)	8.58	8.46
Change from baseline ^c	-0.90	-0.30
Difference from glipizide + metformin ^c (95% CI)	0.60* (-0.74, -0.45)	
Body weight (kg)		
Baseline (mean)	94.63	94.21
Change from baseline ^c	-1.67	0.02
Difference from glipizide + metformin ^c (95% CI)	-1.68* (-2.19, -1.18)	
Mean daily insulin dose (IU)¹		
Baseline (mean)	77.96	73.96
Change from baseline ^c	-1.16	5.08
Difference from placebo ^c (95% CI)	-6.23* (-8.84, -3.63)	
Subjects with mean daily insulin dose reduction of at least 10% (%)	19.7**	11.0

^a LOCF: Last observation (prior to or on the date of the first insulin up-titration, if needed) carried forward

^b All randomised subjects who took at least one dose of double-blind study medicinal product during the short-term double-blind period

^c Least squares mean adjusted for baseline value and presence of oral glucose-lowering medicinal product

* p-value < 0.0001 versus placebo + insulin ± oral glucose-lowering medicinal product

** p-value < 0.05 versus placebo + insulin ± oral glucose-lowering medicinal product

¹ Up-titration of insulin regimens (including short-acting, intermediate, and basal insulin) was only allowed if subjects met pre-defined FPG criteria.

² Fifty percent of subjects were on insulin monotherapy at baseline; 50% were on 1 or 2 oral glucose-lowering medicinal product(s) in addition to insulin: Of this latter group, 80% were on metformin alone, 12% were on metformin plus sulphonylurea therapy, and the rest were on other oral glucose-lowering medicinal products

Combination Therapy with a Thiazolidinedione

A total of 420 patients with type 2 diabetes with inadequate glycemic control (HbA1c ≥7% and ≤10.5%) participated in a 24-week, placebo-controlled study with a 24-week extension period to evaluate dapagliflozin in combination with pioglitazone (a thiazolidinedione) alone. Patients on a stable dose of pioglitazone of 45 mg/day (or 30 mg/day, if 45 mg/day was not tolerated) for 12 weeks were randomized after a 2-week lead-in period to 5 mg or 10 mg of dapagliflozin or placebo in addition to their current dose of pioglitazone. Dose titration of dapagliflozin or pioglitazone was not permitted during the study.¹⁴

In combination with pioglitazone, treatment with dapagliflozin 10 mg provided significant improvements in HbA1c, 2-hour PPG, FPG, the proportion of patients achieving HbA1c <7%, and a significant reduction in body weight compared with the placebo plus pioglitazone treatment groups (Table 6,) at Week 24.¹⁵ Treatment with dapagliflozin 10 mg plus pioglitazone also led to a significant reduction in waist circumference compared with the placebo plus pioglitazone group.¹⁶ At Week 48, adjusted mean change from baseline in HbA1c, FPG, and body weight were -1.21%, -33.1 mg/dL, and 0.69 kg, respectively, for patients treated with dapagliflozin 10 mg plus pioglitazone, and -0.54%, -13.1 mg/dL, and 2.99 kg for patients treated with placebo based on the longitudinal repeated measures analysis excluding data after rescue.¹⁷

The proportion of patients who were rescued or discontinued for lack of glycemic control (adjusted for baseline HbA1c) was higher in the placebo plus pioglitazone group (11.6%) than in the dapagliflozin 10 mg plus pioglitazone group (3.7%) at Week 24.¹⁸ By Week 48 (adjusted for baseline), more patients treated with placebo plus pioglitazone (33.8%) required rescue therapy than patients treated with dapagliflozin 10 mg plus pioglitazone (11.8%).¹⁹

Table 6: Results of 24-Week **Placebo**-Controlled Studies of dapagliflozin in Combination with Thiazolidinedione

Efficacy Parameter	Dapagliflozin 10 mg	Placebo
In Combination with Thiazolidinedione (Pioglitazone)		
Intent-to-Treat Population	N=140 [#]	N=139 [#]
HbA1c (%)*		
Baseline (mean)	8.37	8.34
Change from baseline (adjusted mean [‡])	−0.97	−0.42
Difference from placebo (adjusted mean [‡]) (95% CI)	−0.55 [§] (−0.78, −0.31)	
Percent of patients achieving HbA1c <7% adjusted for baseline	38.8%**	22.4%
FPG (mg/dL)*		
Baseline (mean)	164.9	160.7
Change from baseline (adjusted mean [‡])	−29.6	−5.5
Difference from placebo (adjusted mean [‡]) (95% CI)	−24.1 [§] (−32.2, −16.1)	
2-hour PPG*[¶] (mg/dL)		
Baseline (mean)	308.0	293.6
Change from baseline (adjusted mean [‡])	−67.5	−14.1
Difference from placebo (adjusted mean [‡]) (95% CI)	−53.3 [§] (−71.1, −35.6)	
Body Weight (kg)*		
Baseline (mean)	84.82	86.40
Change from baseline (adjusted mean [‡])	−0.14	1.64
Difference from placebo (adjusted mean [‡]) (95% CI)	−1.78 [§] (−2.55, −1.02)	

Efficacy Parameter	Dapagliflozin 10 mg	Placebo
Change from baseline in waist circumference (cm) (adjusted mean [‡])	-0.17**	1.38

Fasting plasma glucose

Treatment with dapagliflozin 10 mg as an add-on to either metformin, glimepiride, metformin and a sulphonylurea, sitagliptin (with or without metformin) or insulin resulted in statistically significant reductions in fasting plasma glucose (-1.90 to -1.20 mmol/l [-34.2 to -21.7 mg/dl]) compared to placebo (-0.33 to 0.21 mmol/l [-6.0 to 3.8 mg/dl]). This effect was observed at week 1 of treatment and maintained in studies extended through week 104.

In a dedicated study in diabetic patients with an eGFR ≥ 45 to < 60 mL/min/1.73 m², treatment with dapagliflozin demonstrated reductions in FPG at Week 24: -1.19 mmol/L (-21.46 mg/dL) compared to -0.27 mmol/L (-4.87 mg/dL) for placebo (p=0.001).

Post-prandial glucose

Treatment with dapagliflozin 10 mg as an add-on to glimepiride or add-on to pioglitazone resulted in statistically significant reductions in 2-hour post-prandial glucose at 24 weeks that were maintained up to week 48.

Treatment with dapagliflozin 10 mg as an add-on to sitagliptin (with or without metformin) resulted in reductions in 2-hour post-prandial glucose at 24 weeks that were maintained up to week 48.

Body weight

Dapagliflozin 10 mg as an add-on to metformin, glimepiride, metformin and a sulphonylurea, sitagliptin (with or without metformin), pioglitazone or insulin resulted in statistically significant body weight reduction at 24 weeks (p < 0.0001, Table 3). These effects were sustained in longer-term trials. At 48 weeks, the difference for dapagliflozin as add-on to sitagliptin (with or without metformin) compared with placebo was -2.22 kg. At 102 weeks, the difference for dapagliflozin as add-on to metformin compared with placebo, or as add-on to insulin compared with placebo was -2.14 and -2.88 kg respectively.

As an add-on therapy to metformin in an active-controlled non-inferiority study, dapagliflozin resulted in a statistically significant body weight reduction compared with glipizide of -4.65 kg at 52 weeks (p < 0.0001, Table 2) that was sustained at 104 and 208 weeks (-5.06 kg and -4.38 kg, respectively).

A 24-week study in 182 diabetic subjects using dual energy X-ray absorptiometry (DXA) to evaluate body composition demonstrated reductions with dapagliflozin 10 mg plus metformin compared with placebo plus metformin, respectively, in body weight and body fat mass as measured by DXA rather than lean tissue or fluid loss. Treatment with Forxiga plus metformin showed a numerical decrease in visceral adipose tissue compared with placebo plus metformin treatment in a magnetic resonance imaging substudy.

Blood pressure

In a pre-specified pooled analysis of 13 placebo-controlled studies, treatment with dapagliflozin 10 mg resulted in a systolic blood pressure change from baseline of -3.7 mmHg and diastolic blood pressure of -1.8 mmHg versus -0.5 mmHg systolic and -0.5 mmHg diastolic blood pressure for placebo group at week 24. Similar reductions were observed up to 104 weeks.

In two 12-week, placebo-controlled studies a total of 1,062 patients with inadequately controlled type 2 diabetes and hypertension (despite pre-existing stable treatment with an ACE-I or ARB in one study and an ACE-I or ARB plus one additional antihypertensive treatment in another study) were treated with dapagliflozin 10 mg or placebo. At week 12 for both studies, dapagliflozin 10 mg plus usual

antidiabetic treatment provided improvement in HbA1c and decreased the placebo-corrected systolic blood pressure on average by 3.1 and 4.3 mmHg, respectively.

In a dedicated study in diabetic patients with an eGFR ≥ 45 to < 60 mL/min/1.73 m², treatment with dapagliflozin demonstrated reductions in seated systolic blood pressure at week 24: -4.8 mmHg compared to -1.7 mmHg for placebo (p < 0.05).

Patients with renal impairment

Moderate renal impairment CKD 3A (eGFR ≥ 45 to < 60 mL/min/1.73 m²)

The efficacy of dapagliflozin was assessed in a dedicated study in diabetic patients with an eGFR ≥ 45 to < 60 mL/min/1.73 m² who had inadequate glycaemic control on usual care. Treatment with dapagliflozin resulted in reductions in HbA1c and body weight compared with placebo (Table 7).

Table 7. Results at week 24 of a placebo-controlled study of dapagliflozin in diabetic patients with an eGFR ≥ 45 to < 60 mL/min/1.73 m²

	Dapagliflozin ^a 10 mg	Placebo ^a
N ^b	159	161
HbA1c (%)		
Baseline (mean)	8.35	8.03
Change from baseline ^b	-0.37	-0.03
Difference from placebo ^b (95% CI)	-0.34* (-0.53, -0.15)	
Body weight (kg)		
Baseline (mean)	92.51	88.30
Percent change from baseline ^c	-3.42	-2.02
Difference in percent change from placebo ^c (95% CI)	-1.43* (-2.15, -0.69)	

^a Metformin or metformin hydrochloride were part of the usual care in 69.4% and 64.0% of the patients for the dapagliflozin and placebo groups, respectively.

^b Least squares mean adjusted for baseline value

^c Derived from least squares mean adjusted for baseline value

* p<0.001

Patients with baseline HbA1c $\geq 9\%$

In a pre-specified analysis of subjects with baseline HbA1c $\geq 9.0\%$, treatment with dapagliflozin 10 mg resulted in statistically significant reductions in HbA1c at week 24 as an add-on to metformin (adjusted mean change from baseline: -1.32% and -0.53% for dapagliflozin and placebo, respectively).

Cardiovascular and renal outcomes

Dapagliflozin Effect on Cardiovascular Events (DECLARE) was an international, multicentre, randomised, double-blind, placebo-controlled clinical study conducted to determine the effect of dapagliflozin compared with placebo on cardiovascular and renal outcomes when added to current background therapy. All patients had type 2 diabetes mellitus and either at least two additional cardiovascular risk factors (age ≥ 55 years in men or ≥ 60 years in women and one or more of dyslipidaemia, hypertension or current tobacco use) or established cardiovascular disease.

Of 17,160 randomized patients, 6,974 (40.6%) had established cardiovascular disease and 10,186 (59.4%) did not have established cardiovascular disease. 8,582 patients were randomised to dapagliflozin 10 mg and 8,578 to placebo and were followed for a median of 4.2 years.

The mean age of the study population was 63.9 years, 37.4% were female. In total, 22.4% had had diabetes for ≤ 5 years, mean duration of diabetes was 11.9 years. Mean HbA1c was 8.3% and mean BMI was 32.1 kg/m².

At baseline, 10.0% of patients had a history of heart failure. Mean eGFR was 85.2 mL/min/1.73 m², 7.4% of patients had eGFR < 60 mL/min/1.73 m², and 30.3% of patients had micro- or macroalbuminuria (UACR ≥ 30 to ≤ 300 mg/g or > 300 mg/g, respectively).

Most patients (98%) used one or more diabetic medications at baseline, 82.0% of the patients were being treated with metformin, 40.9% with insulin, 42.7% with a sulfonylurea.

The primary endpoints were time to first event of the composite of cardiovascular death, myocardial infarction or ischaemic stroke (MACE) and time to first event of the composite of hospitalisation for heart failure or cardiovascular death. The secondary endpoints were a renal composite endpoint and all-cause mortality.

Major adverse cardiovascular events

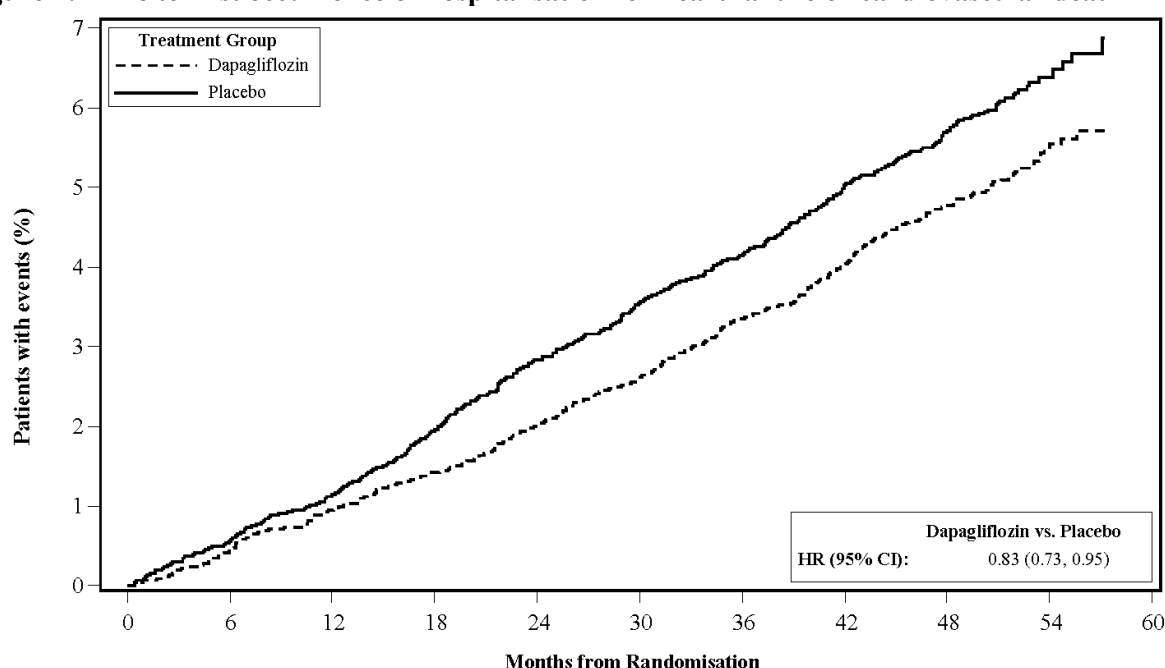
Dapagliflozin 10 mg demonstrated non-inferiority versus placebo for the composite of cardiovascular death, myocardial infarction or ischaemic stroke (one-sided $p < 0.001$).

Heart failure or cardiovascular death

Dapagliflozin 10 mg demonstrated superiority versus placebo in reducing the composite of hospitalisation for heart failure or cardiovascular death (Figure 1). The difference in treatment effect was driven by hospitalisation for heart failure, with no difference in cardiovascular death (Figure 2).

The treatment benefit of dapagliflozin over placebo was observed both in patients with and without established cardiovascular disease, with and without heart failure at baseline, and was consistent across key subgroups, including age, gender, renal function (eGFR) and region.

Figure 1: Time to first occurrence of hospitalisation for heart failure or cardiovascular death



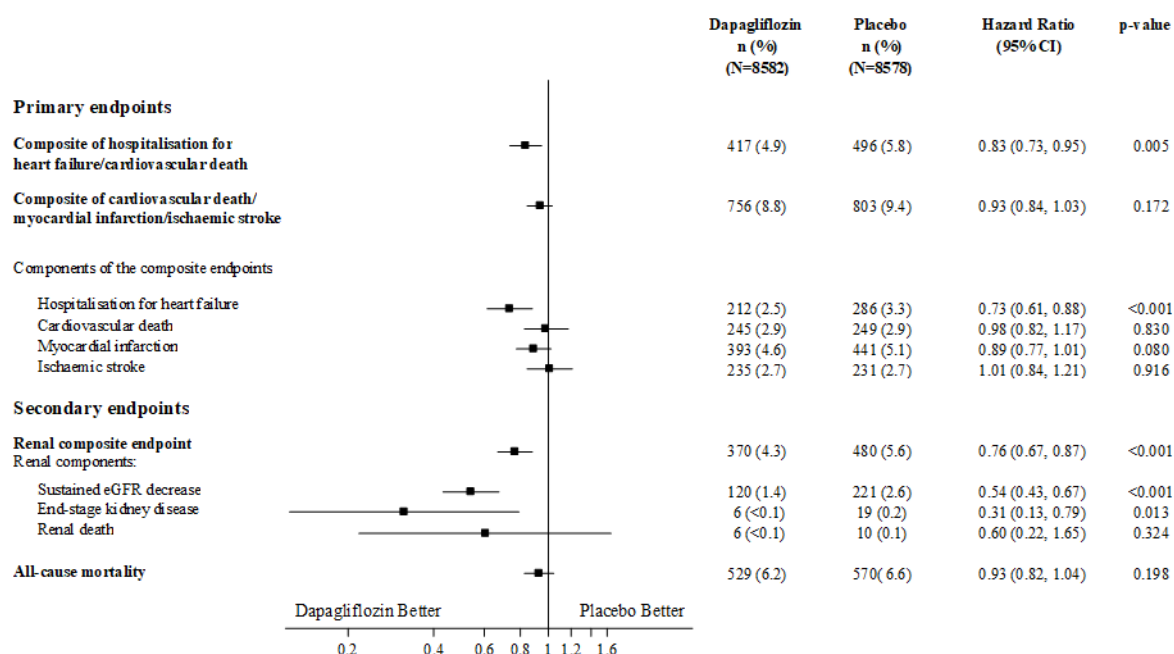
Patients at risk

Dapagliflozin:	8582	8517	8415	8322	8224	8110	7970	7497	5445	1626
Placebo:	8578	8485	8387	8259	8127	8003	7880	7367	5362	1573

Patients at risk is the number of patients at risk at the beginning of the period.
HR=Hazard ratio CI=Confidence interval.

Results on primary and secondary endpoints are displayed in Figure 2. Superiority of dapagliflozin over placebo was not demonstrated for MACE (p=0.172). The renal composite endpoint and all-cause mortality were therefore not tested as part of the confirmatory testing procedure.

Figure 2: Treatment effects for the primary composite endpoints and their components, and the secondary endpoints and components



Renal composite endpoint defined as: sustained confirmed $\geq 40\%$ decrease in eGFR to eGFR < 60 mL/min/1.73m² and/or end-stage kidney disease (dialysis ≥ 90 days or kidney transplantation, sustained confirmed eGFR < 15 mL/min/1.73m²) and/or renal or cardiovascular death.

p-values are two-sided p-values for primary endpoints and nominal p-values for secondary endpoints and all single components. Time to first event was analysed in a Cox proportional hazards model. The number of first events for the single components are the actual number of first events for each component and does not add up to the number of events in the composite endpoint.

CI=confidence interval.

Nephropathy

Dapagliflozin reduced the incidence of events of the composite of confirmed sustained eGFR decrease, end-stage kidney disease, renal or cardiovascular death. The difference between groups was driven by reductions in events of the renal components; sustained eGFR decrease, end-stage kidney disease and renal death (Figure 2).

The hazard ratio for time to nephropathy (sustained eGFR decrease, end-stage kidney disease and renal death) was 0.53 (95% CI 0.43, 0.66) for dapagliflozin versus placebo.

In addition, dapagliflozin reduced the new onset of sustained albuminuria (hazard ratio 0.79 [95% CI 0.72, 0.87]) and led to greater regression of macroalbuminuria (hazard ratio 1.82 [95% CI 1.51, 2.20]) compared with placebo.

Heart Failure

Dapagliflozin And Prevention of Adverse outcomes in Heart Failure (DAPA-HF) was an international, multicentre, randomised, double-blind, placebo-controlled study in patients with heart failure (New York Heart Association [NYHA] functional class II-IV) with reduced ejection fraction (left ventricular ejection fraction [LVEF] $\leq 40\%$) to determine the effect of dapagliflozin compared with placebo, when added to background standard of care therapy, on the incidence of cardiovascular death and worsening heart failure.

Of 4,744 patients, 2,373 were randomised to dapagliflozin 10 mg and 2,371 to placebo and followed for a median of 18 months. The mean age of the study population was 66 years, 77% were male.

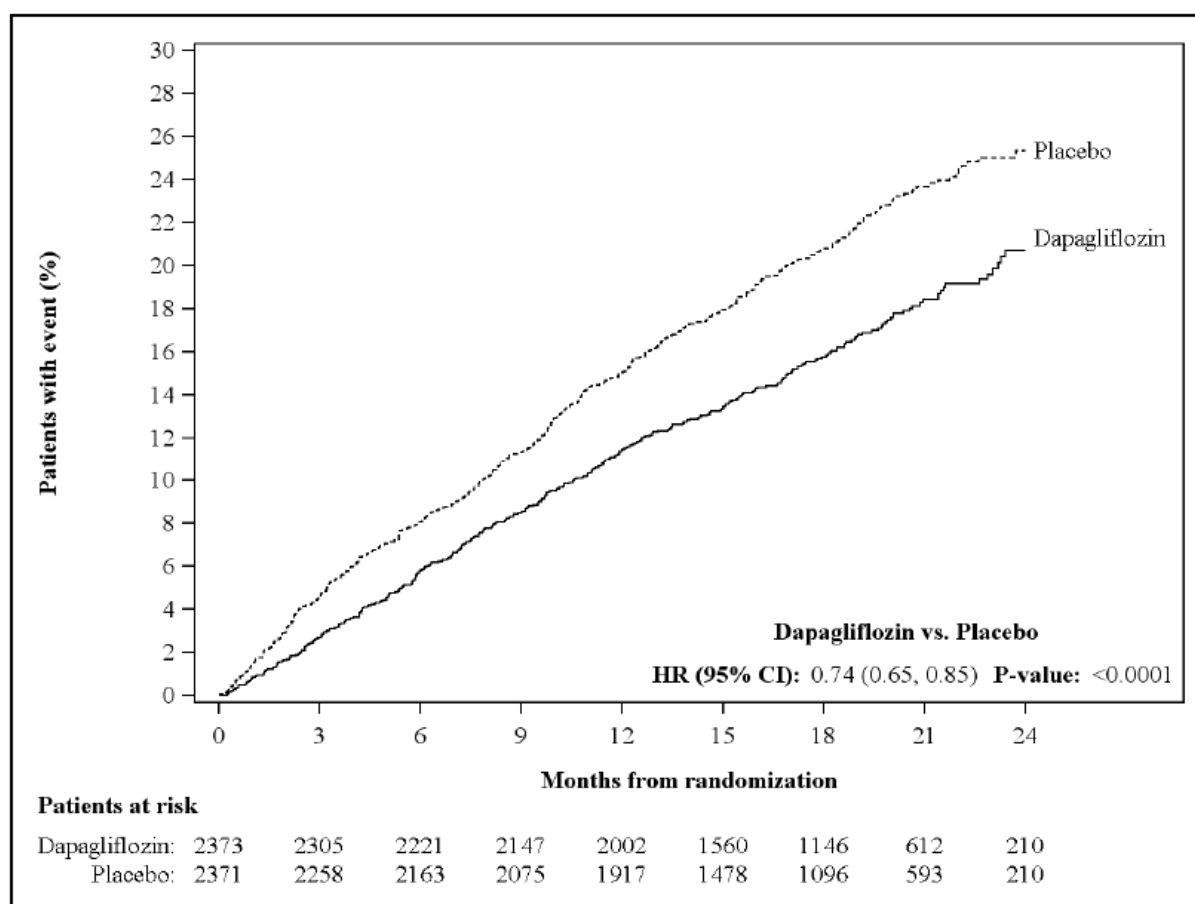
At baseline, 67.5% of the patients were classified as NYHA class II, 31.6% class III and 0.9% class IV, median LVEF was 32%, 56% of the heart failures were ischaemic, 36% were non-ischaemic and 8% were of unknown aetiology. In each treatment group, 42% of the patients had a history of type 2 diabetes mellitus, and an additional 3% of the patients in each group were classified as having type 2 diabetes mellitus based on a HbA1c $\geq 6.5\%$ at both enrolment and randomisation. Patients were on standard of care therapy; 94% of patients were treated with ACE-I, ARB or angiotensin receptor neprilysin inhibitor (ARNI, 11%), 96% with beta-blocker, 71% with mineralocorticoid receptor antagonist (MRA), 93% with diuretic and 26% had an implantable device (with defibrillator function).

Patients with eGFR ≥ 30 mL/min/1.73 m² at enrolment were included in the study. The mean eGFR was 66 mL/min/1.73 m², 41% of patients had eGFR < 60 mL/min/1.73 m² and 15% had eGFR < 45 mL/min/1.73 m².

Cardiovascular death and worsening heart failure

Dapagliflozin was superior to placebo in preventing the primary composite endpoint of cardiovascular death, hospitalisation for heart failure or urgent heart failure visit (HR 0.74 [95% CI 0.65, 0.85], $p < 0.0001$). The effect was observed early and was sustained throughout the duration of the study (Figure 3).

Figure 3: Time to first occurrence of the composite hospitalization of cardiovascular death, hospitalization for heart failure or urgent heart failure visit

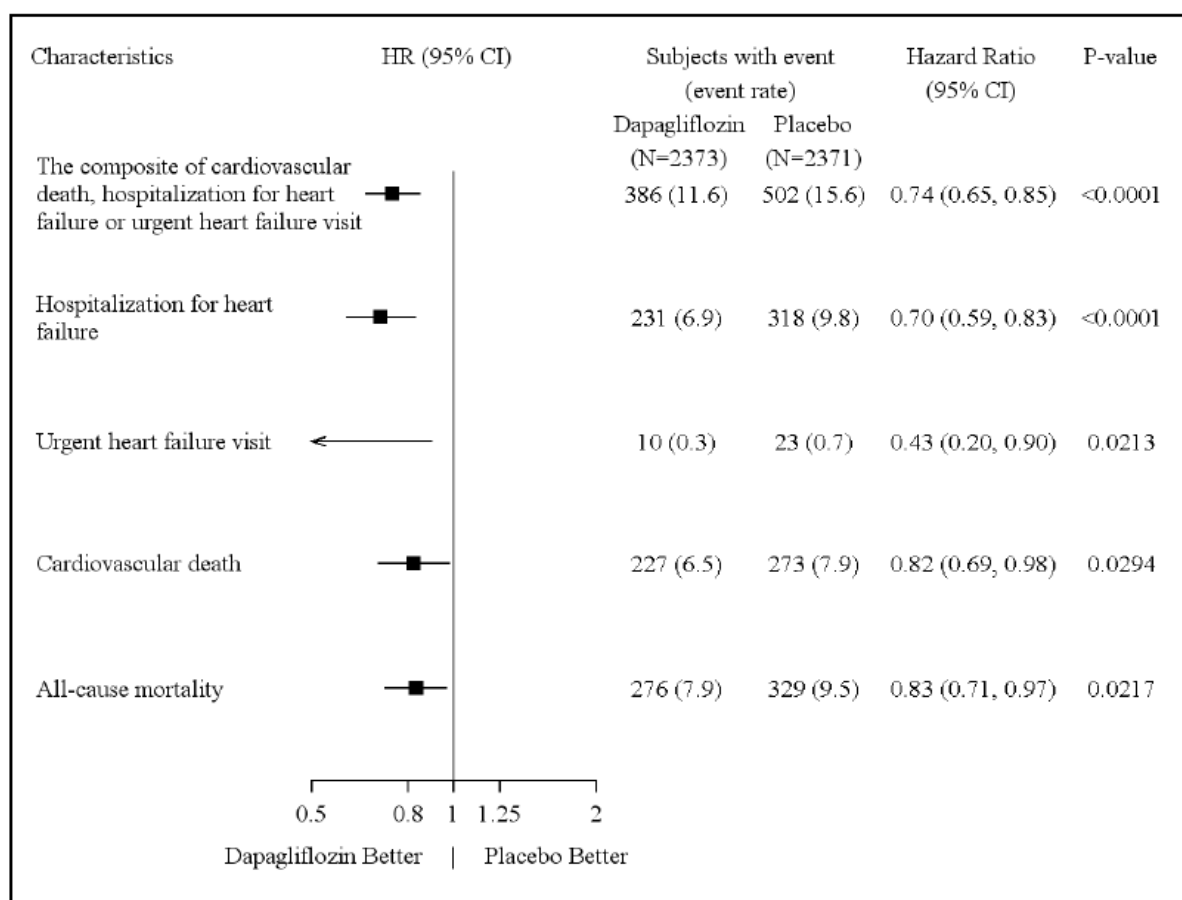


An urgent heart failure visit was defined as an urgent, unplanned, assessment by a physician, e.g. in an Emergency Department, and requiring treatment for worsening heart failure (other than just an increase in oral diuretics).

Patients at risk is the number of patients at risk at the beginning of the period.

All three components of the primary composite endpoint individually contributed to the treatment effect (Figure 4). There were few urgent heart failure visits.

Figure 4: Treatment effects for the primary composite endpoint, its components and all-cause mortality



An urgent heart failure visit was defined as an urgent, unplanned, assessment by a physician, e.g. in an Emergency Department, and requiring treatment for worsening heart failure (other than just an increase in oral diuretics). The number of first events for the single components are the actual number of first events for each component and does not add up to the number of events in the composite endpoint.

Event rates are presented as the number of subjects with event per 100 patient years of follow-up.

p-values for single components and all-cause mortality are nominal.

Dapagliflozin also reduced the total number of events of hospitalizations for heart failure (first and recurrent) and cardiovascular death; there were 567 events in the Forxiga group versus 742 events in the placebo group (Rate Ratio 0.75 [95% CI 0.65, 0.88]; p=0.0002).

The treatment benefit of dapagliflozin was observed in heart failure patients both with type 2 diabetes mellitus and without diabetes. Dapagliflozin reduced the primary composite endpoint of incidence of cardiovascular death and worsening heart failure with a HR of 0.75 (95% CI 0.63, 0.90) in patients with diabetes and 0.73 (95% CI 0.60, 0.88) in patients without diabetes.

The treatment benefit of dapagliflozin over placebo on the primary endpoint was also consistent across other key subgroups, including concomitant heart failure therapy, renal function (eGFR), age, gender, and region.

Patient reported outcome – heart failure symptoms

The treatment effect of dapagliflozin on heart failure symptoms was assessed by the Total Symptom Score of the Kansas City Cardiomyopathy Questionnaire (KCCQ-TSS), which quantifies heart failure symptom frequency and severity, including fatigue, peripheral oedema, dyspnoea and orthopnoea. The score ranges from 0 to 100, with higher scores representing better health status.

Treatment with dapagliflozin resulted in a statistically significant and clinically meaningful benefit over placebo in heart failure symptoms, as measured by change from baseline at Month 8 in the KCCQ-TSS, (Win Ratio 1.18 [95% CI 1.11, 1.26]; $p < 0.0001$). Both symptom frequency and symptom burden contributed to the results. Benefit was seen both in improving heart failure symptoms and in preventing deterioration of heart failure symptoms.

In responder analyses, the proportion of patients with a clinically meaningful improvement on the KCCQ-TSS from baseline at 8 months, defined as 5 points or more, was higher for the dapagliflozin treatment group compared with placebo. The proportion of patients with a clinically meaningful deterioration, defined as 5 points or more, was lower for the dapagliflozin treatment group compared to placebo. The benefits observed with dapagliflozin remained when applying more conservative cut offs for larger clinically meaningful change (Table 8).

Table 8: Number and percent of patients with clinically meaningful improvement and deterioration on the KCCQ-TSS at 8 months

Change from baseline at 8 months: ^c	Dapagliflozin 10 mg n ^a =2086	Placebo n ^a =2062		
<i>Improvement</i>	n (%) improved ^b	n (%) improved ^b	Odds ratio ^e (95% CI)	p-value ^f
≥ 5 points	933 (44.7)	794 (38.5)	1.14 (1.06, 1.22)	0.0002
≥ 10 points	689 (33.0)	579 (28.1)	1.13 (1.05, 1.22)	0.0018
≥ 15 points	474 (22.7)	406 (19.7)	1.10 (1.01, 1.19)	0.0300
<i>Deterioration</i>	n (%) deteriorated ^d	n (%) deteriorated ^d	Odds ratio ^e (95% CI)	p-value ^f
≥ 5 points	537 (25.7)	693 (33.6)	0.84 (0.78, 0.89)	<0.0001
≥ 10 points	395 (18.9)	506 (24.5)	0.85 (0.79, 0.92)	<0.0001

^a Number of patients with an observed KCCQ-TSS or who died prior to 8 months.

^b Number of patients who had an observed improvement of at least 5, 10 or 15 points from baseline. Patients who died prior to the given timepoint are counted as not improved.

^c For improvement, an odds ratio > 1 favours dapagliflozin 10 mg.

^d Number of patients who had an observed deterioration of at least 5 or 10 points from baseline. Patients who died prior to the given timepoint are counted as deteriorated.

^e For deterioration, an odds ratio < 1 favours dapagliflozin 10 mg.

^f p-values are nominal.

Nephropathy

There were few events of the renal composite endpoint (confirmed sustained ≥ 50% eGFR decrease, ESKD, or renal death); the incidence was 1.2% in the dapagliflozin group and 1.6% in the placebo group.

Chronic kidney disease

The Study to Evaluate the Effect of Dapagliflozin on Renal Outcomes and Cardiovascular Mortality in Patients with Chronic Kidney Disease (DAPA-CKD) was an international, multicentre, randomised, double-blind, placebo-controlled study in patients with chronic kidney disease (CKD) with eGFR ≥ 25 to ≤ 75 mL/min/1.73 m² and albuminuria (UACR ≥ 200 and ≤ 5000 mg/g) to determine the effect of dapagliflozin compared with placebo, when added to background standard of care therapy, on the incidence of the composite endpoint of ≥ 50% sustained decline in eGFR, end-stage kidney disease

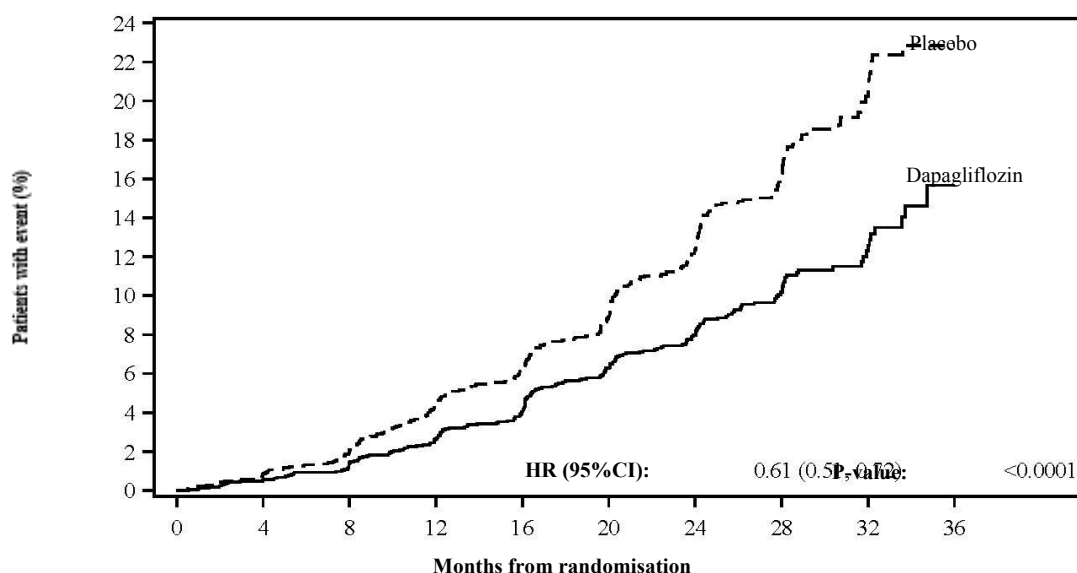
(ESKD) (defined as sustained eGFR < 15 mL/min/1.73 m², chronic dialysis treatment or receiving a renal transplant), cardiovascular or renal death.

Of 4,304 patients, 2,152 were randomised to dapagliflozin 10 mg and 2,152 to placebo and followed for a median of 28.5 months. Treatment was continued if eGFR fell to levels below 25 mL/min/1.73 m² during the study and could be continued in cases when dialysis was needed.

The mean age of the study population was 61.8 years, 66.9% were male. At baseline, mean eGFR was 43.1 mL/min/1.73 m² and median UACR was 949.3 mg/g, 44.1% of patients had eGFR 30 to < 45 mL/min/1.73 m² and 14.5% had eGFR < 30 mL/min/1.73 m². 67.5% of the patients had type 2 diabetes mellitus. Patients were on standard of care (SOC) therapy; 97.0% of patients were treated with an angiotensin-converting enzyme inhibitor (ACEi) or angiotensin receptor blocker (ARB).

The study was stopped early for efficacy prior to the planned analysis based on a recommendation by the independent Data Monitoring Committee. Dapagliflozin was superior to placebo in preventing the primary composite endpoint of $\geq 50\%$ sustained decline in eGFR, reaching end-stage kidney disease, cardiovascular or renal death. Based on the Kaplan-Meier plot for the time to first occurrence of the primary composite endpoint, the treatment effect was evident beginning at 4 months and was maintained through the end of study (Figure 5).

Figure 5: Time to first occurrence of the primary composite endpoint, $\geq 50\%$ sustained decline in eGFR, end-stage kidney disease, cardiovascular or renal death

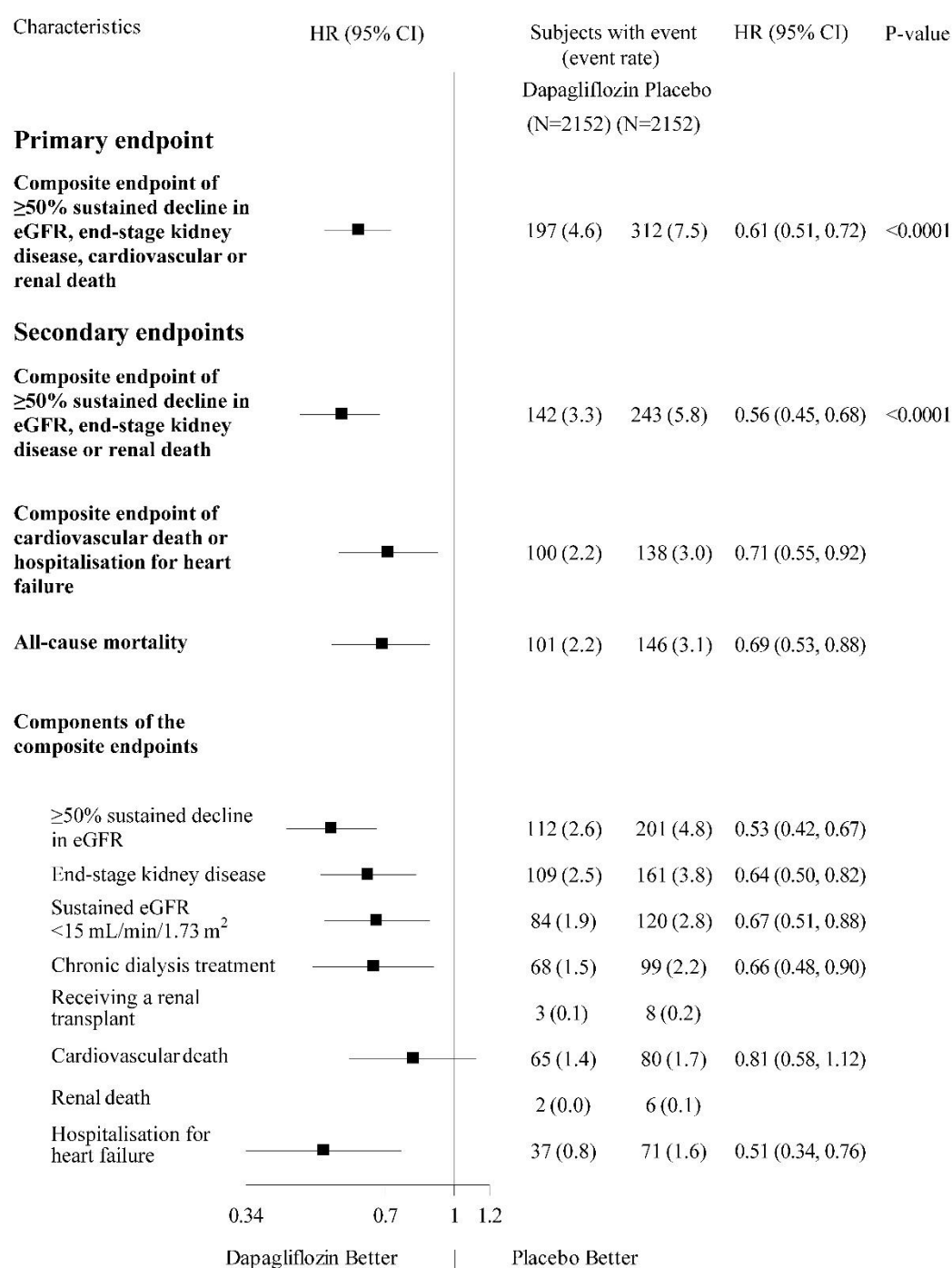


Patients at risk										
Dapagliflozin:	2152	2001	1955	1898	1841	1701	1288	831	309	31
Placebo:	2152	1993	1936	1858	1791	1664	1232	774	270	24

Patients at risk is the number of patients at risk at the beginning of the period.

All four components of the primary composite endpoint individually contributed to the treatment effect. Dapagliflozin also reduced the incidence of the composite endpoint of $\geq 50\%$ sustained decline in eGFR, end-stage kidney disease or renal death and the composite endpoint of cardiovascular death and hospitalisation for heart failure. Treatment with dapagliflozin improved overall survival in chronic kidney disease patients with a significant reduction in all-cause mortality (Figure 6).

Figure 6: Treatment effects for the primary and secondary composite endpoints, their individual components, and all-cause mortality



The number of first events for the single components are the actual number of first events for each component and does not add up to the number of events in the composite endpoint.

Event rates are presented as the number of subjects with event per 100 patient years of follow-up.

Hazard ratio estimates are not presented for subgroups with less than 15 events in total, both arms combined.

The treatment benefit of dapagliflozin was consistent in chronic kidney disease patients with type 2 diabetes mellitus and without diabetes. Dapagliflozin reduced the primary composite endpoint of $\geq 50\%$ sustained decline in eGFR, reaching end-stage kidney disease, cardiovascular or renal death with a HR of 0.64 (95% CI 0.52, 0.79) in patients with type 2 diabetes mellitus and 0.50 (95% CI 0.35, 0.72) in patients without diabetes.

The treatment benefit of dapagliflozin over placebo on the primary endpoint was also consistent across other key subgroups, including eGFR, age, gender, and region.

5.2 Pharmacokinetic properties

Absorption

Dapagliflozin was rapidly and well absorbed after oral administration. Maximum dapagliflozin plasma concentrations ($C_{\max}$) were usually attained within 2 hours after administration in the fasted state. Geometric mean steady-state dapagliflozin $C_{\max}$ and AUC_{τ} values following once daily 10 mg doses of dapagliflozin were 158 ng/mL and 628 ng h/mL, respectively. The absolute oral bioavailability of dapagliflozin following the administration of a 10 mg dose is 78%. Administration with a high-fat meal decreased dapagliflozin $C_{\max}$ by up to 50% and prolonged $T_{\max}$ by approximately 1 hour, but did not alter AUC as compared with the fasted state. These changes are not considered to be clinically meaningful. Hence, Forxiga can be administered with or without food.

Distribution

Dapagliflozin is approximately 91% protein bound. Protein binding was not altered in various disease states (e.g. renal or hepatic impairment). The mean steady-state volume of distribution of dapagliflozin was 118 l.

Biotransformation

Dapagliflozin is extensively metabolised, primarily to yield dapagliflozin 3-O-glucuronide, which is an inactive metabolite. Dapagliflozin 3-O-glucuronide or other metabolites do not contribute to the glucose-lowering effects. The formation of dapagliflozin 3-O-glucuronide is mediated by UGT1A9, an enzyme present in the liver and kidney, and CYP-mediated metabolism was a minor clearance pathway in humans.

Elimination

The mean plasma terminal half-life ($t_{1/2}$) for dapagliflozin was 12.9 hours following a single oral dose of dapagliflozin 10 mg to healthy subjects. The mean total systemic clearance of dapagliflozin administered intravenously was 207 mL/min. Dapagliflozin and related metabolites are primarily eliminated via urinary excretion with less than 2% as unchanged dapagliflozin. After administration of a 50 mg [14 C]-dapagliflozin dose, 96% was recovered, 75% in urine and 21% in faeces. In faeces, approximately 15% of the dose was excreted as parent drug.

Linearity

Dapagliflozin exposure increased proportional to the increment in dapagliflozin dose over the range of 0.1 to 500 mg and its pharmacokinetics did not change with time upon repeated daily dosing for up to 24 weeks.

Special populations

Renal impairment

At steady-state (20 mg once-daily dapagliflozin for 7 days), subjects with type 2 diabetes mellitus and mild, moderate or severe renal impairment (as determined by iothexol plasma clearance) had mean systemic exposures of dapagliflozin of 32%, 60% and 87% higher, respectively, than those of subjects with type 2 diabetes mellitus and normal renal function. The steady-state 24-hour urinary glucose excretion was highly dependent on renal function and 85, 52, 18 and 11 g of glucose/day was excreted by subjects with type 2 diabetes mellitus and normal renal function or mild, moderate or severe renal impairment, respectively. The impact of hemodialysis on dapagliflozin exposure is not known. The effect of reduced renal function on systemic exposure was evaluated in a population pharmacokinetic model. Consistent with previous results, model predicted AUC was higher in patients with chronic kidney disease compared with patients with normal renal function and was not meaningfully different in chronic kidney disease patients with type 2 diabetes mellitus and without diabetes.

Hepatic impairment

In subjects with mild or moderate hepatic impairment (Child-Pugh classes A and B), mean C_{max} and AUC of dapagliflozin were up to 12% and 36% higher, respectively, compared to healthy matched control subjects. These differences were not considered to be clinically meaningful. In subjects with severe hepatic impairment (Child-Pugh class C) mean C_{max} and AUC of dapagliflozin were 40% and 67% higher than matched healthy controls, respectively.

Elderly patients (≥ 65 years)

There is no clinically meaningful increase in exposure based on age alone in subjects up to 70 years old. However, an increased exposure due to age-related decrease in renal function can be expected. There are insufficient data to draw conclusions regarding exposure in patients > 70 years old.

Paediatric population

Pharmacokinetics in the paediatric population have not been studied.

Gender

The mean dapagliflozin AUC_{ss} in females was estimated to be about 22% higher than in males.

Race

There were no clinically relevant differences in systemic exposures between White, Black or Asian races.

Body weight

Dapagliflozin exposure was found to decrease with increased weight. Consequently, low-weight patients may have somewhat increased exposure and patients with high weight somewhat decreased exposure. However, the differences in exposure were not considered clinically meaningful.

5.3 Preclinical safety data

Non-clinical data reveal no special hazard for humans based on conventional studies of safety pharmacology, repeated dose toxicity, genotoxicity, carcinogenic potential and fertility. Dapagliflozin did not induce tumours in either mice or rats at any of the doses evaluated in two-year carcinogenicity studies.

Reproductive and developmental toxicity

Direct administration of dapagliflozin to weanling juvenile rats and indirect exposure during late pregnancy (time periods corresponding to the second and third trimesters of pregnancy with respect to human renal maturation) and lactation are each associated with increased incidence and/or severity of renal pelvic and tubular dilatations in progeny.

In a juvenile toxicity study, when dapagliflozin was dosed directly to young rats from postnatal day 21 until postnatal day 90, renal pelvic and tubular dilatations were reported at all dose levels; pup exposures at the lowest dose tested were ≥ 15 times the maximum recommended human dose. These findings were associated with dose-related increases in kidney weight and macroscopic kidney enlargement observed at all doses. The renal pelvic and tubular dilatations observed in juvenile animals did not fully reverse within the approximate 1-month recovery period.

In a separate study of pre- and postnatal development, maternal rats were dosed from gestation day 6 through postnatal day 21, and pups were indirectly exposed *in utero* and throughout lactation. (A satellite study was conducted to assess dapagliflozin exposures in milk and pups.) Increased incidence or severity of renal pelvic dilatation was observed in adult offspring of treated dams, although only at the highest dose tested (associated maternal and pup dapagliflozin exposures were 1,415 times and 137 times, respectively, the human values at the maximum recommended human dose). Additional developmental toxicity was limited to dose-related reductions in pup body weights, and observed only at doses ≥ 15 mg/kg/day (associated with pup exposures that are ≥ 29 times the human values at the maximum recommended human dose). Maternal toxicity was evident only at the highest dose tested,

and limited to transient reductions in body weight and food consumption at dose. The no observed adverse effect level (NOAEL) for developmental toxicity, the lowest dose tested, is associated with a maternal systemic exposure multiple that is approximately 19 times the human value at the maximum recommended human dose.

In additional studies of embryo-foetal development in rats and rabbits, dapagliflozin was administered for intervals coinciding with the major periods of organogenesis in each species. Neither maternal nor developmental toxicities were observed in rabbits at any dose tested; the highest dose tested is associated with a systemic exposure multiple of approximately 1,191 times the maximum recommended human dose. In rats, dapagliflozin was neither embryo-lethal nor teratogenic at exposures up to 1,441 times the maximum recommended human dose.

6. PHARMACEUTICAL PARTICULARS

6.1 List of excipients

Tablet core

Microcrystalline cellulose (E460i)

Lactose, anhydrous

Crospovidone (E1201)

Silicon dioxide (E551)

Magnesium stearate (E470b)

Film-coating

Polyvinyl alcohol (E1203)

Titanium dioxide (E171)

Macrogol 3350

Talc (E553b)

Iron oxide yellow (E172)

6.2 Incompatibilities

Not applicable.

6.3 Shelf life

3 years

6.4 Special precautions for storage

Store below 30° C

6.5 Nature and contents of container

Alu/Alu blister

Pack sizes of, 28 film-coated tablets in non-perforated calendar blisters

6.6 Special precautions for disposal

No special requirements.

7. MARKETING AUTHORISATION HOLDER

PT AstraZeneca Indonesia, Cikarang, Bekasi-Indonesia

8. MARKETING AUTHORISATION NUMBER(S)

5 mg Forxiga tablet: Box of 2 blisters @ 14 film-coated tablets

(Reg. No: DKI1735301317A1).

10 mg Forxiga tablet: Box of 2 blisters @ 14 film-coated tablets

(Reg. No: DKI1735301317B1).

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION

25 May 2015

10. DATE OF REVISION OF THE TEXT

26 October 2022

ANGEL : Doc ID-005010874

HARUS DENGAN RESEP DOKTER

Manufactured by AstraZeneca Pharmaceuticals LP, Indiana 47620, Mount Vernon, USA

Packaged & released by AstraZeneca Pharmaceuticals Co. Ltd., Wuxi, Jiangsu, China

Imported by PT AstraZeneca Indonesia, Cikarang, Bekasi – Indonesia

FORXIGA is a trademark of AstraZeneca group of companies.

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Proposed packaging material		
Code	Forxiga 5 mg & 10 mg (28s) FCT-PIL-02.01	
Submission	☐ NDA ☐ Renewal ☒ Variation change detail no.: MU-124412-154845	
Code of previous version	Forxiga 5 mg & 10 mg (28s) FCT-PIL-01.02	
Changes	Safety Update Lithium Dru-Drug Interaction	
Reference	☐ CDS version: ☐ CPIL version:	☒ SmPC country/version/date: EU SmPC ☐ GRL approval:
Name & Date	RM (26 October 2022)	

Informasi untuk Pasien
Forxiga™
Dapagliflozin
Tablet salut selaput 5 mg dan 10 mg

Bacalah seluruh isi leaflet ini dengan seksama sebelum Anda mulai menggunakan obat ini karena leaflet ini berisi hal-hal penting untuk Anda.

- Simpanlah leaflet ini. Anda mungkin perlu membacanya di kemudian hari
- Apabila Anda memiliki pertanyaan lebih lanjut, tanyakanlah dokter, apoteker, atau perawat Anda
- Obat ini telah diresepkan khusus untuk Anda. Dilarang memberikan obat ini untuk orang lain karena hal ini dapat membahayakan mereka, meskipun tanda dan gejala penyakit mereka sama dengan yang Anda alami.
- Apabila Anda mengalami efek samping, komunikasikanlah pada dokter atau apoteker Anda. Perhatikan pula kemungkinan efek samping yang tidak terdaftar dalam leaflet ini.

Informasi yang terkandung dalam leaflet ini:

1. Forxiga dan kegunaannya
2. Hal yang perlu Anda ketahui sebelum mengonsumsi Forxiga
3. Cara pemakaian Forxiga
4. Efek samping yang mungkin terjadi
5. Cara penyimpanan Forxiga
6. Isi kemasan dan informasi lain

1. Forxiga dan kegunaannya

Forxiga mengandung zat aktif dapagliflozin yang merupakan golongan obat antidiabetik oral.

- Obat ini diberikan dengan cara diminum untuk mengobati diabetes.
- Obat ini bekerja menurunkan kadar gula dalam darah (glukosa).

Forxiga digunakan dalam pengobatan diabetes mellitus tipe 2 pada pasien dewasa (usia 18 tahun keatas). Diabetes mellitus tipe 2 adalah jenis penyakit diabetes yang muncul pada usia dewasa. Apabila Anda mengidap diabetes tipe 2, pankreas Anda tidak mampu memproduksi insulin dalam jumlah cukup atau tubuh Anda tidak mampu menggunakan insulin. Hal ini menyebabkan kadar gula dalam darah Anda meningkat. Forxiga bekerja dengan cara menghilangkan kelebihan gula dalam tubuh Anda melalui urin.

- Forxiga digunakan dalam kombinasi dengan metformin, pioglitazone, insulin (tunggal atau dengan kombinasi hingga 2 obat antidiabetes), sitagliptin (dengan atau tanpa metformin) dan gliclazide, glimepiride, glyburide (dengan atau tanpa metformin) jika diabetes tidak dapat dikontrol dengan obat anti diabetes yang telah digunakan sebelumnya, diet, dan olahraga.
- Forxiga digunakan pada pasien gagal jantung stabil kronis (NYHA kelas II-III) dengan gejala fungsi pompa jantung yang lemah (*left ventricular ejection fraction* (LVEF) $\leq 40\%$) sebagai tambahan terapi standar. Apabila Anda menggunakan obat ini untuk mengobati gagal jantung, jangan menggunakan Forxiga apabila Anda memiliki kondisi gagal jantung akut, tekanan darah rendah, diabetes melitus tipe 1, atau gangguan ginjal berat. Beritahukan kepada dokter Anda apabila Anda memiliki kondisi tersebut.
- Forxiga digunakan pada orang dewasa dengan penyakit ginjal kronis dan penurunan fungsi ginjal (eGFR 30-75 ml/min/1,73 m²)

Sangatlah penting bagi Anda untuk tetap menjalankan anjuran diet dan olahraga dari dokter, apoteker, atau perawat Anda.

Apa itu gagal jantung dan bagaimana Forxiga membantu?

- Jenis gagal jantung ini terjadi ketika jantung lemah dan tidak dapat memompa cukup darah ke paru-paru dan seluruh tubuh. Hal ini dapat menyebabkan masalah medis yang serius dan kebutuhan akan dirujuk ke rumah sakit.
- Gejala gagal jantung yang paling umum adalah merasa sesak napas, merasa lelah atau sangat lelah setiap saat, dan pergelangan kaki bengkak.
- Forxiga membantu melindungi jantung Anda agar tidak melemah dan memperbaiki gejala Anda. Itu bisa menurunkan kebutuhan untuk pergi ke rumah sakit dan dapat membantu beberapa pasien untuk hidup lebih lama.

Apa itu penyakit ginjal kronis dan bagaimana Forxiga membantu?

- Bila Anda memiliki penyakit ginjal kronis, ginjal Anda mungkin secara bertahap kehilangan fungsinya. Ini berarti mereka tidak akan dapat membersihkan dan menyaring darah Anda sebagaimana mestinya. Hilangnya fungsi ginjal dapat menyebabkan masalah medis yang serius dan membutuhkan perawatan di rumah sakit.
- Forxiga membantu melindungi ginjal Anda dari kehilangan fungsinya.

2. Hal yang perlu Anda ketahui sebelum menggunakan Forxiga

Jangan menggunakan Forxiga apabila:

- Anda memiliki alergi terhadap dapagliflozin atau bahan-bahan lain yang terkandung dalam obat ini.
- Apabila Anda mengidap diabetes tipe 1 yakni penyakit diabetes yang muncul pada usia muda dimana tubuh tidak dapat lagi memproduksi insulin.
- Apabila Anda memiliki kadar keton yang tinggi dalam darah atau urin, yang dapat dilihat dari hasil tes laboratorium. Kadar keton yang tinggi merupakan gejala diabetes ketoasidosis dengan tanda-tanda seperti penurunan berat badan secara tiba-tiba, merasa tidak enak badan, napas yang berbau manis, rasa manis atau rasa seperti besi pada mulut, atau perubahan bau urin ataupun keringat Anda.

Peringatan dan pencegahan:

Diskusikan dengan dokter, perawat, atau apoteker Anda sebelum mengonsumsi Forxiga:

- Apabila Anda memiliki gangguan ginjal, dokter Anda dapat meminta Anda untuk menggunakan obat antidiabetes lain.
- Apabila Anda memiliki gangguan hati, dokter Anda dapat memberikan obat ini dengan dosis yang lebih rendah.
- Apabila Anda memiliki riwayat penyakit jantung serius atau Anda pernah mengalami serangan *stroke*.
- Apabila Anda sedang menggunakan obat penurun tekanan darah (obat antihipertensi) dan memiliki riwayat tekanan darah rendah (hipotensi). Informasi lebih lanjut dapat dibaca pada **obat dan Forxiga** pada halaman selanjutnya.
- Apabila Anda memiliki kadar gula darah yang sangat tinggi, sebuah keadaan yang dapat membuat Anda dehidrasi (kehilangan cairan tubuh dalam jumlah banyak). tanda-tanda dalam keadaan dehidrasi dapat dilihat pada **Bagian 4, 'Efek samping yang mungkin terjadi'**. Informasikan dokter Anda mengenai tanda-tanda tersebut sebelum Anda mengonsumsi Forxiga.
- Apabila Anda merasakan mual (rasa tidak enak), muntah, demam ataupun Anda tidak dapat makan dan minum. Kondisi ini dapat menyebabkan dehidrasi. Dokter Anda dapat meminta Anda untuk berhenti menggunakan Forxiga sampai Anda sembuh dari kondisi tersebut untuk mencegah dehidrasi.
- Apabila Anda sering mengalami infeksi saluran kemih
- Apabila Anda berusia diatas 75 tahun atau lebih, maka Anda seharusnya tidak memulai untuk menggunakan Forxiga.
- Apabila Anda memiliki kadar sel darah merah yang meningkat, dari hasil tes laboratorium.

Apabila Anda mengalami gejala tersebut diatas, diskusikanlah hal tersebut kepada dokter, perawat, atau apoteker Anda sebelum menggunakan Forxiga.

Fungsi ginjal

Fungsi ginjal Anda harus diperiksa sebelum Anda mulai menggunakan Forxiga dan selama Anda menggunakan Forxiga.

Glukosa urin

Selama Anda menggunakan Forxiga maka urin Anda akan mengeluarkan hasil positif mengandung glukosa. Hal ini karena cara kerja Forxiga adalah dengan mengeluarkan glukosa melalui urin.

Anak dan remaja

Forxiga tidak direkomendasikan untuk digunakan oleh anak dan remaja dibawah 18 tahun karena belum ada penelitian Forxiga untuk kelompok usia tersebut.

Obat lain dan Forxiga

Komunikasikan kepada dokter, perawat, atau apoteker Anda apabila Anda sedang menggunakan, akan menggunakan, atau telah menggunakan obat lain selain Forxiga. Khususnya:

- Apabila Anda sedang menggunakan obat diuretik (obat untuk membuang cairan dari tubuh).
- Apabila Anda sedang menggunakan obat untuk menurunkan kadar gula dalam darah seperti insulin atau obat golongan sulfonilurea. Dokter Anda dapat menurunkan dosis obat tersebut untuk mencegah kadar gula darah yang terlalu rendah (hipoglikemia).
- Apabila Anda menggunakan obat lithium karena Forxiga dapat menurunkan kadar lithium dalam darah

Kehamilan dan menyusui

Apabila Anda sedang hamil atau menyusui, atau merasa mungkin akan hamil, atau berencana untuk hamil, mintalah nasehat pada dokter, perawat, atau apoteker Anda sebelum menggunakan obat ini. Anda harus berhenti menggunakan obat ini apabila Anda hamil, karena penggunaan obat ini diatas trimester kedua dan ketiga tidak direkomendasikan. Bicarakan dengan dokter Anda bagaimana cara mengontrol kadar gula darah yang baik selama kehamilan.

Komunikasikan dengan dokter Anda apabila Anda berencana menyusui atau sedang menyusui sebelum mulai menggunakan obat ini. Jangan menggunakan Forxiga saat Anda menyusui. Tidak diketahui apakah obat ini terkandung dalam air susu ibu (ASI).

Mengendarai kendaraan bermotor dan menjalankan mesin

Forxiga tidak mempengaruhi kemampuan mengendarai kendaraan bermotor maupun menjalankan mesin. Penggunaan obat ini bersamaan dengan insulin atau sulfonilurea dapat menimbulkan keadaan gula darah yang terlalu rendah (hipoglikemia) yang dapat menyebabkan gejala seperti gemetar, berkeringat, serta gangguan penglihatan, dan dapat mengganggu kemampuan menyetir atau menggunakan mesin. Jangan mengemudi, menggunakan alat ataupun mesin, apabila Anda merasa pusing setelah minum Forxiga.

Forxiga mengandung laktosa

Forxiga mengandung laktosa (gula susu). Apabila Anda dikatakan mengidap intoleransi terhadap beberapa jenis gula, hubungi dokter Anda sebelum mulai mengkonsumsi Forxiga.

3. Cara pemakaian Forxiga

Biasakan meminum obat sesuai anjuran dokter Anda. Tanyakan kepada dokter, perawat, atau apoteker bila Anda tidak yakin.

Jumlah yang harus digunakan

- Dosis yang direkomendasikan adalah tablet 10 mg sehari.
- Dokter Anda mungkin memberikan dosis awal 5 mg bila Anda memiliki gangguan hati.
- Dokter Anda akan memberikan dosis obat yang sesuai dengan kebutuhan Anda.

Cara penggunaan obat

- Telan seluruh tablet bersamaan dengan setengah gelas air putih.
- Anda dapat meminum obat ini dengan atau tanpa makanan
- Anda dapat meminum obat ini kapanpun dalam satu hari. Namun usahakan untuk meminum obat ini pada waktu yang sama untuk memudahkan Anda mengingat jadwal minum obat.

Dokter Anda dapat meresepkan Forxiga bersamaan dengan obat lain untuk menurunkan kadar gula darah. Ingatlah untuk meminum semua obat sesuai resep dokter untuk mendapatkan hasil yang optimal bagi kesehatan Anda.

Diet dan olahraga

Untuk mengontrol kadar gula darah, Anda tetap harus menjalankan diet dan olahraga meskipun Anda sudah menggunakan obat ini. Sangatlah penting untuk mengikuti anjuran diet dan olahraga dari dokter, perawat, atau apoteker Anda.

Apabila Anda menggunakan Forxiga dalam jumlah yang lebih banyak

Apabila Anda meminum Forxiga dalam jumlah yang lebih banyak dari yang diresepkan, segera hubungi dokter Anda atau rumah sakit. Bawalah kemasan obat.

Apabila Anda lupa menggunakan Forxiga

Yang harus dilakukan apabila Anda lupa meminum Forxiga tergantung pada waktu yang tersisa hingga jadwal minum obat berikutnya:

- Jika masih tersisa waktu 12 jam atau lebih sampai waktu minum obat berikutnya, minumlah Forxiga yang terlupa segera lalu minum obat berikutnya tepat waktu.
- Jika waktu yang tersisa kurang dari 12 jam sampai waktu minum obat berikutnya, jangan minum dosis Forxiga yang terlupa. Minumlah obat berikutnya sesuai jadwal.
- Jangan meminum Forxiga dalam dosis ganda untuk mengganti obat yang terlupakan.

Apabila Anda berhenti menggunakan Forxiga

Jangan berhenti menggunakan Forxiga sebelum menghubungi dokter Anda karena tanpa obat ini, kadar gula darah Anda dapat meningkat.

Jika Anda memiliki pertanyaan lebih lanjut mengenai obat ini, hubungi dokter, perawat, atau apoteker Anda.

4. Efek samping yang mungkin terjadi

Sama seperti obat pada umumnya, obat ini dapat menimbulkan efek samping walaupun tidak semua orang akan mengalaminya.

Berhentilah mengonsumsi Forxiga dan segera konsultasi ke dokter, apabila Anda mengalami efek samping berikut :

- Kehilangan cairan tubuh berlebih (dehidrasi) - jarang ditemui
Tanda – tanda dehidrasi adalah sebagai berikut:
 - Mulut yang kering dan terasa lengket, rasa haus yang berlebih
 - Rasa sangat mengantuk dan lelah
 - Berkemih dalam jumlah yang sangat sedikit atau tidak sama sekali
 - Denyut jantung cepat

- Infeksi saluran kemih - sering ditemui
Tanda – tanda infeksi saluran kemih adalah sbb:
 - Demam dan atau menggigil
 - Rasa terbakar saat berkemih
 - Nyeri punggung atau pinggang

Meskipun jarang terjadi, hubungi dokter Anda segera apabila Anda melihat darah dalam urin Anda.

Hubungi dokter Anda segera apabila Anda mengalami efek samping dibawah ini:

Sangat sering (dialami oleh lebih dari 1 dari 10 orang)

- Rendahnya kadar gula darah (hipoglikemia), apabila menggunakan obat ini bersamaan dengan obat golongan sulfonilurea
- Berikut adalah gejala dari kadar gula darah yang rendah:
 - Gemetar, keringat dingin, rasa gelisah, denyut jantung cepat
 - Rasa lapar, pusing, gangguan penglihatan
 - Perubahan suasana hati, perasaan bingung
- Dokter Anda akan menginformasikan Anda bagaimana cara mengatasi kadar gula darah Anda yang rendah serta hal yang harus dilakukan bila mengalami hal tersebut diatas

Efek samping lain yang dapat terjadi dalam penggunaan Forxiga:

Sering (dialami oleh 1 dari 10 orang)

- Infeksi genitalia pada penis atau vagina (tanda-tanda infeksi ini meliputi iritasi, gatal, cairan tubuh dan bau yang tidak biasa)
- Nyeri punggung
- Frekuensi buang air kecil lebih sering dari biasanya
- Perubahan kadar kolesterol atau lemak dalam darah Anda (terlihat dari hasil tes laboratorium)
- Perubahan jumlah sel darah merah dalam darah (terlihat dari hasil tes laboratorium)
- Pusing
- Ruam pada kulit

Jarang (dialami oleh 1 dari 100 orang)

- Rasa haus
- Konstipasi
- Terbangun pada malam hari untuk buang air kecil
- Mulut kering
- Penurunan berat badan
- Perubahan pada hasil tes laboratorium (misalnya kreatinin atau urea)
- Penurunan fungsi ginjal

Pelaporan Efek Samping

Apabila Anda mengalami satu atau lebih efek samping diatas, hubungi dokter Anda segera. Hal yang sama berlaku untuk efek samping yang tidak terinci dalam leaflet ini.

5. Cara penyimpanan Forxiga

- Simpanlah obat ini pada tempat yang tidak dapat dijangkau anak-anak
- Jangan gunakan obat ini setelah lewat tanggal kadaluwarsa yang dapat dilihat pada blister atau karton setelah tanda 'EXP'. Tanggal kadaluwarsa disini mengacu pada tanggal terakhir bulan yang tercantum.
- Obat ini tidak memerlukan petunjuk penyimpanan khusus
- Jangan membuang obat ini pada saluran pembuangan air atau tempat sampah rumah tangga. Mintalah petunjuk dari apoteker tentang tata cara pembuangan sisa obat yang sudah tidak digunakan. Hal ini dapat membantu melindungi lingkungan hidup.

6. Isi kemasan dan informasi lain

Forxiga mengandung:

- Bahan aktif berupa dapagliflozin
Setiap tablet salut selaput 5 mg Forxiga mengandung *dapagliflozin propanediol monohydrate* yang setara dengan 5 mg dapagliflozin.
Setiap tablet salut selaput 10 mg Forxiga mengandung *dapagliflozin propanediol monohydrate* yang setara dengan 10 mg dapagliflozin.
- Bahan-bahan lain berupa:
Inti Tablet: microcrystalline cellulose(E460i), *anhydrous lactose* (lihat **Bagian 2 'Forxiga mengandung laktosa'**), *crospovidone* (E1201), *silicon dioxide* (E551), *magnesium stearate* (E470b).
Bahan penyalut: polyvinyl alcohol (E1203), *titanium dioxide* (E171), *macrogol 3350*, *talc* (E553b), *yellow iron oxide* (E172)

Bentuk sediaan dan isi kemasan:

- Forxiga tablet 5 mg berwarna kuning, bulat dengan diameter sebesar 0.7 cm. Pada salah satu sisinya tertera '5' dan pada sisi lain tertera '1427'.
- Forxiga tablet 10 mg berwarna kuning berbentuk seperti berlian berukuran 1.1x0.8 cm diagonal. Pada salah satu sisinya tertera '10' dan pada sisi lain tertera '1428'.

Forxiga 5 mg tablet dan Forxiga 10 mg Tablet tersedia dalam aluminium blister dengan kemasan 28 tablet pada non-perforated blister berkalender.

HARUS DENGAN RESEP DOKTER

Pemegang Hak Pemasaran dan Produsen

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Forxiga tablet 5 mg: Dus, 2 blister @ 14 tablet salut selaput
(Reg. No: DKI1735301317A1)

Forxiga tablet 10 mg: Dus, 2 blister @ 14 tablet salut selaput
(Reg. No: DKI1735301317B1)

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