

PRESCRIBING INFORMATION

1. NAME OF THE MEDICINAL PRODUCT

TOOKAD Soluble 200 mg
TOOKAD Soluble 400 mg
Powder for solution for injection

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

TOOKAD Soluble 200 mg powder for solution for injection
Each vial contains 200 mg of padelporfin d-potassium (183 mg padelporfin).

TOOKAD Soluble 400 mg powder for solution for injection
Each vial contains 400 mg of padelporfin d-potassium (366 mg padelporfin).
1 mL of reconstituted solution contains 10 mg of padelporfin d-potassium.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Powder for solution for injection. The powder is a dark lyophilisate.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

TOOKAD Soluble is indicated for adult patients with unilateral low-risk localised prostate cancer and with a life expectancy ≥ 10 years and:

- Clinical stage up to T2a,
- Gleason Score ≤ 6, based on high-resolution biopsy strategies,
- PSA ≤ 10 ng/mL,
- Up to 3 independent positive cores,
- mpMRI by 3T without endo-rectal coil showing normal MRI or unilateral tumour without evidence of capsular or seminal vesicle involvement or metastatic tumour to lymph nodes.

TOOKAD Soluble is administered as part of focal Vascular-Targeted Photodynamic therapy (VTP).

** Cores are considered independent one from another if taken in different prostate sextants.*

PATIENT REGISTRY
A patient registry exists for VTP-treatment by TOOKAD Soluble to which only Certified Healthcare Physicians (Urologists who have received a Certificate of Training from Steba) will have access and into which each and every patient undergoing the VTP procedure must be registered. Healthcare personnel involved in the procedure should be trained to use the relevant forms and to fill out the pertinent tables associated with the registry.

PATIENT INFORMATION GUIDE
A Patient Information Guide must be handed over to the patient and discussed with him in order to explain the possible benefits, risks and uncertainties associated with TOOKAD Soluble VTP.

4.2 Posology and method of administration

TOOKAD Soluble is restricted to hospital use only. It should only be used by personnel trained in the VTP procedure, i.e. Urologists who have received a Certificate of Training from Steba and, for laser device operation, Laser Technicians who have received a Certificate of Laser Training from Steba.

MpMRI by 3T without a need for endo-rectal coil must be used for diagnosis and staging prior to procedure.

The patient must stay in a dimmed light environment without any direct exposure of the skin and the eyes to daylight. The patient may only use incandescent light bulbs with a maximum power of 60 watts or equivalent (i.e. 6 watts for LED lights, 12 watts for fluorescent low-energy lights).

The patient may watch television from a distance of 2 metres and, from 6 hours onwards, may use electronic devices such as smartphones, tablets and computers. If the patient must go outdoors during daylight hours, he should wear protective clothes and high protection goggles to shield his skin and eyes.

Day 2 (12-48 hours after VTP procedure)
The patient may go outdoors during daylight hours but in shaded areas or only when it is overcast. He should wear dark clothes and take care when exposing hands and face to the sun.

The patient can return to normal activity and tolerate direct sunlight 48 hours after the procedure.

No patients with photosensitive dermatitis, skin conditions such as porphyria or a history of sensitivity to sunlight have received TOOKAD Soluble in clinical studies. However, the short duration of action of TOOKAD Soluble means that the risk of enhanced phototoxicity is expected to be low provided these patients strictly follow the precautions against light exposure.

There is believed to be an additional risk of eye photosensitivity in patients who have received intra-ocular anti-VEGF therapy. Patients who have received prior VEGF therapy should take particular care to protect the eyes from light for 48 hours post TOOKAD Soluble injection.

See section 4.5 for interactions with photosensitizing medicinal products.

Unspecific adverse events probably linked to the general anaesthesia were also observed: transient global amnesia, bradycardia, sinus arrhythmia, atrial fibrillation, hypotension, bronchospasm, pharyngeal inflammation, respiratory tract congestion, nausea, vomiting, constipation, pyrexia, procedural hypotension. Some cases of hepatotoxicity (1.5 %), such as elevation of transaminases, were also reported. All of them were mild in intensity.

Tabulated list of adverse reactions

Adverse reactions reported are listed below in Table 1 by organ class and frequency. Within each frequency grouping, adverse reactions are presented in order of decreasing seriousness. Frequencies are defined as: very common (≥ 1/10); common (≥ 1/100 to < 1/10); uncommon (≥ 1/1,000 to < 1/100).

Table 1: Summary of adverse reactions considered related to TOOKAD Soluble and/or the study device and/or the study procedure in the pooled safety analysis (N=398)

System Organ Class **Frequency** **Adverse reaction**

Infections and infestations Common Genito-urinary tract infection¹

Psychiatric disorders Uncommon Libido decreased
Affective disorder
Encopresis
Headache
Dizziness
Stoolacia
Sensory disturbance
Fornication

Nervous system disorders Uncommon Eye irritation
Photophobia
Haematoma
Hypertension

Eye disorders Uncommon Eye irritation
Photophobia
Haematoma
Hypertension

Vascular disorders Common Haematoma
Hypertension

procedure but rather the pre-existing damage to the internal urethral sphincter from the TURP. The TOOKAD Soluble VTP procedure is contraindicated in patients with any previous prostatic interventions where the internal urinary sphincter may have been damaged (see section 4.3).

Inflammatory bowel disease
Only administer TOOKAD Soluble VTP after careful clinical evaluation, to patients with a history of active rectal inflammatory bowel disease or any condition that may increase the risk of recto-urethral fistula formation (see section 4.3).

Use in patients with abnormal clotting
Patients with abnormal clotting may develop excessive bleeding due to the insertion of the needles required to position the light fibres. This may also cause bruising, haematuria and/or local pain. It is not expected that a delay in clotting will reduce the effectiveness of the TOOKAD Soluble VTP treatment; however, it is recommended that drugs that affect clotting are stopped prior to and for the immediate period following the VTP procedure (see section 4.5).

Use in patients on a controlled potassium diet
This medicinal product contains potassium and in general the dose (3.66 mg/kg padelporfin) will be less than 1 mmol (39 ng) i.e. essentially potassium free. However, this will be exceeded in patients heavier than 115 kg. This should be taken into consideration in patients with reduced kidney function or patients on a controlled potassium diet where a rise in serum potassium would be considered detrimental (see section 4.2).

4.5 Interaction with other medicinal products and other forms of interaction

OATP1B1 and OATP1B3 transporters
In vitro studies predict that TOOKAD Soluble at therapeutic concentrations is unlikely to inhibit cytochrome P450 enzymes but does inhibit OATP1B1 and OATP1B3 transporters (see section 5.2).

The magnitude of interaction has not been investigated clinically but a transient increase in the plasma concentration of co-administered substrates of OATP1B1 and OATP1B3 cannot be ruled out. The use of medicinal products that are substrates of OATP1B1 or OATP1B3 (repaglinide, atorvastatin, pitavastatin, pravastatin, rosuvastatin, simvastatin, bosentan, glyburide) for which concentration-dependent serious adverse events have been observed should be avoided on the day of TOOKAD Soluble infusion and for at least 24 hours after administration. Otherwise, co-administer with caution and close monitoring is recommended.

Photosensitisers

Medicinal products such as tetracyclines, sulphonamides, quinolones, phenothiazines, sulfonylurea hypoglycaemic agents, thiazide diuretics, griseofulvin or amiodarone have potential photosensitising effects. When possible, photosensitising medicines should be stopped at least 10 days before the procedure with TOOKAD Soluble and for at least 3 days after the procedure or replaced by other treatments without photosensitizing properties. If it is not possible to stop a photosensitising medicinal product (such as amiodarone), the patient should be advised that increased sensitivity to sunlight may occur and they may need to protect themselves from direct light exposure for a longer period (see section 4.2).

Anticoagulants and antiplatelet agents

Anticoagulants and medicinal products that decrease platelet aggregation (e.g. acetylsalicylic acid) should be stopped prior to VTP procedure with TOOKAD Soluble and restarted post the procedure according to the instructions or recommendation provided by the manufacturer of each product.

4.6 Fertility, pregnancy and lactation

Contraception
If the patient is sexually active with women who are capable of getting pregnant, he and/or his partner should use an effective form of birth control to prevent getting pregnant during a period of 90 days after the VTP procedure.

Pregnancy and breast-feeding
Not applicable. TOOKAD Soluble is not indicated for the treatment of women.

Fertility
Padelporfin has not been tested for reproductive toxicity and fertility.

However, all stages of spermatogenesis have been observed in animal. Minimal seminiferous epithelial degeneration was also recorded in one high-dose male with vacuolation. All these changes were considered to be incidental and probably related to the intravenous administration procedure.

4.7 Effects on ability to drive and use machines

TOOKAD Soluble has no influence on the ability to drive or use machines. However, as the procedure includes general anaesthesia, patients should not perform complex tasks like driving or using machines until 24 hours after a general anaesthetic is employed.

4.8 Undesirable effects

Summary of the safety profile

The most frequently reported adverse reactions in the Phase II and III clinical studies were urinary and reproductive disorders: dysuria (25.1 %), erectile dysfunction (21.1 %), haematuria (19.6 %), perineal pain/haematoma (15.3 %), urinary retention (13.3 %), micturition urgency (9.0 %), pollakiuria (7.3 %), urinary tract infection (5.5 %), incontinence (5.3 %) and ejaculation failure (5.0 %).

Unspecific adverse events probably linked to the general anaesthesia were also observed: transient global amnesia, bradycardia, sinus arrhythmia, atrial fibrillation, hypotension, bronchospasm, pharyngeal inflammation, respiratory tract congestion, nausea, vomiting, constipation, pyrexia, procedural hypotension. Some cases of hepatotoxicity (1.5 %), such as elevation of transaminases, were also reported. All of them were mild in intensity.

Tabulated list of adverse reactions

Adverse reactions reported are listed below in Table 1 by organ class and frequency. Within each frequency grouping, adverse reactions are presented in order of decreasing seriousness. Frequencies are defined as: very common (≥ 1/10); common (≥ 1/100 to < 1/10); uncommon (≥ 1/1,000 to < 1/100).

Table 1: Summary of adverse reactions considered related to TOOKAD Soluble and/or the study device and/or the study procedure in the pooled safety analysis (N=398)

System Organ Class	Frequency	Adverse reaction
Infections and infestations	Common	Genito-urinary tract infection ¹
	Uncommon	Prostatic abscess
Psychiatric disorders	Uncommon	Libido decreased Affective disorder Encopresis Headache Dizziness Stoolacia Sensory disturbance Fornication
Nervous system disorders	Uncommon	Eye irritation Photophobia Haematoma Hypertension
Eye disorders	Uncommon	Eye irritation Photophobia Haematoma Hypertension
Vascular disorders	Common	Haematoma Hypertension

failure. 53 (26.9 %) patients experienced erectile dysfunction for more than 6 months, including 34 (17.3 %) patients in whom the erectile dysfunction had not resolved at the end of the study. When the analysis was restricted to patients that underwent unilateral VTP 33 (16.8 %) patients experienced erectile dysfunction for more than 6 months, including 17 (8.6 %) patients in whom the erectile dysfunction had not resolved at the end of the study.

Urinary retention
In the Phase III European study, 30 (15.2 %) patients experienced urinary retention. The median time to onset of urinary retention was 3 days (1-417). The median duration was 10 days (1-344).

Genito-urinary infections
The most common infections are orchitis, epididymitis and urinary tract infections including cystitis. In the Phase III European study, 20 (10.2 %) patients in the TOOKAD Soluble VTP arm experienced genito-urinary infection. In 5 (2.5 %) patients, the infection was considered serious. The median time to onset of genito-urinary infections was 22.5 days (4-360). The median duration was 21 days (4-197).

Urinary incontinence
In the Phase III European study 25 (12.7 %) patients experienced urinary incontinence (including incontinence, stress urinary incontinence and urge incontinence). The median time to onset of urinary incontinence was 4 days (1-142). In 18 patients the adverse event resolved with a median duration of 63.5 days (1-360), and the adverse event was still ongoing at the end of the study for 7 patients. Only 1 (0.5 %) patient had a severe (Grade 3) urinary incontinence. None of these patients required an operation for incontinence.

Perineal injury, perineal pain and prostatesitis

Perineal injury and perineal pain occurred in 46 (23.4 %) patients in the controlled Phase III European study. In some cases pain relief was required for perineal pain or anorectal discomfort. One patient had Grade 3 perineal pain that started 35 weeks after the VTP procedure, and lasted for about 35 weeks before resolving without sequelae. Prostatesitis occurred in 7 (3.6 %) patients in the controlled Phase III European study. One patient had Grade 3 prostatitis considered as serious that started 4 days after the VTP procedure, and lasted for 31 days before resolving without sequelae.

Urethral stenosis
In the pivotal Phase III European study, moderate or severe urethral stenosis developed in 2 (1.0 %) patients 5 to 6 months post-procedure. This required urinary dilatation (see section 4.4).

Additional adverse reactions in the Phase II prostate cancer studies and Special Authorization

Extraprostatic necrosis
Two cases of excessive extraprostatic necrosis occurred due to incorrect laser calibration without clinical sequelae. One case of external urethral fistula occurred due to fibre misplacement (see section 4.4).

Phototoxicity
In a patient treated at 2 mg/kg of TOOKAD Soluble, one case of Grade 3 ischaemic optic neuropathy was reported 33 days after the VTP procedure. This resolved with a small defect in the visual field.

Prostatic abscess
One serious adverse event of prostatic abscess which was considered severe was reported in the study performed in Latin America in a patient who had a unilateral VTP procedure. The case resolved within three days.

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. Any suspected adverse events should be reported to the Ministry of Health according to the National Regulation by using an online form <https://sideeffects.health.gov/ii/>

4.9 Overdose

There is limited clinical information on overdose involving TOOKAD Soluble; healthy subjects have been exposed to doses up to 15 mg/kg of padelporfin d-potassium without light activation and 23 patients have been treated with 6 mg/kg of padelporfin d-potassium without significant safety issues. However, a prolongation of photosensitisation is possible and precautions against light exposure should be maintained for an additional 24 hours (see section 4.4).

An overdose of the laser light may increase the risk of undesirable extraprostatic necrosis (see section 4.4).

5. PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Pharmacotherapeutic group: Sensitizers used in photodynamic/radiation therapy, ATC code: L01XD07

Mechanism of action
Padelporfin is retained within the vascular system. When activated with 753 nm wavelength laser light, padelporfin triggers a cascade of pathophysiological events resulting in focal necrosis within a few days.

Activation within the illuminated tumour vasculature, generates oxygen radicals (OH[•], O^{2•}) causing local hypoxia that induces the release of nitric oxide (NO) radicals. This results in transient arterial vasodilatation that triggers the release of the vasoconstrictor, endothelin-1. Rapid consumption of the NO radicals, by oxygen radicals, leads to the formation of reactive nitrogen species (RNS) (e.g. peroxynitrite), in parallel to arterial constriction. In addition, impaired defibrillation is thought to enhance erythrocyte aggregability and formation of blood clots at the interface of the arterial supply (feeding arteries) and tumour microcirculation, results in occlusion of the tumour vasculature. This is enhanced by RNS-induced endothelial cell apoptosis and initiation of self-propagated tumour cells necrosis through peroxidation of their membrane.

Pharmacodynamic effects

In patients with localised prostate cancer who received TOOKAD Soluble VTP, necrosis was observed by Magnetic Resonance Imaging (MRI) at day 7. There was a correlation between the total energy delivered and the volume of necrosis observed at day 7. The LD1 corresponds to the ratio of the cumulative length of illuminated fibre tips (cm) to the volume (cc) of the targeted zone to be treated. The targeted zone corresponds to the lobe containing the positive biopsies. Its volume is measured after prostate delineation using the treatment guidance software. In Phase II studies, treatment conditions corresponding to an LD1 ≥ 1 were associated with a mean rate of necrosis of the targeted zone at day 7 of 89 % ± 20.75 for unilateral treatment. An LD1 ≥ 1 appeared to be associated with a greater volume of necrosis on Day 7 MRI and greater share of patients with negative biopsy at 6 months compared with an LD1 < 1 (see section 4.2).

There was no significant correlation between the percentage of prostate necrosis on Day 7 MRI and the likelihood of a negative prostate biopsy at follow-up.

Clinical efficacy and safety

Phase III Study (PCM301)
The pivotal open-label Phase III study (PCM301), conducted in 10 European countries, randomised 413 patients to TOOKAD Soluble VTP arm or AS arm. The main inclusion criteria were low-risk prostate cancer with Gleason 3 + 3 prostate adenocarcinoma as a maximum, two to three cores positive for cancer and a maximum cancer core length of 5 mm in any core (at least 3 mm for patients

failure. 53 (26.9 %) patients experienced erectile dysfunction for more than 6 months, including 34 (17.3 %) patients in whom the erectile dysfunction had not resolved at the end of the study. When the analysis was restricted to patients that underwent unilateral VTP 33 (16.8 %) patients experienced erectile dysfunction for more than 6 months, including 17 (8.6 %) patients in whom the erectile dysfunction had not resolved at the end of the study.

Urinary retention
In the Phase III European study, 30 (15.2 %) patients experienced urinary retention. The median time to onset of urinary retention was 3 days (1-417). The median duration was 10 days (1-344).

Genito-urinary infections
The most common infections are orchitis, epididymitis and urinary tract infections including cystitis. In the Phase III European study, 20 (10.2 %) patients in the TOOKAD Soluble VTP arm experienced genito-urinary infection. In 5 (2.5 %) patients, the infection was considered serious. The median time to onset of genito-urinary infections was 22.5 days (4-360). The median duration was 21 days (4-197).

Urinary incontinence
In the Phase III European study 25 (12.7 %) patients experienced urinary incontinence (including incontinence, stress urinary incontinence and urge incontinence). The median time to onset of urinary incontinence was 4 days (1-142). In 18 patients the adverse event resolved with a median duration of 63.5 days (1-360), and the adverse event was still ongoing at the end of the study for 7 patients. Only 1 (0.5 %) patient had a severe (Grade 3) urinary incontinence. None of these patients required an operation for incontinence.

Perineal injury, perineal pain and prostatesitis

Perineal injury and perineal pain occurred in 46 (23.4 %) patients in the controlled Phase III European study. In some cases pain relief was required for perineal pain or anorectal discomfort. One patient had Grade 3 perineal pain that started 35 weeks after the VTP procedure, and lasted for about 35 weeks before resolving without sequelae. Prostatesitis occurred in 7 (3.6 %) patients in the controlled Phase III European study. One patient had Grade 3 prostatitis considered as serious that started 4 days after the VTP procedure, and lasted for 31 days before resolving without sequelae.

Urethral stenosis
In the pivotal Phase III European study, moderate or severe urethral stenosis developed in 2 (1.0 %) patients 5 to 6 months post-procedure. This required urinary dilatation (see section 4.4).

Additional adverse reactions in the Phase II prostate cancer studies and Special Authorization

Extraprostatic necrosis
Two cases of excessive extraprostatic necrosis occurred due to incorrect laser calibration without clinical sequelae. One case of external urethral fistula occurred due to fibre misplacement (see section 4.4).

Phototoxicity
In a patient treated at 2 mg/kg of TOOKAD Soluble, one case of Grade 3 ischaemic optic neuropathy was reported 33 days after the VTP procedure. This resolved with a small defect in the visual field.

Prostatic abscess
One serious adverse event of prostatic abscess which was considered severe was reported in the study performed in Latin America in a patient who had a unilateral VTP procedure. The case resolved within three days.

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. Any suspected adverse events should be reported to the Ministry of Health according to the National Regulation by using an online form <https://sideeffects.health.gov/ii/>

4.9 Overdose

There is limited clinical information on overdose involving TOOKAD Soluble; healthy subjects have been exposed to doses up to 15 mg/kg of padelporfin d-potassium without light activation and 23 patients have been treated with 6 mg/kg of padelporfin d-potassium without significant safety issues. However, a prolongation of photosensitisation is possible and precautions against light exposure should be maintained for an additional 24 hours (see section 4.4).

An overdose of the laser light may increase the risk of undesirable extraprostatic necrosis (see section 4.4).

5. PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Pharmacotherapeutic group: Sensitizers used in photodynamic/radiation therapy, ATC code: L01XD07

Mechanism of action
Padelporfin is retained within the vascular system. When activated with 753 nm wavelength laser light, padelporfin triggers a cascade of pathophysiological events resulting in focal necrosis within a few days.

Activation within the illuminated tumour vasculature, generates oxygen radicals (OH[•], O^{2•}) causing local hypoxia that induces the release of nitric oxide (NO) radicals. This results in transient arterial vasodilatation that triggers the release of the vasoconstrictor, endothelin-1. Rapid consumption of the NO radicals, by oxygen radicals, leads to the formation of reactive nitrogen species (RNS) (e.g. peroxynitrite), in parallel to arterial constriction. In addition, impaired defibrillation is thought to enhance erythrocyte aggregability and formation of blood clots at the interface of the arterial supply (feeding arteries) and tumour microcirculation, results in occlusion of the tumour vasculature. This is enhanced by RNS-induced endothelial cell apoptosis and initiation of self-propagated tumour cells necrosis through peroxidation of their membrane.

Pharmacodynamic effects

In patients with localised prostate cancer who received TOOKAD Soluble VTP, necrosis was observed by Magnetic Resonance Imaging (MRI) at day 7. There was a correlation between the total energy delivered and the volume of necrosis observed at day 7. The LD1 corresponds to the ratio of the cumulative length of illuminated fibre tips (cm) to the volume (cc) of the targeted zone to be treated. The targeted zone corresponds to the lobe containing the positive biopsies. Its volume is measured after prostate delineation using the treatment guidance software. In Phase II studies, treatment conditions corresponding to an LD1 ≥ 1 were associated with a mean rate of necrosis of the targeted zone at day 7 of 89 % ± 20.75 for unilateral treatment. An LD1 ≥ 1 appeared to be associated with a greater volume of necrosis on Day 7 MRI and greater share of patients with negative biopsy at 6 months compared with an LD1 < 1 (see section 4.2).

There was no significant correlation between the percentage of prostate necrosis on Day 7 MRI and the likelihood of a negative prostate biopsy at follow-up.

Clinical efficacy and safety

Phase III Study (PCM301)
The pivotal open-label Phase III study (PCM301), conducted in 10 European countries, randomised 413 patients to TOOKAD Soluble VTP arm or AS arm. The main inclusion criteria were low-risk prostate cancer with Gleason 3 + 3 prostate adenocarcinoma as a maximum, two to three cores positive for cancer and a maximum cancer core length of 5 mm in any core (at least 3 mm for patients

with only one positive core), clinical stage up to T2a, PSA ≤ 10 ng/mL, prostate volume equal or greater than 25 cc and less than 70 cc.

The main exclusion criteria were any prior or current treatment for prostate cancer, any surgical intention for benign prostatic hyperplasia, life expectancy less than 10 years, medical conditions which preclude the use of general anaesthesia. The VTP procedure consisted of a 10 minutes IV injection of 4 mg/kg of TOOKAD Soluble followed by 22 minutes 15 seconds of illumination with 753 nm laser light at 200 J/cm of fibre delivered using interstitial optical fibres, inserted transperineally into the prostate gland. In case of unilateral disease, focal treatment of one lobe was to be applied. In case of bilateral disease (discovered at entry or during follow-up), bilateral treatment was to be applied, either simultaneously or consecutively. Retreatment of lobes found positive for cancer at 12-months follow-up was allowed.

AS involved serial absolute PSA measurements and ultrasound-guided prostatic biopsy at 12 and 24 months.

The study had two co-primary endpoints for TOOKAD Soluble VTP in comparison to AS:

- A: The rate of absence of definite cancer based on histology at 24 months,
- B: The difference in rate of treatment failure associated with observed progression of disease from low to moderate or higher risk prostate cancer. Moderate/higher risk prostate cancer was defined as any of the following: > 3 cores definitively positive for cancer; Gleason primary or secondary pattern ≤ 4; at least 1 cancer core length > 5 mm; PSA > 10 ng/mL in 3 consecutive measures; T3 prostate cancer; metastasis; prostate cancer-related death.

All patients had Gleason score ≤ 3 + 3 at baseline. Table 2 gives baseline characteristics by arm.

Table 2: PCM301 – Baseline characteristics by arm for the Intention-To-Treat (ITT) population

Characteristic	TOOKAD Soluble VTP arm N = 206	AS arm N = 207
Age (years)		
Mean (SD)	64.2 (6.70)	62.9 (6.68)
Range: min, max	45, 85	44, 79
Patients aged > 75 years old, n (%)	6 (2.9)	6 (2.9)
Unilateral disease, n (%)	157 (76.2)	163 (78.7)
Bilateral disease, n (%)	49 (23.8)	44 (21.3)
Clinical stages		
T1, n (%)	178 (86.4)	180 (87.0)
T2a, n (%)	28 (13.6)	27 (13.0)
Total number of positive cores		
Mean (SD)	2.1 (0.68)	2.0 (0.72)
Range: min, max	1, 3	1, 3
Estimated prostatic volume (cc)		
Mean (SD)	42.5 (12.49)	42.5 (11.76)
Range: min, max	25, 70	25, 70
PSA (ng/mL)		
Mean (SD)	6.19 (2.114)	5.91 (2.049)
Range: min, max	0.1, 10.0	0.5, 10.0

Of the 206 subjects randomised TOOKAD Soluble VTP, 10 did not receive treatment: 3 withdrew consent, 3 were excluded because of exclusion criteria (bladder cancer discovered on pretreatment MRI, Gleason 3 + 4 score on previous biopsy, history of transurethral prostate resection), 1 was withdrawn by the investigator because of non-compliance, 1 had a myocardial infarction, 1 was claustrophobic so unable to undergo the pretreatment MRI, and 1 had an anaesthesia reaction before receipt of any padelporfin or laser treatment.

Tables 3 and 4 describe the co-primary efficacy endpoints in the whole prostate gland and in the treated lobe (ITT population).

Table 3: PCM301 – Co-primary efficacy endpoints – Whole prostate gland - ITT population