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## **SCHEDULING STATUS**

**S5**

### **1 NAME OF THE MEDICINE**

**TestaFeme**

### **2 QUALITATIVE AND QUANTITATIVE COMPOSITION**

TestaFeme contains 1 % w/v testosterone (10 mg testosterone per 1 ml).

Contains tree nut products (almond oil) and hydroxybenzoates.

For the full list of excipients, see section 6.1 List of excipients.

### **3 PHARMACEUTICAL FORM**

Cream.

TestaFeme is a white, opaque, oil-in-water cream.

### **4 CLINICAL PARTICULARS**

#### **4.1 Therapeutic indications**

TestaFeme is indicated for the treatment of hypoactive sexual desire dysfunction (HSDD) in postmenopausal women.

Treatment with TestaFeme should only be initiated in women following failure of appropriate education and correction of modifiable biopsychosocial factors (which may include neuroendocrine imbalance, physical ill health or disease, interpersonal difficulties, psychological distress or specific cultural or religious beliefs), according to the International Society for the Study of Women's Sexual Health (ISSWSH) process of care (see Figure 1).

## **4.2 Posology and method of administration**

### **Posology**

The recommended starting dose is 5 mg testosterone (0,5 ml) applied once daily, at approximately the same time each day, to either the upper outer thigh or buttock.

If no improvement in symptoms is seen within 3 months and if the testosterone concentration is within the premenopausal reference range a dose increases up to 10 mg testosterone (1,0 ml) daily can be used with follow up clinical and biochemical monitoring. This dose should only rarely be exceeded (see Monitoring).

Clinical trials have shown that there is a four to eight-week time lag between starting testosterone treatment and an improvement in sexual motivation. If there is no improvement in symptoms after 6 months of continuous therapy, treatment should be discontinued, and alternative options be considered.

There are no safety data for the use of TestaFeme beyond two years. Treatment should not exceed two years.

### **Method of administration**

The patient should be directed to measure the appropriate dose using the graduated applicator and immediately apply to clean dry skin on the upper outer thigh or buttock. The cream should be massaged evenly until absorption is complete (typically around 30 seconds). The patient should be instructed to wash their hands with soap and water after each application. To clean the applicator after use, rinse in hot water.

Absorption may be more variable if applied to other areas of the body. The dose can be varied according to severity of symptoms and clinical response.

Do not apply to the genitalia or perineum.

### **Prior to prescribing**

Female sexual dysfunction, including HSDD, has many etiologies including biopsychosocial factors such as neuroendocrine imbalance, physical ill health or disease, interpersonal difficulties, psychological distress and specific cultural or religious beliefs.

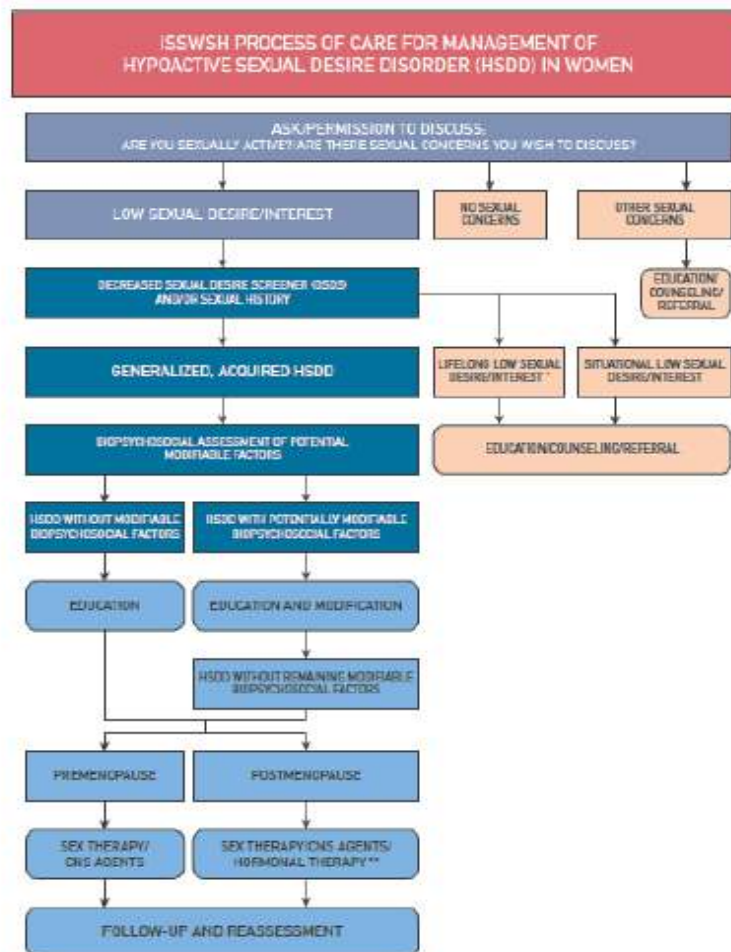
The diagnosis of HSDD in clinical practice should be based on thorough clinical assessment guided by diagnostic criteria such as ISSWSH or the International Classification of Diseases 11th Edition (ICD-11).

Therapeutic intervention with TestaFeme should only be initiated in women following failure of alternative treatment options and correction of modifiable risk factors.

Figure 1 provides a management algorithm to assist in making a diagnosis prior to initiating therapy. If the patient meets the treatment criteria, counselling as to the benefits and potential risks of testosterone therapy should be provided, including discussions on the lack of data on the safety of long-term use.

The baseline (morning pre-dosing) total testosterone serum concentration should be measured before commencement, with a repeat level 3-6 weeks after treatment initiation (see Monitoring).

**Figure 1. The ISSWSH process of care for management of hypoactive sexual desire disorder (HSDD) women**



*\*Women with lifelong low sexual desire/interest without distress/bother may characterise themselves as asexual and should not be considered for treatment. \*\*Women in the late reproductive years.*

1. Adapted and reproduced with permission from Elsevier publishers. Reference: Clayton AH, Goldstein I, Kim NN et al. The International Society for the Study of Women's Sexual Health Process of Care for the management of hyposexual desire disorder in women. Mayo Clinic Proc, 2018; 93(4): 467-487.

## Monitoring

It is recommended that total serum testosterone monitoring be used as an aid to treatment rather than as the primary measure of efficacy. The primary determinant of efficacy should be based on the improvement in sexual function considered relevant to each individual woman.

Baseline total testosterone and sex hormone binding globulin (SHBG) serum levels should be obtained prior to initiation of testosterone therapy.

It is recommended that women should ideally attend the same laboratory for baseline testosterone biochemistry prior to and during treatment.

The patient should have a follow-up blood test taken **three to six weeks** after initiating treatment. If a patient does not experience clinically meaningful improvement, treatment should not be continued beyond 6 months.

Optimally, the serum concentration of total testosterone should be maintained within the approximate physiological range for premenopausal women. In a study of premenopausal women with no complaints of sexual dysfunction intended to define normal female androgen values, women aged 20 – 29 years, 30 – 39 years, and 40 – 49 years had testosterone values ranging from 45,5 to 57,5 ng/dl, 27,6 to 39,8 ng/dl and 27,0 to 38,6 ng/dl, respectively. The 5 mg (0,5 ml) starting dose may be increased to 10 mg (1 ml) as deemed clinically appropriate according to patient response and the absence of unwanted androgenic effects. It is recommended that if the serum testosterone concentration exceeds the upper limit of the premenopausal range of the assay being used that clinical evaluation is needed to screen for evidence of hyperandrogenism and a dose reduction considered. Women with total testosterone concentrations greater than

50 % above the upper limit of the premenopausal reference range for the assay being used should be advised to reduce the dose of the applied cream. Follow-up should occur at 12 weeks including a full assessment of treatment efficacy and safety then review of serum testosterone levels 6 monthly thereafter.

A dose of up to 10 mg daily is usually sufficient to provide adequate improvement in symptoms and should rarely be exceeded. If no benefit is experienced by 6 months, treatment should be ceased.

Women should be made aware prior to initiating testosterone treatment of the lack of long-term clinical trial safety data beyond 24 months associated with use of testosterone in physiological doses in women. Treatment with TestaFeme should include regular monitoring and it should be an informed decision between medical practitioner and patient if treatment is to be continued beyond 24 months.

Caution should be exercised when patients are taking medicines that may increase or decrease sex hormone binding globulin (SHBG) or free-testosterone levels (see section 4.5).

Alternative strategies are required to assess failure to respond to the recommended testosterone treatment, particularly when testosterone or SHBG serum levels are high.

### **4.3 Contraindications**

- TestaFeme is contraindicated in patients with known sensitivity to testosterone, tree nuts (almond oil) or any of the excipients listed in section 6.1.
- TestaFeme is contraindicated in females with known or suspected carcinoma of the breast, known or suspected androgen-dependent neoplasia, nephrotic syndrome, history of thromboembolism or hypercalcaemia.
- TestaFeme is contraindicated in pregnancy and lactation.
- TestaFeme is contraindicated in women with normal reproductive function because of the potential for virilisation of a female foetus unless adequate contraceptive measures are being utilised.

#### **4.4 Special warnings and precautions for use**

Testosterone supplementation in women must be monitored closely, especially at onset of treatment (see section 4.2). Female testosterone requirements are between ten and twenty times less than that of males.

Normal ranges for testosterone may vary between laboratories and between different assay methods. Androgenic side-effects may occur if doses are too high, therefore individual assessment and monitoring needs to be implemented on a patient-by-patient basis. If unwanted androgenic side-effects are experienced treatment should be halted and recommenced after reduced serum testosterone levels have been established. Levels typically return to baseline 2-5 days after ceasing treatment.

All patients with pre-existing cardiac, hepatic or renal diseases need to be monitored closely when undergoing androgen treatment.

High level athletes need to be aware of the rules governing androgen use if prescribed TestaFeme cream.

#### ***Potential for transfer***

It has been reported that high dose transdermal testosterone preparations used in men can be transferred to other persons by close skin to skin contact, resulting in increased testosterone serum levels and, with repeated contact, possibly adverse effects. While the recommended dose of testosterone in TestaFeme is low by comparison to male doses, close skin contact with the area of application by a partner or child should be avoided.

Patients should be made aware of the consequences of making sustained long-term close physical contact with young children. Long-term continual exposure may result in passive absorption and may have adverse effects, including virilisation, in young children.

The risk of transfer is substantially reduced by wearing clothes covering the application area. The majority of residual testosterone is removed from the skin surface by washing with soap and water prior to contact.

As a result, the following precautions are recommended:

For the patient:

- Wash hands thoroughly with soap and water after applying the cream.
- Cover the application area with clothing once the cream has dried.
- Wash before any situation in which skin-to-skin contact is foreseen.

For women and children not being treated with TestaFeme:

- In the event of sustained contact with an application area which has not been washed or is not covered with clothing, wash the area of skin onto which testosterone may have been transferred as soon as possible, using soap and water.
- Report the development of signs of excessive androgen exposure such as acne or hair modification.

The patient must be particularly careful to avoid potential transfer to pregnant women.

### ***Cardiovascular risk factors***

There are currently few data available assessing the long-term effect of testosterone supplementation in women on cardiovascular disease beyond 24 months or in a more “at risk” patient population. A “at risk” patient population” includes, but not limited to, women with a family history of premature cerebrovascular disease, familial hypercholesterolaemia, smoking, diabetes mellitus, obesity, myocardial infarction or angina or women with clinically significant untreated hypertension or lipid disorder that requires treatment before commencement of therapy.

Testosterone should be used with caution in women at risk for or with current cardiovascular disease.

### ***Lipid concentrations***

In clinical trials transdermal testosterone does not significantly alter the serum concentrations of total cholesterol, LDL cholesterol, and triglycerides, however a small, but a statistically significant decreased the serum HDL concentration may be observed, particularly with higher testosterone doses.

### ***Blood pressure***

In clinical trials a small mean increase in both systolic and diastolic blood pressure ( $\leq 3$  mmHg) in postmenopausal women was observed after 4 years of treatment with transdermal testosterone. This change is not considered to be clinically significant.

### ***Body weight***

In clinical trials a small mean increase in weight (1,52 kg, fat and muscle weight were not assessed separately) was observed in postmenopausal women who used a transdermal testosterone patch for 3 years.

### ***Carbohydrate metabolism***

In clinical trials no significant difference in serum glucose or insulin was observed between transdermal testosterone and placebo in women treated for 24 months.

### ***Effect on Breast Tissue***

Evidence for long-term effects of testosterone supplementation on breast cancer is limited. Testosterone should be used with caution in women at risk for breast cancer.

Clinical studies have found no statistically significant difference in the mean increase in the amount of dense breast tissue or area of dense breast was associated with testosterone supplementation in postmenopausal women. Testosterone has been shown to inhibit total breast cell proliferation in postmenopausal women using oestrogen/progesterone hormone

therapy. Epidemiology studies conducted for up to 5 years have found no statistically significant increase in breast cancer risk.

### ***Effect on endometrium***

Short-term treatment with testosterone does not appear to stimulate endometrial proliferation, however the longer-term effects of testosterone on endometrial proliferation and the risk of endometrial cancer are unknown. Testosterone should be used with caution in women at risk for or with current endometrial hyperplasia or cancer.

### ***Use in the elderly***

There is limited experience of the use of testosterone in elderly patients over 65 years of age. Currently, there is no consensus about age specific testosterone reference values. However, it should be taken into account that physiological testosterone serum levels are lower with increasing age.

### ***Paediatric use***

TestaFeme is not suitable for children.

Care should be taken to ensure that children do not come into contact with TestaFeme application sites. In the event of contact, wash with soap and water as soon as possible.

### ***Effects on laboratory tests***

Androgens may decrease levels of thyroxine-binding globulin resulting in decreased total T4 serum levels and increased resin uptake of T3 and T4. Free thyroid hormone levels remain unchanged, however, and there is no clinical evidence of thyroid dysfunction.

#### **4.5 Interactions with other medicines and other forms of interaction**

All oral oestrogens (oral contraceptives and oral HRT) will result in an increase in SHBG which will bind testosterone and reduce bioavailability. Patients using oral oestrogen should be changed to transdermal oestrogen before being considered for testosterone therapy.

The concurrent use of tibolone or glucocorticoids with testosterone may result in elevated testosterone levels due to a decrease in SHBG.

Changes in insulin sensitivity, glucose tolerance, glycaemic control, blood glucose and glycosylated haemoglobin have been reported with androgens. In diabetic patients, medication requirements may change.

When androgens are used simultaneously with oral anti-coagulants, the anti-coagulant effects may be increased. More frequent monitoring of INR and prothrombin time is recommended in patients taking anticoagulants, especially at the initiation and termination of androgen therapy.

The concurrent use of testosterone with adrenocorticotrophic hormone (ACTH) or corticosteroids may result in increased fluid retention and should be monitored, particularly in patients with cardiac, renal or hepatic disease.

Concurrent administration of testosterone and bupropion may result in a lowered seizure threshold.

Concurrent administration with ciclosporin may result in increased ciclosporin toxicity and elevated ciclosporin blood levels.

## **Special populations**

*Women with antidepressant emergent sexual dysfunction:* Concurrent administration of TestaFeme in women with SSRI/SNRI treatment-emergent loss of libido may increase frequency of satisfying sexual events (SSEs) without change in mood, general well-being, or depression.

## **4.6 Fertility, pregnancy and lactation**

### ***Fertility***

TestaFeme has not been evaluated for possible effects on human fertility. Studies in animals have shown that testosterone has the potential to disrupt ovulation and impair fertility in females.

### ***Pregnancy***

Testosterone is contraindicated in women who are or who anticipate becoming pregnant (see section 4.3). Pregnant women must avoid any contact with TestaFeme application sites.

Studies with testosterone in pregnant animals indicate the potential for adverse effects on embryofetal development, including on the reproductive tract and cardiovascular system.

Exposure of a foetus to androgens may result in varying degrees of virilisation. In the event of contact, women are advised to wash with soap and water as soon as possible.

### ***Lactation***

Testosterone suppresses prolactin in lactating females and may cause adverse effects in the infant. TestaFeme must not be used in breast-feeding women (see section 4.3).

Care should be taken by breastfeeding women to avoid any contact with TestaFeme. In the event of contact, wash with soap and water as soon as possible.

## **4.7 Effects on ability to drive and use machines**

No studies on the effects on the ability to drive and use machines have been performed.

Patients should ensure that they do not engage in activities involving driving and the use of machines until they are aware of the measure to which TestaFeme affects them.

#### 4.8 Undesirable effects

The following adverse events have been reported in clinical trials in postmenopausal women, using transdermal testosterone preparations providing similar systemic exposure to testosterone as TestaFeme when used as directed in section 4.2. That is, when physiological testosterone concentrations for premenopausal women are approximated.

Table 1. Common adverse events reported in clinical trials

Adverse Events	Testosterone	Placebo
	N (%)	N (%)
Acne	122 (7,5)	83 (0,5)
Increased hair growth	212 (8,6)	106 (6,1)
Alopecia	55 (4,5)	55 (4,4)
Voice change	48 (3,7)	44 (3,4)

Headache, abdominal bloating, and constipation have been reported in association with TestaFeme.

In women, the inhibitory action of androgens on the activity of the anterior pituitary may result in the suppression of ovarian activity and menstruation. Continued administration of large doses may produce symptoms of virilism, such as male-pattern hirsutism or baldness, deepening of the voice, atrophy of the breasts and endometrial tissue, oily skin, acne, hypertrophy of the clitoris and suppression of lactation.

Potential side effects from excessive testosterone doses may include:

- nausea, vomiting, jaundice or swelling of the ankles,
- increased body hair,
- increased acne,
- signs of virilisation,
- weight gain,
- persistent headaches,
- deepening of the voice,
- electrolyte disturbances,
- polycythemia.

#### *Reporting of suspected adverse reactions*

Reporting suspected adverse reactions after authorisation of the medicine is important. It allows continued monitoring of the benefit/risk balance of the medicine. Health care providers are asked to report any suspected adverse reactions to SAHPRA via the “6.04 Adverse Drug Reactions & Quality Problem Reporting Form”, found online under SAHPRA’s publications:

<https://www.sahpra.org.za/Publications/Index/8>

## **4.9 Overdose**

No cases of overdose with TestaFeme have been reported in clinical trials.

Treatment of overdose would consist of discontinuation of TestaFeme together with appropriate symptomatic and supportive care. Wash the skin with soap and water.

## **5 PHARMACOLOGICAL PROPERTIES**

### **5.1 Pharmacodynamic properties**

Pharmacotherapeutic group: Androgens. ATC code: G03B A03.

### ***Mechanism of action***

Testosterone is the primary androgenic hormone. Testosterone and its 5 $\alpha$ -reduced metabolite dihydrotestosterone (DHT) activate the intracellular androgen receptor and modulate gene transcription. Testosterone is produced in the adrenal glands and the ovaries in females.

In males, testosterone is responsible for the normal growth and development of the male sex organs and for maintenance of secondary characteristics.

In women androgens act directly via the androgen receptors in tissues, such as bone, skin fibroblasts, hair follicles and sebaceous glands. Testosterone is a precursor hormone for estrogen biosynthesis in the ovaries and at extragonadal sites - bone, brain, cardiovascular and adipose tissues. Testosterone exerts an influence on female sexuality and has a physiological role in bone development and maintenance of mineralisation.

### **Clinical trials**

The clinical efficacy of TestaFeme cream is supported by literature evidence consisting of four meta-analyses and/or systematic reviews and four individual clinical trials. Of these publications, the meta-analysis by Achilli 2017 and clinical trial by El-Hage 2007 are considered pivotal and are summarised below. The meta-analysis Achilli 2017 was designed to systematically review and summarise the existing evidence related to the efficacy and safety of transdermal testosterone in postmenopausal women when used to treat hypoactive sexual desire disorder (HSDD).

The criteria used to select individual studies for analysis were, that they should be randomised clinical trials, and that they were performed in postmenopausal women who were either on estrogen  $\pm$  progesterone hormone therapy (HT) or not on HT (both surgically and naturally postmenopausal women) with HSDD, and who were treated with transdermal testosterone. The study outcomes were compared with either placebo or no treatment. Transdermal testosterone therapy could be administered as a patch or gel formulation.

Seven studies were included enrolling 3 035 participants. The sample size per study varied across the trials and ranged from 76 to 814 participants. In total, 1 350 women were randomised to treatment with transdermal testosterone and 1 379 women were randomised to placebo.

The assessment of methodological quality for risk of bias was based on Cochrane risk of bias assessment tool which considers allocation (random sequence generation and allocation concealment), blinding of participants and personnel, blinding of outcome assessors, incomplete outcome data, selective reporting, and other bias. The overall risk of each source of bias affecting studies was generally rated as low, with the exception of attrition bias (incomplete outcome data).

Hypoactive Sexual Desire Disorder symptoms were assessed using the same instruments (Sexual Activity Log (SAL), Profile of Female Sexual Function (PFSF), and Personal Distress Score (PDS) in all seven studies.

Compared to placebo, transdermal testosterone produced:

- significantly more Satisfying Sexual Episodes (MD, 0,92; 95 % CI, 0,65, 1,19;  $P < .00001$ );
- significantly more desire (MD, 6,09; 95 % CI, 4,51, 7,68;  $P < .00001$ );
- significant reduction in personal distress scores (MD, -8,15; 95 % CI, -10,60, -5,70;  $P < .00001$ );
- no difference in plasma lipid profiles, carbohydrate metabolism, and renal and liver function as assessed by clinical chemistry and haematology indices.

EI-Hage 2007 study is a placebo-controlled, double blind cross over trial comparing the safety and efficacy of 10 mg of TestaFeme cream to placebo in postmenopausal women with HSDD.

The primary hypothesis was that the BISF-W scores of menopausal women who have taken oestrogen and testosterone cream for a period of 3 months will be significantly higher (20 %) at 80 % power ( $p < 0,05$ ) than the scores of women using oestrogen alone. The BISF-W is a 22-item multiple-choice questionnaire that has been used in previous studies of menopausal women. It provides scores for sexual thoughts, arousal, frequency of sex, sexual receptivity,

pleasure, satisfaction with their relationship and sexual problems. The total BISF-W score ranges from -16 (poor function) to +75 (maximal function).

The study consisted of two double-blind, 12-week treatment periods separated by a single-blind, 4-week, washout period. Subjects were then randomised to either 10 mg TestaFeme or placebo cream, 1 mL daily applied to the non-blood collecting forearm for 12 weeks. At the end of the first period, all subjects stopped the test cream for 4 weeks (wash-out period), then proceeded to the second period where they received the alternate cream for another 12 weeks.

Participants were required to have undergone a hysterectomy, have decreased sexual motivation (a BISF-W score less than 33,6), be in a stable relationship for at least 6 months (assessed by the sex therapist), have a thyroid stimulating hormone (TSH) serum concentration of between 0,220 and 3,20 mIU/L (i.e., normal thyroid function) and record a postmenopausal follicle stimulating hormone (FSH) concentration of more than 30 U/L.

Participants were evaluated by a psychologist, who undertook a comprehensive psychosexual history, to exclude depression or underlying socio-sexual problems that may be contributing to their HSDD.

Thirty-six women were randomised and 33 completed the study. Their mean age was 54 years and average body mass index was 25,4 kg/m<sup>2</sup>.

The mean ( $\pm$  standard deviation) BISF-W composite scores were similar for the two groups at the commencement of the study. After 12 weeks of treatment, no effect on the BISF-W scores was seen in the placebo group ( $21,05 \pm 10,41$  at baseline versus  $21,52 \pm 12,57$  at week 12). In contrast, the testosterone active treatment saw a mean increase by 8,8 points (from  $19,85 \pm 10,67$  to  $28,45 \pm 11,28$ ; 44 % increase,  $p = 0,000$ ).

The mean serum total testosterone concentrations were similar between the testosterone ( $2,1 \pm 1,2$  nmol/L) and placebo groups ( $1,6 \pm 0,5$  nmol/L) at the commencement of the study. The normal reference range was taken to be  $< 2,6$  nmol/L.

The mean serum testosterone concentration in women on active treatment was  $4,1 \pm 1,8$  nmol/L at week 6 and  $3,8 \pm 2,5$  nmol/L at week 12. At the end of 12 weeks, the active treatment

increased serum testosterone by an average of 1,8 nmol/L. No such rise was seen for the placebo group. Serum oestradiol and SHBG levels were similar in both groups and in all phases.

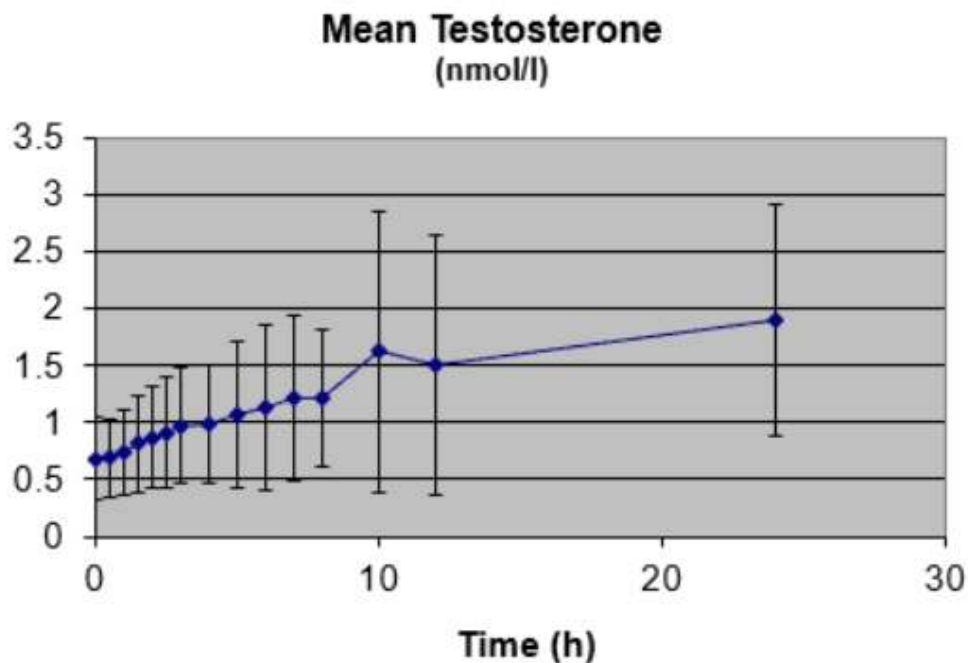
## 5.2 Pharmacokinetic properties

### Absorption

The skin acts as a reservoir for the release of testosterone into the systemic circulation. Testosterone absorption into the blood continues throughout the entire 24-hour dosing interval, with concentrations increasing after each application until steady state is achieved at about 14 days from the start of treatment.

Mean serum testosterone in the first 24 hours following administration of a 1 ml (10 mg testosterone) cream applied to the inner forearm of 12 postmenopausal women aged 40 – 70 years are reflected in Figure 2.

Figure 2.



After the single-dose application of 5 mg of TestaFeme cream to the upper thigh / lower buttock at steady state (day 22), the mean peak level ( $C_{max}$ ) of total testosterone (TT) was found to be

2,437 ± 1,668 nmol/l (range 0,728 – 6,275 nmol/l) and that of free testosterone (fT) was found to be 28,99 ± 22,99 pmol/l (range 10,47 – 88,40 pmol/l).

Across the 24-hour blood sampling period, the mean  $C_{avg}$  for TT and fT were 1,505 ± 0,856 nmol/l (range 0,433 – 3,571 nmol/l) and 17,34 ± 11,72 pmol/l (range 7,94 – 50,27 pmol/l), respectively.

### **Distribution**

The majority of testosterone binds to SHBG and albumin and is biologically inactive. Testosterone also circulates unbound as a free hormone and is considered biologically active. In circulation, testosterone is loosely bound to albumin (~30 – 45 %) and more strongly bound to SHBG (~65 %) with a small fraction (1 – 3 %) circulating as “free testosterone”.

### **Metabolism**

Testosterone is metabolised primarily in the liver and also in peripheral tissue. DHT and oestradiol (E2) are products of testosterone metabolism.

DHT is produced by reduction through the action of the enzyme 5-alpha reductase, which is present in genital tissue and skin. DHT is further metabolised to 3-alpha and 3-beta androstenediol. DHT binds with greater affinity to SHBG than does testosterone. E2 is produced by aromatisation of testosterone.

### **Excretion**

90 % of testosterone is excreted in the urine as glucuronide and sulphate conjugates of testosterone and its metabolites.

## **5.3 Preclinical safety data**

### **Genotoxicity**

The genotoxic potential of testosterone has not been fully investigated in a comprehensive

battery of genotoxicity studies. However, testosterone was found not to be clastogenic when tested *in vitro* in assays with hamster lung fibroblasts or in mouse or hamster embryo fibroblasts, or in *in vivo* chromosome aberration assays in mouse bone marrow cells and spermatocytes. Testosterone was also negative in assays for unscheduled DNA synthesis in rat and human hepatocytes.

### **Carcinogenicity**

A relationship between androgen treatment and certain cancers has been found in laboratory animals. Experimental data in rats have shown increased incidences of prostate cancer after treatment with testosterone.

Sex hormones are known to promote the growth of certain hormone-dependent tissues and tumours. Subcutaneous implantation of testosterone produced cervical-uterine tumours in female mice, which metastasised in some cases. Metastasising prostatic adenocarcinomas occurred in male rats after chemical induction and subcutaneous implantation of testosterone. Testosterone is also known to increase the number of tumours and decrease the degree of differentiation of chemically induced carcinomas of the liver in rats.

## **6 PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Almond oil

Butylated hydroxytoluene

Carbomer 940

Cetomacrogol 1000

Cetostearyl alcohol

Citric acid

DL-alpha-tocopheryl acetate

Phenonip (PI 10352) contains methyl-, ethyl-, propyl-, iso-butyl- and butylhydroxybenzoates

Trolamine

Purified water.

## **6.2 Incompatibilities**

Not applicable.

## **6.3 Shelf life**

36 months.

## **6.4 Special precautions for storage**

The tube should not be opened until immediately prior to application of the cream.

Store at or below 25 °C. Do not freeze.

In-use storage: TestaFeme should be used within 125 days of opening.

## **6.5 Nature and contents of container**

TestaFeme is supplied in a 50 ml sealed tube with a dose applicator marked with 0,25 ml graduations in a carton.

## **6.6 Special precautions for disposal and other handling**

No special precautions.

## **7 HOLDER OF CERTIFICATE OF REGISTRATION**

PHARMACORP (PTY) LTD

29 Victoria Link

Route 21 Business Park, Irene,

Pretoria, 0178

RSA

**8 REGISTRATION NUMBER:** 55/ 21.7/0726

**9 DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION**

31 October 2023

**10 DATE OF REVISION OF THE TEXT**