



## PACKAGE INSERT

**SCHEDULING STATUS: S4**

**PROPRIETARY NAMES AND DOSAGE FORMS:**

SEFTRY 0,5 (Powder for solution for injection)  
SEFTRY 1,0 (Powder for solution for injection)  
SEFTRY 2,0 (Powder for solution for injection)

**Composition:**

SEFTRY 0,5: Each vial contains: dry, sterile ceftriaxone sodium equivalent to 0,5 g Ceftriaxone.  
SEFTRY 1,0: Each vial contains: dry, sterile ceftriaxone sodium equivalent to 1,0 g Ceftriaxone.  
SEFTRY 2,0: Each vial contains: dry, sterile ceftriaxone sodium equivalent to 2,0 g Ceftriaxone.

Sugar free.

**PHARMACOLOGICAL CLASSIFICATION:**

A 20.1.1 Broad and medium spectrum antibiotics

**PHARMACOLOGICAL ACTION:**

Ceftriaxone is a third generation cephalosporin. The bactericidal activity of ceftriaxone results from inhibition of bacterial cell wall synthesis.

**Pharmacokinetic properties:**

**Absorption:**

The maximum concentration after a single intramuscular (IM) dose of 1,0 g is about 81 mg/l and is reached within 2 to 3 hours after administration.

The area under the plasma concentration versus time curve (AUC) after intramuscular (IM) administration is equivalent to that after intravenous (IV) administration of an equivalent dose, indicating 100 % bioavailability of intramuscularly administered ceftriaxone.

**Distribution:**

The apparent volume of distribution of ceftriaxone is 0,13 to 0,19 l/kg. Ceftriaxone shows good tissue penetration and body-fluid distribution after a dose of 1 to 2 g; concentrations well above the minimum inhibitory concentrations of most pathogens responsible for infection are detectable for more than 24 hours in body-fluids or tissues including lung, heart, biliary tract/liver, tonsil, middle ear and nasal mucosa, bone as well as cerebrospinal, pleural, prostatic and synovial fluids.

**Protein binding:**

Ceftriaxone is reversibly bound to albumin. There is proportionally decreased albumin binding with an increase in plasma concentration of ceftriaxone.

**Penetration into particular tissues:**

**Paediatrics:**

Ceftriaxone penetrates the inflamed meninges of neonates, infants and children. Ceftriaxone concentrations exceed 1,4 mg/l in the cerebrospinal fluid (CSF) 24 hours after IV injection in doses of 50 mg/kg in neonates to 100 mg/kg in infants. Peak concentration in CSF with a mean of 18 mg/l is reached about 4 hours after intravenous injection.

Mean CSF concentrations are 17 % of plasma concentrations in patients with bacterial meningitis and 4 % in patients with aseptic meningitis.

The mean values of maximum plasma concentration, elimination half-life, plasma clearance and volume of distribution after a 50 mg/kg IV dose and after a 75 mg/kg IV dose in paediatric patients suffering from bacterial meningitis are shown in the table below.

**Mean pharmacokinetic parameters of ceftriaxone in paediatric patients with meningitis:**

	50 mg/kg IV	75 mg/kg IV
Maximum plasma concentrations (µg/ml)	216	275
Elimination half-life (h)	4,6	4,3
Plasma clearance (ml/h/kg)	49	60
Volume of distribution (ml/kg)	338	373
CSF concentration – inflamed meninges (µg/ml)	5,6	6,4
Range (µg/ml)	1,3 to 18,5	1,3 to 44
Time after dose (h)	3,7 (± 1,6)	3,3 (± 1,4)

**Adults:**

In meningitis in adults, administration of 50 mg/kg leads within 2 to 24 hours to CSF concentrations several times higher than the minimum in-vitro inhibitory concentrations required for the most common meningitis pathogens.

Ceftriaxone crosses the placental barrier and is excreted in the breast milk in low concentrations.

In healthy, young adult volunteers the total plasma clearance is 10 to 22 ml/min.

The renal clearance is 5 to 12 ml/min. 50 to 60 % of ceftriaxone is excreted unchanged in the urine, while 40 to 50 % is excreted unchanged in the bile. The elimination half-life in adults is about 8 hours.

**Pharmacokinetics in special clinical situations:**

**Neonates:**

Urinary recovery accounts for about 70 % of the dose.

**Infants less than eight days old and elderly persons aged over 75 years:**

Elimination half-life is usually 2 to 3 times that in young adults.

**Patients with renal or hepatic dysfunction:**

The pharmacokinetics of ceftriaxone are only minimally altered and the elimination half-life is only slightly increased.

**Impaired kidney function alone:**

Biliary elimination of ceftriaxone is increased.

**Impaired liver function alone:**

Renal elimination of ceftriaxone is increased.

**Micro-organisms resistant to ceftriaxone:**

Methicillin-resistant *Staphylococcus* species; *Enterococcus faecum*; *Listeria monocytogenes*; *Pseudomonas aeruginosa*; *Ureaplasma urealyticum*; *Mycoplasma* species; *Mycobacterium* species; some isolates of *Bacteroides* species (bile sensitive); and most strains of *Clostridium difficile*.

**INDICATIONS:**

**SEFTRY is indicated for the treatment of the following infections:**

Bacterial septicaemia caused by:

Methicillin-sensitive *Staphylococcus aureus* (MSSA), *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Escherichia coli* or *Klebsiella pneumoniae*.

**Meningitis caused by:**

*Haemophilus influenzae*, *Neisseria meningitidis*, or *Streptococcus pneumoniae*.

**Intra-abdominal infections caused by:**

*Escherichia coli*, *Klebsiella pneumoniae*, or *Peptostreptococcus species*.

**Skin and skin structure infections caused by:**

Methicillin-sensitive *Staphylococcus aureus* (MSSA), *Streptococcus pyogenes*, *Streptococcus viridans* group, *Escherichia coli*, *Enterobacter cloacae*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Proteus mirabilis*, *Morganella morganii*, *Serratia marcescens*, or *Peptostreptococcus species*.

**Bone and joint infections caused by:**

Methicillin-sensitive *Staphylococcus aureus* (MSSA), *Streptococcus pneumoniae*, *Escherichia coli*, *Proteus mirabilis*, *Klebsiella pneumoniae*, or *Enterobacter species*.

**Renal and urinary tract infections (complicated and uncomplicated) caused by:**

*Escherichia coli*, *Proteus mirabilis*, *Proteus vulgaris*, *Morganella morganii*, or *Klebsiella pneumoniae*.

**Respiratory tract infections caused by:**

*Streptococcus pneumoniae*, *Haemophilus influenzae*, *Escherichia coli*, *Enterobacter aerogenes*, *Proteus mirabilis*, or *Serratia marcescens*.

**Ear, nose and throat infections (acute bacterial otitis media) caused by:**

*Streptococcus pneumoniae*, *Haemophilus influenzae*, (including beta-lactamase-producing strains), or *Moraxella catarrhalis* (including beta-lactamase-producing strains).

**Uncomplicated gonorrhoea (cervical/urethral and rectal) caused by:**

*Neisseria gonorrhoeae*, including both beta-lactamase- and non-beta-lactamase-producing strains, and pharyngeal gonorrhoea caused by non-beta-lactamase-producing strains of *Neisseria gonorrhoeae*.

**Peri-operative infection prophylaxis:**

**CONTRAINDICATIONS:**

SEFTRY is contraindicated in patients with known hypersensitivity to beta-lactam antibiotics.

In patients hypersensitive to penicillin, the possibility of allergic cross-reactions should be borne in mind.

Hyperbilirubinaemic neonates, especially prematures, should not be treated with SEFTRY.

*In-vitro* studies have shown that ceftriaxone can displace bilirubin from its binding to serum albumin and bilirubin encephalopathy can possibly develop in the patients.

SEFTRY is contraindicated in:

- Premature newborns up to a corrected age of 41 weeks (weeks of gestation + weeks of life),

- Full-term newborns (up to 28 days of age) with jaundice, or who are hypoalbuminaemic or acidotic because these are conditions in which bilirubin binding is likely to be impaired.

- Full-term newborns (up to 28 days of age) if they require (or are expected to require) IV calcium treatment, or calcium-containing infusions because of the risk of precipitation of ceftriaxone-calcium.

Contraindications of lignocaine must be excluded before intramuscular injection of SEFTRY when lignocaine is used as solvent.

**WARNINGS AND SPECIAL PRECAUTIONS:**

**In patients of any age SEFTRY must not be mixed or administered simultaneously with any calcium-containing IV solutions, even via different infusion lines or at different infusion sites. However, in patients older than 28 days of age SEFTRY and calcium-containing solutions may be administered sequentially one after another if infusion lines at different sites are used, or if the infusion lines are replaced or thoroughly flushed between infusions with physiological salt-solution to avoid precipitation.**

**In patients requiring continuous infusion with calcium-containing TPN solutions, healthcare professionals may wish to consider the use of alternative antibacterial treatments which do not carry a similar risk of precipitation.**

**If use of SEFTRY is considered necessary in patients requiring continuous nutrition, TPN solutions and SEFTRY can be administered simultaneously, albeit via different infusion lines at different sites. Alternatively, infusion of TPN solution could be stopped for the period of SEFTRY infusion, considering the advice to flush infusion lines between solutions.**

**Cases of fatal reactions with calcium-ceftriaxone precipitates in lungs and kidneys in both premature and full-term newborns aged less than 1 month have been described. In some cases the infusion lines and times of administration of ceftriaxone and calcium-containing solutions differed. In the available scientific data, there are no reports of confirmed intravascular precipitations in patients, other than newborns, treated with SEFTRY and calcium-containing solutions or any other calcium-containing products. In vitro studies demonstrated that newborns have an increased risk of precipitation of ceftriaxone-calcium compared to other age groups.**

(see "CONTRAINDICATIONS" and "SIDE EFFECTS")

**Do not use diluents containing calcium, such as Ringer's solutions or Hartman's solution to reconstitute SEFTRY or to further dilute a reconstituted vial for IV administration because a precipitate can form. Precipitation of ceftriaxone-calcium can also occur when ceftriaxone is mixed with calcium-containing solutions in the same IV administration line. Therefore, ceftriaxone and calcium-containing solutions must not be mixed or administered simultaneously.**

**Interaction with calcium-containing products:**

There are no reports to date of intravascular or pulmonary precipitations in patients, other than neonates, treated with ceftriaxone and calcium-containing IV solutions. However, the theoretical possibility exists for an interaction between ceftriaxone and IV calcium-containing solutions in patients other than neonates. Therefore, SEFTRY and calcium-containing solutions, including continuous calcium-containing infusions such as parenteral nutrition, should not be mixed or co-administered to any patient irrespective of age even via different infusion lines at different sites. As a further theoretical consideration and based on 5 half-lives of ceftriaxone, SEFTRY and IV calcium-containing solutions should not be administered within 48 hours of each other in any patient (see "CONTRAINDICATIONS" and "DOSAGE AND DIRECTIONS FOR USE").

No data are available on potential interaction between ceftriaxone and oral calcium-containing products or interaction between intramuscular ceftriaxone and calcium-containing products (IV or oral).

**Special Precautions:**

Pseudomembranous enterocolitis and coagulation disorders have been reported with SEFTRY. It is important to consider pseudomembranous enterocolitis in patients who present with diarrhoea subsequent to the administration of SEFTRY. Superinfections with non-susceptible micro-organisms may occur.

Shadows, which have been mistaken for gallstones, have been detected on sonograms of the gallbladder, usually following doses higher than the standard recommended dose.

These shadows are however precipitates of calcium ceftriaxone, which disappear on completion or discontinuation of SEFTRY therapy. In symptomatic cases, conservative non-surgical management is recommended.

Cases of pancreatitis, possibly of biliary obstruction aetiology, have been reported in patients treated with SEFTRY. Most patients who developed pancreatitis have had risk factors associated with biliary stases and biliary sludge, e.g. severe illness and total parenteral nutrition.

Ceftriaxone displaces bilirubin from serum albumin.

**SEFTRY is not recommended for use in neonates (especially premature) at risk of developing bilirubin encephalopathy. (See CONTRAINDICATIONS)**

**Effects on ability to drive and use machinery:**

Since SEFTRY sometimes induces dizziness the ability to drive and use machines can be impaired.

**INTERACTIONS:**

Interactions of SEFTRY with calcium containing products (See WARNINGS AND SPECIAL PRECAUTIONS, DOSAGE AND DIRECTIONS FOR USE)

Renal function impairment has not been observed after concurrent administration of large doses of SEFTRY and potent diuretics (e.g. furosemide). There is no evidence that SEFTRY increases renal toxicity of aminoglycosides.

No effect similar to that of disulfiram has been demonstrated after ingestion of alcohol subsequent to the administration of SEFTRY.

Ceftriaxone does not contain an N-methylthiotetrazole moiety associated with possible ethanol intolerance and bleeding problems of certain other cephalosporins.

In an *in vitro* study antagonistic effects have been observed with the combination of chloramphenicol and SEFTRY.

The elimination of SEFTRY is not altered by probenecid.

SEFTRY may adversely affect the efficacy of oral hormonal contraceptives. Consequently, it is advisable to use supplementary (non-hormonal) contraceptive measures during treatment and in the month following treatment.

**Interaction with laboratory tests:**

In patients treated with SEFTRY the Coombs' test and tests for galactosaemia may in rare cases be false-positive.

Non-enzymatic methods for glucose determination in urine may give false-positive results.

**HUMAN REPRODUCTION:**

SEFTRY crosses the placental barrier, and is excreted in breast-milk.

Safety in pregnancy and lactation has not been established.

**DOSAGE AND DIRECTIONS FOR USE:**

Do not use diluents containing calcium, such as Ringer's solution or Hartman's solution to reconstitute SEFTRY vials or to further dilute a reconstituted v



## VOUBLIJET

**SKEDULERINGSTATUS: [S4]**

**EIENDOMSNAME EN DOSEERVORMS**

SEFTRY 0,5 poeier vir oplossing vir inspuiting  
SEFTRY 1,0 poeier vir oplossing vir inspuiting  
SEFTRY 2,0 poeier vir oplossing vir inspuiting

**Samestelling**

SEFTRY 0,5: Elke flessie bevat droë, steriele natriumkeftriaksoon gelykstaande aan 0,5 g keftriaksoon.  
SEFTRY 1,0: Elke flessie bevat droë, steriele natriumkeftriaksoon gelykstaande aan 1,0 g keftriaksoon.  
SEFTRY 2,0: Elke flessie bevat droë, steriele natriumkeftriaksoon gelykstaande aan 2,0 g keftriaksoon.

Suikervry,

**FARMAKOLOGIESE KLASIFIKASIE**

A. 20.1.1 Bréé- en mediumspektrumantibiotika

**FARMAKOLOGIESE WERKING:**

Keftriaksoon is 'n derdegenerasie kefalosporien. Die bakterisidiese aktiwiteit van keftriaksoon is vanweë remming van bakteriële selwallsintese.

**Farmakokinetiese eienskappe**

**Absorpse**

Die maksimum konsentrasie na 'n enkele intramuskulêre (IM) dosis van 1,0 g is ongeveer 81 mg/liter en word binne 2 tot 3 uur na toediening bereik.

Die oppervlak (area) onder die kurwe van plasmakonsentrasie teenoor tyd (AOK) na intramuskulêre (IM) toediening is gelykstaande aan dié na intraveneuse (IV) toediening van dieselfde dosis wat 100 % biobeskikbaarheid van die intramuskulêr toegediende keftriaksoon aantoon.

**Verspreiding**

Die oënskytelike volume van verdeling van keftriaksoon is 0,13 tot 0,19 l/kg. Keftriaksoon vertoon na 'n dosis van 1 tot 2 g goeie penetratie in weefsel en verdeling in liggaamsvloeistof; konsentrasies heelwat bo die minimum inhibisiekonsentrasie van die meeste patogene verantwoordelik vir infeksie is vir meer as 24 uur waarnembaar in liggaamsvloeistof van weefsels waaronder die longe, hart, galweg/lever, mangledoor, middelloor en neusmukosa, bors en serebrospinale, pleurale, prostaat- en sinoviale vloeistof.

**Proteïnebinding**

Keftriaksoon bind omkeerbaar aan albumien. Daar is 'n proporsionele afname in binding aan albumien soos wat die plasmakonsentrasie van keftriaksoon toeneem.

**Penetratie in spesifieke weefsels**

Kinders

Keftriaksoon penetreer die ontsteekte meninges van pasgeborenes, babas en kinders. Konsentrasies van keftriaksoon oorskry 1,4 mg/l in die serebrospinale vloeistof (SSV) 24 uur na intraveneuse oplossing van dosisse van 50 mg/kg in pasgeborenes tot 100 mg/kg in babas. Piekkonsentrasie in SSV met 'n gemiddeld van 18 mg/l word ongeveer 4 uur na intraveneuse oplossing bereik.

Gemiddelde konsentrasies in die SSV is 17 % van die plasmakonsentrasies in pasiënte met bakteriële meningitis en 4 % in pasiënte met aseptiese meningitis.

Die gemiddelde waardes van maksimum konsentrasie in die plasma, eliminasielalteftyd, plasma-opruiming en volume van verdeling na 'n intraveneuse dosis van 50 mg/kg en na 'n intraveneuse dosis van 75 mg/kg aan pediatrise pasiënte wat aan bakteriële meningitis ly, word in die tabel hieronder gegee.

**Gemiddelde farmakokinetiese parameters van keftriaksoon in pediatrise pasiënte met meningitis**

	50 mg/kg IV	75 mg/kg IV
Maksimum plasmakonsentrasies (µg/ml)	216	275
Eliminasielalteftyd (h)	4,6	4,3
Plasma-opruiming (ml/h/kg)	49	60
Volume van verdeling (ml/kg)	338	373
SSV-konsentrasie – ontsteekte breinvlies (µg/ml)	5,6	6,4
Gebied (µg/ml)	1,3 tot 18,5	1,3 tot 44
Tyd na dosering (h)	3,7 (± 1,6)	3,3 (± 1,4)

**Volwassenes**

Tydens meningitis in volwassenes lei toediening van 50 mg/kg binne 2 tot 24 uur tot konsentrasies in die SSV van etlike kere hoër is as die minimum in vitro inhibisiekonsentrasie nodig vir die meeste algemene patogene wat meningitis veroorsaak. Keftriaksoon kruis die plasentale skans en word in lae konsentrasies in borsmelk uitgeskei. In gesonde jong volwasse vrouvrywilligers is die totale opruiming uit die plasma 10 tot 22 ml/min. Die opruiming deur die niere is 5-12 ml/min. 50 tot 60 % van die keftriaksoon word onveranderd in die urien uitgeskei terwyl 40 - 50 % onveranderd in die gal uitgeskei word. Die eliminasielalteftyd in volwassenes is ongeveer 8 uur.

**Farmakokinetika in spesiale kliniese situasies**

**Pasgeborenes:**

Herwinning uit die urien bedra ongeveer 70 % van die dosis.

**Babas jonger as agt dae en bejaarde persone ouer as 75 jaar:**

Die eliminasielalteftyd is gewoonlik 2 tot 3 keer dié van jong volwassenes.

**Pasiënte met nier- of leverdisfunksie:**

Die farmakokinetika van keftriaksoon verskil slegs minimaal en die eliminasielalteftyd slegs effens langer.

**Slegs swak nierfunksie:**

Uitskeiding van keftriaksoon in die gal is hoër.

**Slegs swak leverfunksie:**

Uitskeiding van keftriaksoon deur die niere is hoër.

**Mikro-organismes wat weerstandig teenoor keftriaksoon is**

Metillisienverstaande *Staphylococcus*-spesies; *Enterococcus faecium*; *Listeria monocytogenes*, *Pseudomonas aeruginosa*; *Ureaplasma urealyticum*; *Mycoplasma*-spesies; *Mycobacterium*-spesies; sommige isolate van *Bacteroides*-spesies (gaisensitief); en die meeste stamme van *Clostridium difficile*

**INDIKASIES**

**SEFTRY is aangedui vir die behandeling van die volgende infeksies:**

Bakteriële septisemie veroorsaak deur:

Metillisienverstaande *Staphylococcus aureus* (MSSA), *Streptococcus pneumoniae*, *Haemophilus influenzae*, *Escherichia coli* of *Klebsiella pneumoniae*.

**Meningitis** veroorsaak deur:

*Haemophilus influenzae*, *Neisseria meningitidis* of *Streptococcus pneumoniae*.

**Infeksies van die vel en velstrukture** veroorsaak deur:

*Escherichia coli*, *Klebsiella pneumoniae* of *Pestotreptococcus*-spesies.

**Infeksies van skeletbene en gewrichte** veroorsaak deur:

Metillisienverstaande *Staphylococcus aureus* (MSSA), *Streptococcus pyogenes*, *Streptococcus viridans*-groep, *Escherichia coli*, *Enterobacter cloacae*, *Klebsiella oxytoca*, *Klebsiella pneumoniae*, *Proteus mirabilis*, *Morganella morganii*, *Serratia marcescens* of *Pestotreptococcus*-spesies.

**Infeksies van skeletbene en gewrichte** veroorsaak deur:

Metillisienverstaande *Staphylococcus aureus* (MSSA), *Streptococcus pneumoniae*, *Escherichia coli*, *Proteus mirabilis*, *Klebsiella pneumoniae* of *Enterobacter*-spesies.

**Nier- en urengewinfeksiës (gekompleteer en ongekompleteerde)** veroorsaak deur:

*Escherichia coli*, *Proteus mirabilis*, *Proteus vulgaris*, *Morganella morganii* of *Klebsiella pneumoniae*.

**Lugweginfeksiës** veroorsaak deur:

*Streptococcus pneumoniae*, metillisienverstaande *Staphylococcus aureus* (MSSA), *Streptococcus pneumoniae*, *Escherichia coli*, *Proteus mirabilis*, *Klebsiella pneumoniae* of *Enterobacter*-spesies.

**Nier- en urengewinfeksiës (gekompleteerde en ongekompleteerde)** veroorsaak deur:

*Escherichia coli*, *Proteus mirabilis*, *Proteus vulgaris*, *Morganella morganii* of *Klebsiella pneumoniae*.

**Ongekompleteerde gonorreë (servikaal/uretraal en rektaal)** veroorsaak deur:

*Neisseria gonorrhoeae*, waaronder stamme wat beta-laktamase produseer en die wat dit nie doen nie en faringeale gonorreë veroorsaak deur stamme van *Neisseria gonorrhoeae* wat nie beta-laktamase produseer nie.

**Peri-operatiewe profilakse van infeksies**

**KONTRAKLASSIKASIES**

SEFTRY is teenaaangedui vir pasiënte met bekende hypersensitiwiteit teenoor beta-laktamantibiotika. Vir pasiënte wat hypersensitief teenoor penisilline is, moet die moontlike gevrees van kruisreaksiës in gedagte gehou word.

Pasgeborenes met hiperbilirubinemie, en veral vroegegeborenes, moet nie met SEFTRY behandel word nie. In vitro-studies het getoon dat keftriaksoon bilirubin uit serumalbumien verplaas en enkefalopatye vanweë bilirubin kan in pasiënte ontwikkel.

SEFTRY is teenaaangedui vir:

- Premature pasgeborenes tot 'n gekorrigeerde ouderdom van 41 weke (weke swangerskap + weke na geboorte)

- Pasgeborenes na volle termyn (tot 28 dae oud) met geelsug of hipoalbuminie of asidoes omdat dit toestaande is waardryk bilirubinbinding waarskynlik swak is

- Pasgeborenes na volle termyn (tot 28 dae oud) as hulle intraveneuse kalsium of kalsiumbevattende infusies nodig het (of vermoedelik nodig het) vanweë die risiko vir neerslag van kalsiumkeftriaksoon.

Teenaanduidings van lignokäien moet voor intramuskulêre inspuiting van SEFTRY uitgesluit word as lignokäien in die oplossing gebruik word.

**WAARSKUWINGS EN SPESIALE VOORSORGMAATREELS**

SEFTRY moet nie vir pasiënte van enige ouderdom met enige kalsiumbevattende IV-oplossing gemeng of saam daarmee toegedien word nie en selfs nie deur ander infusiene of op ander infusieplekke nie. SEFTRY en kalsiumbevattende IV-oplossings kan egter aan pasiënte van enige ouderdom gegee word as die infusiene by verskillende plekke gebruik word of as die infusiene tussen infusies vervang of deeglik met fisiologiese soutoplossing gespoel word om neerslag te voorkom. Vir pasiënte wat kontinue infusie met oplossings met kalsium vir volle parentrale voeding (VPV) nodig het, kan die gesondheidskundige alternatiwe antibakteriële middels orweeg wat nie 'n risiko vir neerslag het nie.

As die gebruik van SEFTRY as nodig beskuw word vir pasiënte wat kontinue voeding nodig het, kan oplossings vir VPV en SEFTRY saam gegee word, hoewel met verskillende infusiene en op verskillende plekke. As alternatief kan infusie van die VPV tydens infusie van SEFTRY gestaak en die lyne tussen die infusiene deeglik gespoel word. Gevalle van dodelike reaksies met neerslag van kalsiumkeftriaksoon in die longe en niere van sowel premature as voltermyn-babas jonger as een maand is beskryf. In party gevalle het die infusiene toedieningstye van keftriaksoon en oplossings wat kalsium bevat, verskil. Daar is geen verslae in die beskikbare wetenskaplike data van bevestigde intravaskulêre neerslag in pasiënte, behalwe pasgeborenes, wat met SEFTRY en oplossings van die kalsiumbevattende IV-oplossings wat kalsium bevat, verskil.

Die gebruik van SEFTRY moet nie in die neerslag van kalsiumkeftriaksoon in die longe en niere van pasgeborenes, wat met SEFTRY en oplossings van die kalsiumbevattende IV-oplossings wat kalsium bevat, verskil.

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