

PARACETAMOL BIOTECH IV

SCHEDULING STATUS

S3

1. NAME OF THE MEDICINE

PARACETAMOL BIOTECH IV 10 mg/ml solution for infusion

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

PARACETAMOL BIOTECH IV contains 10.0 mg per mL paracetamol as active ingredient.
Each 100 mL vial contains 1.0 g paracetamol.
Sugar free.

Excipients with known effect:

Contains propylene glycol.

Contains sodium.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Solution for infusion.

A clear, colourless to slightly yellowish solution, free from foreign matter.

The pH of the solution is between 3.5 and 6.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

PARACETAMOL BIOTECH IV is indicated for:

The short-term treatment (not exceeding 24 hours) of mild to moderate pain e.g. after dental procedures and minor orthopaedic procedures, and the short-term treatment of fever, when the oral route is unsuitable.

4.2 Posology and method of administration

Posology

DO NOT EXCEED THE RECOMMENDED DOSE.

Unintentional overdose can lead to serious liver damage and death. Healthcare providers are reminded that it is essential to follow both the weight-related dose recommendations and to consider individual patient risk factors for hepatotoxicity including hepatocellular insufficiency, chronic alcoholism, chronic malnutrition (low reserves of hepatic glutathione) and dehydration (see sections 4.4, 4.2 and 4.9).

Adults and adolescents weighing more than 50 kg:

PARACETAMOL BIOTECH IV 1 g per administration, i.e. one 100 mL vial, up to four times a day. The minimum interval between each administration must be 4 hours. The maximum daily dose must not exceed 4 g in 24 hours.

Adolescents and adults weighing less than 50 kg and children weighing more than 33 kg (approximately 11 years old):

PARACETAMOL BIOTECH IV: 15 mg/kg per administration, i.e. 1.5 mL solution per kg. The minimum interval between each administration must be 4 hours. The maximum daily dose must not exceed 60 mg/kg (without exceeding 3 g in 24 hours).

Dosing recommendations are presented in the table below:

Patient weight (non-oedematous weight)	Paracetamol dose (10 mg/mL) per administration	Minimum interval between each administration	Maximum daily dose*
> 50 kg	1 g (i.e. 100 mL vial up to 4 times a day)	4 hours	Must not exceed 4 g in 24 hours
> 33 kg and ≤ 50 kg	15 mg/kg (i.e. 1.5 mL solution per kg) up to 4 times a day	4 hours	≤ 60 mg/kg Must not exceed 3 g in 24 hours

* The maximum daily dose takes into account all the medicines containing paracetamol.

The dosage should be calculated on non-oedematous weight.

Special populations

Severe renal insufficiency:

It is recommended to leave a minimum interval of 6 hours between each administration in patients with severe renal impairment (creatinine clearance ≤ 30 mL/min) (see section 4.4).

Hepatic impairment:

In patients with impaired hepatic function, the maximum daily dose should not exceed 60 mg/kg/day (not exceeding 2 g/day) in the following situations:

- Adults weighing less than 50 kg.
- Chronic or compensated active hepatic disease, especially those with mild to moderate hepatocellular insufficiency.
- Gilbert's syndrome (familial hyperbilirubinaemia).
- Chronic alcoholism.
- Chronic malnutrition (low reserves of hepatic glutathione).
- Dehydration.

Method of administration

PARACETAMOL BIOTECH IV should be administered as a 15-minute intravenous infusion.

Careful monitoring to avoid air embolism is needed, notably at the end of the infusion, especially if a central venous catheter is used for the infusion.

Also see sections 6.2 and 6.6.

4.3 Contraindications

PARACETAMOL BIOTECH IV is contraindicated in:

- Situations where there is a hypersensitivity to paracetamol or to paracetamol hydrochloride (prodrug of paracetamol) or to any of the excipients of PARACETAMOL BIOTECH IV (see section 4.5).
- Cases of severe hepatocellular insufficiency or active liver disease including alcoholic hepatitis.
- Children weighing less than 33 kg (approximately 11 years old) as safety and efficacy have not been established.

4.4 Special warnings and precautions for use

It is recommended to use suitable oral analgesic treatment as soon as this administration route is possible.

Dosages of PARACETAMOL BIOTECH IV in excess of those recommended may cause severe liver damage.

Clinical symptoms and signs of liver damage are usually seen first after two days with a maximum usually after 4 – 6 days. Treatment with an antidote should be given as soon as possible as PARACETAMOL BIOTECH IV overdose may be fatal (see section 4.9).

In order to avoid the risk of overdose, ensure that the other medicines administered do not contain paracetamol.

PARACETAMOL BIOTECH IV can cause serious skin reactions such as acute generalised exanthematous pustulosis (AGEP), Stevens-Johnson syndrome (SJS), and toxic epidermal necrolysis (TEN), which can be fatal. Patients should be informed about the signs of serious skin reactions and use of the medicine should be discontinued at the first appearance of skin rash or any other sign of hypersensitivity.

PARACETAMOL BIOTECH IV contains paracetamol which may be fatal in overdose. In the event of overdose or suspected overdose and notwithstanding the fact that the person may be asymptomatic, the nearest doctor, hospital or poison centre must be contacted immediately.

Salicylates in prolonged treatments together with PARACETAMOL BIOTECH IV significantly increased the risk of analgesic nephropathy, renal papillary necrosis, end-stage renal diseases, and cancer of the urinary bladder. Do not exceed the recommended individual dosages for salicylates and PARACETAMOL BIOTECH IV (see section 4.5).

The anticoagulant effect could be increased when high doses of PARACETAMOL BIOTECH IV are used together with anticoagulants, such as warfarin (see section 4.5).

The risk of PARACETAMOL BIOTECH IV toxicity may be increased in patients receiving potentially hepatotoxic medicines or medicines that induce liver microsomal enzymes (see section 4.5).

Patients suffering from alcoholism, hepatitis, recovering from any form of liver disease or malnutrition should not use excessive quantities of PARACETAMOL BIOTECH IV.

PARACETAMOL BIOTECH IV should be used with caution in patients suffering from renal disease, as prolonged excessive use of paracetamol can produce nephropathy. Paracetamol-induced renal function impairment may be sufficiently severe and could result in uraemia, especially with prolonged use of high doses. In patients with renal impairment with a creatinine clearance of 30 mL/minute or less the elimination of paracetamol is delayed, therefore a 6 hourly dose interval is recommended (see section 4.2).

PARACETAMOL BIOTECH IV should be used with caution in cases of:

- Hepatocellular insufficiency, including Gilbert's syndrome (familial hyperbilirubinaemia) (see sections 4.2 and 4.3).
- Severe renal insufficiency (creatinine clearance ≤ 30 mL/min) (see sections 4.2 and 5.2).
- Chronic alcoholism, excessive alcohol intake (3 or more alcoholic drinks every day) (see section 4.3).
- Anorexia, bulimia or cachexia, chronic malnutrition (low reserves of hepatic glutathione).
- Dehydration, hypovolaemia.
- Glucose 6 phosphate dehydrogenase (G6PD) deficiency (may lead to haemolytic anaemia).

Store PARACETAMOL BIOTECH IV in a safe place out of reach of children.

Severe cutaneous adverse reactions (SCARS)

Severe cutaneous adverse reactions (SCARS) such as toxic epidermal necrolysis (TEN), Steven-Johnson syndrome (SJS), acute generalised exanthematous pustulosis (AGEP), drug rash with eosinophilia and systemic symptoms (DRESS) or drug-induced hypersensitivity syndrome (DIHS) and fixed drug eruptions (FDE) have been reported in patients treated with paracetamol containing medicines. If a patient develops SCARS, treatment with PARACETAMOL BIOTECH IV must immediately be discontinued and appropriate treatment instituted.

Excipients:
PARACETAMOL BIOTECH IV contains 800 mg propylene glycol in each 100 mL vial. Medical monitoring is required in patients with impaired renal or hepatic functions because various adverse events attributed to propylene glycol have been reported such as renal dysfunction (acute tubular necrosis), acute renal failure and liver dysfunction. While propylene glycol has not been shown to cause reproductive or developmental toxicity in animals or humans, it may reach the fetus and was found in milk. As a consequence, administration of propylene glycol to pregnant or lactating patients should be considered on a case by case basis (see section 4.6).

PARACETAMOL BIOTECH IV contains 200 mg sodium per vial, equivalent to 10 % of the WHO recommended maximum daily intake of 2 g sodium for an adult.

4.5 Interaction with other medicines and other forms of interaction

Effect of other medicines on PARACETAMOL BIOTECH IV:

Probenecid could increase the plasma concentrations of PARACETAMOL BIOTECH IV by almost a 2-fold reduction in clearance of paracetamol. A decrease in PARACETAMOL BIOTECH IV dose may be considered with concomitant use.

The absorption of paracetamol may be accelerated when used together with metoclopramide.

Salicylamide may prolong the elimination half-life of paracetamol as contained in PARACETAMOL BIOTECH IV.

Salicylates in prolonged treatments together with paracetamol significantly increased the risk of analgesic nephropathy, renal papillary necrosis, end-stage renal diseases, and cancer of the urinary bladder. The recommended individual doses for PARACETAMOL BIOTECH IV and the salicylates should not be exceeded.

Phenytoin administered concomitantly with PARACETAMOL BIOTECH IV may result in decreased paracetamol effectiveness and an increased risk of hepatotoxicity. Patients receiving phenytoin therapy should avoid large and/or chronic doses of paracetamol. Patients should be monitored for evidence of hepatotoxicity.

Flucoxacillin: Caution is advised when paracetamol is administered concomitantly with flucoxacillin due to the increased risk of high anion gap metabolic acidosis (HAGMA), particularly in patients with a risk factor for glutathione deficiency such as severe renal impairment, sepsis, malnutrition and chronic alcoholism. Close monitoring is recommended in order to detect the appearance of acid base disorders, namely HAGMA, including the search of urinary 5-oxoprolin.

Medicines that induce liver microsomal enzymes such as barbiturates or primidone could decrease the therapeutic effect of PARACETAMOL BIOTECH IV.

Concomitant use of PARACETAMOL BIOTECH IV and hepatic enzyme inducers should be used with caution as these medicines increase the risk of paracetamol induced hepatotoxicity. These substances include, but are not limited to barbiturates, isoniazid, rifampicin, carbamazepine, anticoagulants, zidovudine, amoxicillin, clavulanic acid, ethanol or hepatotoxic medicines.

Effect of PARACETAMOL BIOTECH IV on other medicines:

PARACETAMOL BIOTECH IV may increase the chance of unwanted effects when administered with other medicines. The anti-coagulant effects may increase when high doses of PARACETAMOL BIOTECH IV are used together with anticoagulants, coumarin (e.g. warfarin) and/or indandione derivatives. Increased monitoring of INR values should be conducted during the period of concomitant use, as well as 1 week after discontinuation of PARACETAMOL BIOTECH IV.

4.6 Fertility, pregnancy and breastfeeding

Pregnancy

Clinical experience of intravenous administration of paracetamol in pregnant women is limited. Epidemiological data from the use of oral therapeutic doses of paracetamol did not result in any unwanted effects in pregnant women or on the health of the fetus/new-born infant.

Prospective data on pregnancies exposed to overdose did not show an increase in malformation risk.

Reproductive studies with the intravenous form of paracetamol have not been performed in animals. However, studies with the oral route did not show any teratogenic or fetotoxic effects.

Nevertheless, PARACETAMOL BIOTECH IV should only be used during pregnancy after careful benefit/risk assessment, and the recommended dosage and duration must be strictly observed. Also see "Excipients" in section 4.4.

Breastfeeding

Paracetamol is excreted in breast milk in small quantities. Rash in nursing infants has been reported. Caution should be used when administering PARACETAMOL BIOTECH IV to women who are breastfeeding their babies.

4.7 Effects on ability to drive and use machines

PARACETAMOL BIOTECH IV should have no influence on the ability to drive and the use of machines. No unwanted effects which could influence the ability to drive and to operate machinery have been reported by patients using PARACETAMOL BIOTECH IV.

4.8 Undesirable effects

Blood and lymphatic system disorders

Less frequent: Thrombocytopenia, agranulocytosis, leucopenia, pancytopenia, neutropenia, anaemia.

Immune system disorders

Less frequent: Hypersensitivity.

Endocrine disorders

Less frequent: Pancreatitis.

Vascular disorders

Less frequent: Hypotension.

Hepato-biliary disorders

Less frequent: Hepatitis, increased levels of hepatic transaminases.

Frequency unknown: Hepatic necrosis, hepatic failure.

Renal and urinary disorders

Less frequent: Renal colic, renal failure, sterile pyuria.

General disorders and administration site conditions

Less frequent: Malaise.

Post-marketing experience

The following adverse events have also been reported during post-marketing surveillance, but the frequency is not known.

Immune system disorders

Anaphylactic shock, anaphylaxis, hypersensitivity reaction, angio-oedema.

Cardiac disorders

Tachycardia.

Gastrointestinal disorders

Nausea, vomiting.

Hepato-biliary disorders

Fulminant hepatitis, hepatic necrosis, hepatic failure.

Skin and subcutaneous tissue disorders

Erythema, flushing, pruritis, rash, urticaria, severe cutaneous adverse reactions (SCARS) such as toxic epidermal necrolysis (TEN), Stevens-Johnson syndrome (SJS), acute generalised exanthematous pustulosis (AGEP), drug rash with eosinophilia and systemic symptoms (DRESS) or drug-induced hypersensitivity syndrome (DIHS) and fixed drug eruptions (FDE) (see section 4.4).

General disorders and administration site conditions

Administration site reactions.

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of PARACETAMOL BIOTECH IV is important. It allows continued monitoring of the benefit/risk balance of PARACETAMOL BIOTECH IV. Health care providers are asked to report any suspected adverse reactions to SAHPRA via the "Adverse Drug Reactions Reporting Form", found online under SAHPRA's publications: <https://www.sahpra.org.za/Publications/Index/2>

4.9 Overdose

PARACETAMOL BIOTECH IV

SKEDULERINGSTATUS

S3

1. NAAM VAN DIE MEDISyne

PARACETAMOL BIOTECH IV 10 mg/mL oplossing vir infusie

2. KWALITATIEWE EN KWANTITATIEWE SAMESTELLING

PARACETAMOL BIOTECH IV bevat 10,0 mg per mL paracetamol as aktiewe bestanddeel.

Elke 100 mL fles bevat 1,0 g paracetamol.

Suiker Vry.

Hulpstowwe met bekende effekte:

Bevat propileenglikol.

Bevat natrium.

Vir die volledige lys van Hulpstowwe, sien afdeling 6.1.

2. FARMASEUTIESE FORM

Oplossing vir infusie.

'n Helder, kleurlose tot effens gelerige oplossing, vry van vreemde stowwe.

Die pH van die oplossing is tussen 3,5 en 6.

4. KLINIESE BESONDERHEDE

4.1 Terapeutiese indikasies

PARACETAMOL BIOTECH IV is aangedui vir:

Die korttermynbehandeling (nie meer as 24 uur) van lige tot matige pyn bv. na tandheelkundige procedures en geringe ortopediese procedures, en die korttermynbehandeling van koers, wanneer die orale roete ongesik is.

4.2 Posologie en metode van toediening

Posologie

MOENIE DIE AANBEVOLE DOSIS OORSKRY NIE.

Onopsetlike oordosis kan lei tot ernstige lewerskade en dood. Gesondheidsorgverskaffers word daarvan herinner dat dit noodsaklik is om beide die gewigverwante dosisaanbevelings te volg en om individuele pasiëntrisiko-faktore vir hepatotoksiteit te oorweeg, insluitend hepatosellulêre ontoereikendheid, chroniese alkoholisme, chroniese wanvoeding (lae reserwes van hepatiese glutatjoon) en dehidrasie (sien afdelings 4.4, 4.2 en 4.9).

Volvassenes en adolescentes wat meer as 50 kg weeg:

PARACETAMOL BIOTECH IV 1 g per toediening, dit wil sè een 100 mL flessie, tot vier keer per dag. Die minimum interval tussen elke toediening moet 4 uur wees. Die maksimum daaglikske dosis moet nie 4 g in 24 uur oorskry nie.

Adolescente en volvassenes wat minder as 50 kg weeg en kinders wat meer as 33 kg weeg (ongeveer 11 jaar oud):

PARACETAMOL BIOTECH IV: 15 mg/kg per toediening, dit wil sè een 1,5 mL oplossing per kg. Die minimum interval tussen elke toediening moet 4 uur wees. Die maksimum daaglikske dosis moet nie 60 mg/kg oorskry nie (sonder om 3 g in 24 uur te oorskry).

Doseringaanbevelings word in die tabel hieronder aangebied:

Pasiënt gewig (nie-edematisiese gewig)	Paracetamol dosering (10 mg/L) per toediening	Minimum interval tussen elke toediening	Maksimum daaglikske dosis*
> 50 kg	1 g (d.w.s 100 mL fles tot 4 keer per dag	4 ure	Moet nie 4 g in 24 uur oorskry nie
> 33 kg en ≤ 50 kg	15 mg/kg (d.w.s 1,5 mL oplossing per kg) tot 4 keer per dag	4 ure	≤ 60 mg/kg Moet nie 3 g in 24 ure oorskry nie

* Die maksimum daaglikske dosis neem al die medisyne wat paracetamol bevat in ag.

Die dosis moet op nie-edematisiese gewig bereken word.

Spesiale bevolkings

Ernstige nierontoereikheddheid:

Dirt aanbeveel om 'n minimum interval van 6 ure tussen elke toediening te laat by pasiënte met ernstige nierontoereikheddheid (kreatininopruiming ≤ 30 mL/min) (sien afdeling 4.4).

Lewer inkorting:

By pasiënte met verswakte lewerskade moet die maksimum daaglikske dosis nie 60 mg/kg/dag (nie meer as 2 g/dag) oorskry nie in die volgende situasies:

- Volvassenes wat minder as 50 kg weeg.
- Chroniese of gekompenseerde aktiewe lewerskade, veral dié met lige tot matige hepatosellulêre ontoereikendheid.
- Gilbert se sindroom (familiale hiperbilirubinemie).
- Chroniese alkoholisme.
- Chroniese wanvoeding (lae reserwes van hepatiese glutatjoon).
- Dehidrasie.

Metode van toediening

PARACETAMOL BIOTECH IV moet as 'n 15-minute binnearse infusie toegedien word.

Noukeurige monitoring om lugembolie te vermy is nodig, veral aan die einde van die infusie, veral as 'n sentrale veneuse kateter vir die infusie gebruik word.

Sien ook afdelings 6.2 en 6.6.

4.3 Kontraindigasies

PARACETAMOL BIOTECH IV is teenaangedui in:

- Situaties waar die hypersensitiviteit is vir paracetamol of vir paracetamolhydrochloried (voormiddel van paracetamol) of vir enige van die hulpstowwe van PARACETAMOL BIOTECH IV (sien afdeling 6.1).
- Gevalle van ernstige hepatosellulêre ontoereikendheid of aktiewe lewerskade insluitend alkoholiese hepatitis.
- Kinders wat minder as 33 kg weeg (ongeveer 11 jaar oud) omdat veiligheid en doeltreffendheid nie vasgestel is nie.

4.4 Spesiale waarskuwings en voorsorgmaatreëls vir gebruik

Dirt aanbeveel om geskikte orale pyntstillende behandeling te gebruik sodra hierdie toedieningsroete moontlik is.

Dosisse van PARACETAMOL BIOTECH IV wat groter is as die wat aanbeveel word, kan ernstige lewerskade veroorsaak.

Kliniese simptome en tekens van lewerskade word gewoonlik eers na twee dae gesien met 'n maksimum gewoonlik na 4 – 6 dae.

Behandeling met 'n teenmiddel moet so gou as moontlik gegee word aangesien PARACETAMOL BIOTECH IV oordosis noodlottig kan wees (sien afdeling 4.9).

Om die risiko van oordosis te vermy, maak seker dat die ander medisyne wat toegedien word nie paracetamol bevat nie.

PARACETAMOL BIOTECH IV kan ernstige velreaksies veroorsaak soos akute veralgemeende eksantematische pustulose (AGEP), Stevens-Johnson-syndroom (SJS) en toksiese epidermale nekrolise (TEN), wat nooddottig kan wees. Pasiënte moet ingelig word oor die tekens van ernstige velreaksies en die gebruik van die medisyne moet gestaak word by die eerste verskyning van veluitslag of enige ander teken van hypersensitiviteit.

PARACETAMOL BIOTECH IV bevat paracetamol wat in oordosis noodlottig kan wees. In die geval van oordosis of vermoedelike oordosis en nieteaanstaande die feit dat die persoon asymptomatic kan wees, moet die naaste dokter, hospitaal of gifsentrum onmiddellik gekontak word.

Salisilate in langdurige behandelings saam met PARACETAMOL BIOTECH IV het die risiko van pynstillende nefropatie, nierpapillêre nekrosie, eindstadium niersiektes en kanker van die blaas aansienlik verhoog. Moenie die aanbevele individuele dosisse vir salisilate en PARACETAMOL BIOTECH IV oorskry nie (sien afdeling 4.5).

Die antikoagulant effek kan verhoog word wanneer hoë dosis PARACETAMOL BIOTECH IV saam met antikoagulante, soos warfarien, gebruik word (sien afdeling 4.5).

Pasiënte wat aan alkoholisme, hepatitis ly, herstel van enige vorm van lewerskade of wanvoeding moet nie oormatige hoeveelhede PARACETAMOL BIOTECH IV gebruik.

PARACETAMOL BIOTECH IV moet met oomsigtigheid gebruik word by pasiënte wat aan niersiekte ly, aangesien langdurige oormatige gebruik van paracetamol nefropatie kan veroorsaak. Paracetamol-geïnduseerde nierfunksiekinking kan ernstig genoeg wees en kan lei tot uremie, veral met langdurige gebruik van hoë dosis. By pasiënte met nierversaking met 'n kreatininopruiming van 30 mL/minuut of minder word die eliminasie van paracetamol vertraag, daarom word 'n dosisinterval van 6 ure aanbeveel (sien afdeling 4.2).

PARACETAMOL BIOTECH IV moet met oomsigtigheid gebruik word in gevalle van:

• Hepatosellulêre ontoereikendheid, insluitend Gilbert se sindroom (familiale hiperbilirubinemie) (sien afdelings 4.2 en 4.3).

• Ernstige nierontoereikheddheid (kreatininopruiming ≤ 30 mL/min) (sien afdeling 4.2 en 5).

• Chroniese alkoholisme, oormatige alkoholintake (3 of meer alkoholiese drankies elke dag) (sien afdeling 4.3).

• Anoreksie, bulimie of kakeksie, chroniese wanvoeding (lae reserwes van hepatiese glutatjoon).

• Dehidrasie, hipovolemie.

• Glukose 6 fosfaat dehydrogenase (G6PD) tekort (kan lei tot hemolitiese anemie).

Bewaar PARACETAMOL BIOTECH IV op 'n veilige plek buiten bereik van kinders.

Ernstige kutane nadelige reaksies (SCARS)

Ernstige kutane nadelige reaksies (SCARS) soos toksiese epidermale nekrolise (TEN), Steven Johnson se sindroom (SJS), akute veralgemeende eksantematische pustulose (AGEP), geneesmiddeldelitsus met eosinofili en sistemiese simptome (DRESS) of geneesmiddel-geïnduseerde hypersensitiviteitsindroom (DIHS) en vaste geneesmiddel-uitbarstings (FDE) is aangemeld by pasiënte wat behandel is met medisyne wat paracetamol bevat. Indien 'n pasiënt SCARS ontwikkel, moet behandeling met PARACETAMOL BIOTECH IV onmiddellik gestaak word en toepaslike behandeling ingestel word.

Hulpstowwe:

PARACETAMOL BIOTECH IV bevat 800 mg propileenglikol in elke 100 mL fles. Mediese monitoring is nodig by pasiënte met verswakte nier- of lewerskundes omdat verskeie nadelige gebeurtenisse wat aan propileenglikol toegeskry word, aangemeld is, soos nierdisfunksie (akute tubulêre nekrosie), akute nierversaking en lewerskundes.

Afhoewel daar nie geton is dat propileenglikol reproduktiewe of ontwikkelingstoksitsiteit by direkte of indirekte toediening van propileenglikol aan swanger of latelerende pasiënte in 'n geval voorwerp word per geval basis (sien afdeling 4.6).

PARACETAMOL BIOTECH IV bevat 200 mg natrium per flessie, gelykstaande aan 10 % van die WGO se aanbevele maksimum daaglikske inname van 2 g natrium vir 'n volwassene.

4.5 Interaksies met ander medisyne en ander vorme van interaksie

Efek van ander medisyne op PARACETAMOL BIOTECH IV:

Probesen kan die plasmakonsentrasies van PARACETAMOL BIOTECH IV verhoog met byna 'n 2-voudige verminderung in opruiming van paracetamol. 'n Verlaging in PARACETAMOL BIOTECH IV dosis kanoorweeg word met gelyktydige gebruik.

Die absorpsie van paracetamol kan versnel word wanneer dit saam met metoklopramide gebruik word.

Salisilates kan die eliminasie-halfeetyd van paracetamol verleng soos bevat in PARACETAMOL BIOTECH IV.

Salisilate in langdurige behandelings saam met paracetamol het die risiko van pynstillende nefropatie, nierpapillêre nekrosie,

eindstadium niersiektes en kanker van die blaas aansienlik verhoog. Die aanbevele individuele dosisse vir PARACETAMOL BIOTECH IV en die salisilate moet nie oorskry word nie.

Fenitoïne wat gelyktydig met PARACETAMOL BIOTECH IV toegedien word, kan lei tot vermindering van paracetamol vermy.

Pasiënte wat fenitoïne toegedien word, moet groot en/of chroniese dosisse paracetamol vermy.

Pasiënte moet gemonitor word vir bewysie van hepatotoksiteit.

Flukloksasilien: Omsigtigheid word aangeraai wanneer paracetamol gelyktydig met flukloksasilien toegedien word as gevolg van die verhoogde risiko van hoë anioongaping metabolese asidoese (HAGMA), veral by pasiënte met 'n risikofaktor vir glutatoonontkanting soos

nierversaking, sepsi, wanvoeding en chroniese alkoholisme. Noukeurige monitoring word aanbeveel om die voorkomms van suurbasis-afwykings, naamlik HAGMA, op te spoer, insluitend die soek van urine 5-oksoprotel.

Medisyne wat lewermikrosomale ensieme, soos barbiturate of primidion bevat, kan die terapeutiese effek van PARACETAMOL BIOTECH IV verminder.

Gelyktydige gebruik van PARACETAMOL BIOTECH IV en leverensiem indusereers moet met oomsigtigheid gedoen word aangesien hierdie medisyne die risiko van paracetamol geïnduseerde hepatotoksiteit verhoog. Hierdie stowwe sluit in, maar is nie beperk nie tot barbiturate, isoniazid, rifampicines, karbamasepines, antikoagulante, sidovudien, amoksillien, klavulaansuur, etanol of hepatotoksiese medisyne.

Efek van PARACETAMOL BIOTECH IV op ander medisyne:

PARACETAMOL BIOTECH IV kan die kans op ongewenste effekte verhoog wanneer dit saam met ander medisyne toegedien word.

Die antikoagulant-effekte kan toeneem wanneer hoë dosis PARACETAMOL BIOTECH IV saam met antikoagulante, kumarien (bv. warfarien) en/of indadiopperende gebruik word. Verhoogde monitoring van INR-waardes moet uitgevoer word gedurende die tydperk van gelyktydige gebruik, sowel as 1 week na staking van PARACETAMOL BIOTECH IV.

6. Vrugbaarheid, swangerskap en borsvoeding

Swangerskap

Kliniese ervaring van binnearse toediening van paracetamol by swanger vroue is beperk.

Epidemiologiese data van die gebruik van orale terapeutiese dosisse paracetamol het geen ongewenste effekte by swanger vroue of op die gesondheid van die fetus/pasgebore baba tot gevog gehad nie.

Voornemende studie oor swangerskappe wat aan oordosis blootgestel is, het nie 'n toename in misvormingsrisiko getoon nie.

Reprodutieve studies met die binnearse vorm van paracetamol is nie by direkte uitgevoer nie.

Nietemin, PARACETAMOL BIOTECH IV moet slegs tydens swangerskap gebruik word na noukeurige voordeel/risiko-bepaling, en die aanbevele dosis en duur moet streng nagekond word.

Sien ook "Hulpstowwe" in afdeling 4.4.

Borsvoeding

Paracetamol word in klein hoeveelhede in borsmelk uitgeskei. Uitslag by sogende babas is aangemeld. Omsigtigheid moet gebruik word wanneer PARACETAMOL BIOTECH IV toegedien word aan vroue wat hul babas borsvoed.

4.7 Effekte op die vermoë om te bestuur en masjiene te gebruik

PARACETAMOL BIOTECH IV behoort