(Atorvastatin & Aspirin Capsules)

COMPOSITION:
New Modlip-ASG 75:
Each hard gelatin capsule contains:
Atorvastatin Calcium I.P.
equivalent to Atorvastatin
10 mg
75 mg

Aspirin I.P. 75 mg (As enteric coated tablet) Colours: 'Tlanhium Dioxide I.P. & Quinoline Yellow Lake. Approved colours used in hard gelatin capsule shell. New Modilp-ASG 150: Each hard gelatin capsule contains: Alorvasta equivalent to Atorvastatin 10 mg Aspirin I.P. 150 mg

Aspirin I.P. 150 mg
(As enteric coated tablet)
Colours: Titanium Dioxide I.P. & Quinoline Yellow Lake.
Approved colours used in hard gelatin capsule shell.

DESCRIPTION:

DESCRIPTION: Atorvastatin Calcium: Atorvastatin Calcium: Atorvastatin Calcium: Atorvastatin Calcium is a white to off-white crystalline powder that is slightly soluble in methanol; (slightly soluble in ethanol (95 per cent) and very slightly soluble in water. Chemically it is calcium sait of [JRA,BR]-2-(4-fluorophenyl)-cx,0-dinydroxy-5-(1-methyleftyly)-3-pher4-((thernylamino)carboxyly-11-flypriole-1-heptanoicacd trilydraie. It's Empirical Formal is CogeffigaCart-Palcylor, it is Molecular Weight is 1155.4.

$$\mathsf{Ca}^{\mathsf{**}} \left[\begin{array}{c} \mathsf{H}_{2}\mathsf{C} \\ \mathsf{N} \\ \mathsf{H} \\ \mathsf{H}$$

Aspirin:
Aspirin: Aspirin: Aspirin: Aspirin: Aspirin: Aspirin: Aspirin: Aspirin: Aspirin: Sociouriess or almost odouriess it is freely soluble in ethanol (95 per cent); soluble in chloroform and in ether silghtly soluble in water. Chemically it is 2-Acetyloxybenzoic acid. Its empirical formula is Cogl*igG4, It is molecular weight is 180.2.

PHARMACOLOGY:

Altorvastatin:
It is lipid modifying agents, HMG-CoA-reductase inhibitors. Atorvastatin is a selective competitive inhibitor of HMG-CoA reductase, the rate-limiting enzyme responsible for the conversion of 3-hydroxy3-methyl-glutary1-coerazyme A to mevalonate, a precursor of sterois, including choiseterol. Trigoperiodes and choiseterol in the liver are incorporated into sterois, including chlosterical. Triglycerides and chlosterol in the liver are incorporated into very low-density lipoproteins (VLDL) and released into the plasma for delivery to peripheral tissues. Low-density lipoprotein (LDL) is formed from VLDL and is catabolized primarily through the receptor with high affinity to LDL (LDL receptor). Advovastatin lovers plasma cholesterol and lipoprotein serum concentrations by inhibiting HMG-CoA reductase and subsequently cholesterol biosynthesis in the liver and increases the number of hepatic LDL receptors on the cell surface for enhanced uptake and catabolism of LDL. Advovastatin reduces LDL production and the number of LDL particles. Advovastatin produces a profound and sustained increase in LDL receptor activity coupled with a heneficial change in the quality of circulating LDL particles. Abrovastatin is effective in reducing LDL-C in patients with homozygous familial hypercholesterolaemia, a population that has not usually responded to lipid-lowering medicinal products. Advovastatin also reduces Very Low Density Lipoprotein-Cholesterol (VLDL-C), serum triglycerides (TG) and Intermediate Density Lipoprotein-Cholesterol (VLDL-C), serum triglycerides (TG) and Intermediate Density Lipoprotein (EQL), as well as the number of apolipoprotein B (app B) containing particles.

Lipóprotein-Cholesterol (V.D.L-C), serum triglycerides (TG) and Intermediate Densily Lipoproteins (DL), as well as the number of apolipoprotein B (apo B) containing particles, but increases High Densily Lipoprotein-Cholesterol (HDL-C). Altorvastatin has been shown to reduce concentrations of bala-C (30% - 46%), LDL-C (41% - 61%), apolityportein B (34% - 50%), and triglycerides (14% - 53%) while producing variable increases in HDL-C and apolipoprotein A1 in a dose response study. These results are consistent in patients with heterozygous familial hypercholesterolaemia, nornfamilial forms of hypercholesterolaemia, and mixed hyperipidaemia, including patients with noninsulin-dependent diabetes mellitus. Reductions in total-C, LDL-C, and apolipoprotein B have been proven to reduce risk for cardiovascular events and cardiovascular mortality. Low serum concentration of HDL-C is also an independent risk factor. Everated plasma TG is also a nisk factor or cardiovascular disease, particularly if due to increased LDL-C or increased L

Increased LDL-C.

Aspirin:

Aspirial As platelet-aggregating material, thromboxane A2, which is also a powerful vasor placeter-aggregiant maintain, molitoobara Pez, mitor is also a powerunt vasoubistituor. However, aspirin does not prevent the adherence of platelets to damaged vessel walls or the release of granule contents from these adherent platelets. As the anuclear platelets are unable to synthesize new enzyme molecules to replace those that have been inactivated, inhibition of platelet aggregation by aspirin thus persists for the file of the platelets. Besides inhibiting the biosynthesis of thromboxane Az by platelets, aspirin also interferes with the production of prostacyclin (PGI2) by vasoular endothelial cells, the above-mentioned recreated inching the prostacyclin of the present content of the third production of prostacyclin (PGI2) by vasoular endothelial cells, the above-mentioned prostagiandin endoperoxides being common precursors of both thromboxane. A2 and prostaryclin. This latter compound is one of the most powerfully acting platetic deaggregators and vascollators and thus it would appear that the interference with the hemostatic processes by asplirin depends on the thromboxane-prostacyclin balance. In fact, it has been suggested that under some conditions, high doses of asplirin may be rombogenic. However, in contrast to platelets, the vascular endothelial cells are able to urunusugenic. rowever, in corrisat to plateless, the vascular enotherial cells are able to regenerate cyclo-oxygenase in a relatively short time and therefore therapeutic doses of asprin are likely to produce a lesser inhibition of the vascular prostacyclin system than of the platelet thromboxane-forming mechanism. In fact, there is no clinical evidence to indicate that high doses of asprin would result in an increased risk of thromboembolism. Absorption of non-ionised asprin occurs in the stomach and intestine. Some asprin is bridnings of to salicidate in the cut wall. After abnovation sensitive is enable accounted to study the control of the control rusor juni or individual aspiriri occusi in ine solinitari and intessure. Sorine aspiriri is hydrodysed to salicylate in the gut wali. After absorption aspiriri is rapidily converted to salicylate but during the first 20 minutes following oral administration, aspiriri is the predominant from off the drug in the plasma. Aspiriri is bound to plasma proteins and is widely distributed. Plasma aspiriri concentrations decline rapidly (half life 15-20 minutes) as

lasma salicylate concentrations increase.
alicylate is mainly eliminated by hepatic metabolism - the metabolites including salicylic acid, salicyl phenolic glucuronide, salicylic acyl glucuronide, gentisic acid and gentisuric acid. As a result of zero order kinetics, plastmas steady states salicylate concentrations increase disproportionately with dose. Salicylate is also excreted unchanged in the urine to an extent which depends on the dosage and unitrary pH. Renal excettion involves glomental filtration, active renal tubular secretion and passive tubular reabsorption.

Absorption:
Absorption:
Absorption:
Absorption:
Altorvastalin is rapidly absorbed after oral administration with maximum plasma
concentrations seen within 1 to 2 hours and extent of absorption increases with the dose.
The absolute bloavailability of attorvastatin is approximately 14% and the systemic
availability of HMO-COA reductaes inhibitory activity is approximately 30% which is attributed to presystemic clearance in GI mucosa and/or hepatic first-pass met attributed to presystemic clearance in GI mucosa and/or hepatic first-pass metabolism. Although food decreases the rate and extent of drug asporption by approximately 25% and 9%, as assessed by Cmax and AUC respectively, LDL-C reduction and HDL-C elevation are similar when atorvastal in is given with and without food. Plasma atorvastatin concentrations are lower (approximately 30% for Cmax and AUC) following drug administration in the evening compared with morning dosing. However, LDL-C reduction and HDL-C elevation are the same regardless of the time of drug administration. Distribution: Mean volume of distribution of atorvastatin is approximately 381 liters and > 95% is bound to plasma proteins: A blood plasma ratio of approximately 0.25 indicates poor drug penetration into red blood cells. Based on rat studies, atorvastatin is likely to be secreted in human milk.

astatin is extensively metabolized mainly by cytochrome P450 3A4 to ortho- and parahydroxylated derivatives and various beta-oxidation products. Apart fron other pathways these products are further metabolized via glucuronidation. In vitro, inhibition of LIMO CAA reductions in the and application of LIMO CAA reductions in the angle of LIMO CAA reductions in the an reductase is attributed to active metabolites.

Excretion: Atorvastatin and its metabolites are eliminated primarily in bile following hepatic

Execution: Individual and a los literaciones are eliminated printing in les olivoring in legionardior edita-flegatio metabolism; however, there is no enterorhepatic recirciation. Mean plasma elimination half-life of atonisatatin is approximately 14 hours, but the half-life of inhibitory activity or Hild-CoAC reductase is 20 to 30 hours due to the contribution of active metabolities. Less than 2% of a dose of atonisatatin is recovered in urine following oral architecture.

Special populations and Conditions:

Special populations and Conditions:

Geriatric: Plasma concentrations of altorvastatin are higher (approximately 40% for Cmax and 30% for AUC) in healthy elderly subjects (age ≥ 55 years) than in young adults. Clinical data suggest a greater degree of LDL-lowering at any dose of trug in the elderly patient population compared to younger adults. Bediatric: Pharmacokinstic data in the Paediatric population are not available.

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Renal Impairment: Renal disease has no influence on the plasma concentrations or LDL-C reduction of aton-astalin. However, since several cases of rhaddomyolysis have been reported in patients with a history of renal insufficiency of unknown severity, as a precautionary measure and pending further experience in renal disease, the lowest dose (10 mg/day) of atorvastatin should be used in these patients. Similar precautions apply in patients with severe renal insufficiency (creatiline dearance 30 mLmin(-0.55 mLsec)); the lowest dosage should be used and implemented cautiously.

the lowest dosage should be used and implemented cautiously. Hemodialysis: While studies have not been conducted in patients with end-stage renal disease, hemodialysis is not expected to significantly enhance clearance of atorvastatin since the drug is extensively bound to plasma proteins. Hepatic Impairment: In patients with chronic alcoholic liver disease, plasma concentrations of atorvastatin are markedly increased. Cmax and AUC are each 4-fold greater in patients

with Childs-Pugh A disease whereas in patients with Childs-Pugh B disease, this increas

with Childs-Pugn A disease whereas in packages in the specific package is approximately 16-fold and 11-dic respectively.

SLOCIBI polymorphism: Hepatic uptake of all HMG-CoA reductase inhibitors including adrovastatin, involves the OATP1BI transporter. In patients with SLCO1BI polymorphism there is a risk of increased exposure of allovrastatin, which may lead to an increased risk of rhabdomyolysis. Polymorphism in the gene encoding OATP1BI (SLCO1BI c.SZICC) is contained to the control of the cont associated with a 24-flot higher atorvastatin exposure (AUC) than in individuals without this genotype variant (c.521TT). A genetically impaired hepatic uptake of atorvastatin is also possible in these patients. Possible consequences for the efficacy are unknown. Aspirin:

spirin is well and completely absorbed from the gastrointestinal (GI) tract and is

injurio/get to satisfyic ador with peak plasmal neviers or satisfyic ador seen within 1-2 hours or dosing. The rate of absorption is dependent upon the dosage form, the presence or absence of food, gastric pH, and other physiologic factors. The gastric mucosa is permeable to the non-include form of acetylsalicifyic acid, which passes through the stomach wall by a passive diffusion process. Optimum absorption of salicylate in the human stomach occurs in the pH range of 2.15 to 4.10. Absorption in the small intestine occurs at a significantly faster rate than in the stomach.

a significative user in each in the solution. Salicyfic acid is widely distributed to all tissues and fluids in the body including the central nervous system (CNS), breast milk, and fetal tissues, with highest concentrations seen in plasma, liver, renal cortex, heart, and lungs. The protein binding of salicytate is non-linear; at low concentrations (< 100 mcg/mL), approximately 90% is bound to albumin while at higher concentrations (> 400 mcg/mL), only about 75% is bound.

Metabolism:
Aspirin is hydrolyzed rapidly by esterases in the gastrointestinal mucosa and the liver to salicylic acid. The half-life of aspirin in the circulation is from 13 to 19 minutes so that the blood level drops quickly after absorption is complete. Salicylic acid is primarily conjugated in the liver to from salicyluric acid, a phenolic glucuronide, an ady glucuronide, and a number of minor metabolites (gentisic acid and other hydroxybenzoic acids).

Excretion:
Excretion of salicylates occurs principally via the kidney, through a combination of salicylate and tubular excretion. Following therapeutic doses, in the form of fr glomerular filtration and tubular excretion. Following therapeutic doses, in the form of free salicytic acid, salicyturic acid, as well as phenolic and acy glucuronides. Salicytate can be detected in the urine shortly after its ingestion but the full dose requires up to 48 hours for complete elimination. The rate of excretion of free salicytate is extremely variable, reported. complete elimination. The rate of excretion of tree salicytate is extremely variable, reported recovery rates in human urine ranging from 10% to 85%, depending flarely on urinary plt. As urinary plt rises above 6.5, the renal clearance of free salicytate increases from <5% to 86%. The half-life of salicytic acid is approximately 6 hours. Salicytate metabolism is saturable and total body, clearance decreases at higher serum concentrations due to the limited ability of the liver to form salicyturic acid and phenolic glucuronic. Following toxic closes (10-20 gm), the plasma half-life may be increased to over 20 hours. The elimination of

salicylic acid follows zero order pharmacokinetics.

NINDICATIONS:
For the treatment of dyslipidemia associated with atheroscierotic arterial disease with risk of myocardial infaction, stroke or peripheral vascular disease.

CONTRAINDICATIONS:

New Modlip-ASG is contraindicated in the following conditions: Thypersensitivity to altowastin, aspirin, other salicytates or any other NSAIDs or any of the excipients of this medicinal product.

2. A history of, or active peptic usceration, haemophilia or other clotting disorders, gout, asthma, urticaria, rhinitis or other evidence of hypersensitivity to aspirin or non steroidal anti-infarmationy druss.

anti-inflammatory drugs.

3.New Modlip-ASG should be avoided in patients with severe renal or hepatic impairment

or unexplained persistent elevations of serum transaminases exceeding 3 times the upper limit of normal.

4. New Modlip-ASG should not be used by woman who are pregnant or may become

pregnant and in nursing mothers.

WARNINGS AND PRECAUTIONS:

It is recommended that liver enzyme tests should be performed before starting statin

It is recommend that liver enzyme tests should be performed before starting statin therapy, and as clinically indicated thereafter. The serious liver injury with statins is rare and unpredictable in individual patients, and that routine periodic monothring of liver enzymes does not appear to be effective in detecting or preventing this rare side effects. Patients should notify their health care professional immediately if they have the following symptoms of liver problem: unusual fatigue or weakness, loss of appetite, uppor belly pain, dark-colored unine, vellowing of the skin or the whites of the eyes. Certain cognitive (brain-related), effects have been reported with statins use. Some patients who are taking the statin containing medicinal products experiences memory loss and confusion. These reports are generally have not been serious and patient's symptoms were reversed by stopping the statin. Patients should immediately contact their healthcare professional if symptoms cocur:

Increase in blood sugar levels (hypergloreal) have been reported with statin use. The available evidences shows that patients being treated with statins may have a small risk of increased blood sugar levels and of being diagnosed with type 2 diabetes mellitus. Aspirin: There is apossible association between aspirin and Reye's syndrome when given to children. Reye's syndrome when given to children. Reye's syndrome when given to children. Perform the season apprint should not be effects the brain and liver, and can be fatal. For this reason appire in sould not be given to children approach under 16 years unless specifically indicated (e.g. Kawasaki's disease). Aspirin and other NSAIDs may cause sait and water retention and renal failure especially in patients with pre-existing renal impairment.

impairment.

Caution should be exercised in patients with asthma, asthma and other allergic conditions, bleeding tendencies, significant anaemia, hypoprothrombinemia, impairment of hepatic or renal function and dehydration.

Abrovastatin

Liver effects:

Liver effects:

Liver function tests should be performed before the initiation of treatment and thereafter if clinically indicated. Patients who develop any signs or symptoms suggestive of liver injury should have liver function tests performed. Patients who develop increased transaminase levels should be monitored until the abnormatifyingly resolve. New Modifyin-ASG should be used with caution in patients who consume substantial quantities of alcohol and/or have a

used with caution in patients who consume substantial quantities of alcohol and/or have a history of liver disease.

Stroke Prevention by Aggressive Reduction in Cholesterol Levels:

Clinical studies shows patients without coronary heart disease (CHD) who had a recent stroke or transient ischemic attack (TIA) shows a higher incidence of hemorrhagic stroke when they are initiated on atorvastatin 80 mg compared to placebo. The increased risk was particularly noted in patients with prior hemorrhagic stroke or lacunar infarct, the balance of risks and benefits of atorvastatin 80 mg is uncertain, and the potential risk of hemorrhagic stroke should be carefully considered before initiating treatment.

Skeletal muscle effects:

Atorvastatin, like other HMG-CoA reductase inhibitors, may in rare occasions affect the skeletal muscle and cause mixelial mostless. mostlists and movanity that may propriess to rhabdo

Altorvastatin, like other HMG-GOA reductase inhibitors, may in rare occasions affect the skeletal muscle and cause myaligal, myositis, and myopathy talm any progress to rhabdo myobysis, a potentially life-threatening condition characterised by markedly elevated creatine kinase (CK) levels (> 10 times ULN), myoglobinaemia and myoglobinuria which may lead to renal failure. Before the treatment New Modilp-ASC setS should be prescribed with caution in patients with pre-disposing factors for rhabdomyolysis. A Creatine kinase (CK) level should be measured before starting New Modilp-ASC settment in the following eitherstore:

Modlip-ASG treatment in the following situations:

Modilp-ASG freatment in the following situations.

Renal impairment.

Hypothyroidinals.

Personal or familial history of hereditary muscular disorders.

Previous history of muscular toxicity with a statin or fibrate.

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Previous history of muscular toxicity with a statin or fibrate.

In eiderly (age > 70 years), the necessity of such measurement should be considered, according to the presence of other predisposing factors for rhabdomyohysis.

Situations where an increase in plasma levels may occur.

In such situations, the risk of treatment should be considered in relation to possible benefit, and clinical monotronig is recommended. If CK levels are significantly elevated (> 5 times and continued to the state of the state of

Patients must be asked to promptly report muscle pain, cramps, or weakness especially

if accompanied by malaise or fever.

If such symptoms occur whilst a patient is receiving treatment with New Modilp-ASG
75/150, their CK levels should be measured. If these levels are found to be significantly
elevated (> 5 times ULN), treatment should be stopped.

If muscular symptoms are severe and cause daily discomfort, even if the CK levels are

elevated to 5 x U.N. treatment discontinuation should be considered.

If symptoms resolve and CK levels return to normal, then re-introduction of New Modilp-ASG may be considered at the lowest dose and with close monitoring.

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New Modilp-ASG may be considered at the lowest dose and with close monitoring. Concomitant treatment with other medicinal products

Concomitant treatment with other medicinal products
Risk of rhabdomyolysis is increased when abrovastain is administered concomitantly with
certain medicinal products that may increase the plasma concentration of atorvastatin such
as potent inhibitors of CYP3A4 or transport proteins (e.g. ciolosporine, teithromyori,
clarithromyori, delavidre, stirgenth, ketoconzoale, workonzoale, traconzoale, traconzoale, posaconzoale
and HIV protease inhibitors including ritonavir, lopinavir, atazanavir, indinavir, darnavir,
etc). The risk of myonathy may also be increased with the concomitant use of perithoral
con-interacting therapies should be considered instead of these medicinal products. In
cases where co-administration of these medicinal products with atorvastain is necessary,
the benefit and the risk of concurrent treatment should be carefully considered. When
patients are receiving medicinal products that increase the plasma concentration of
atorvastatin, a lower maximum dose of atorvastatin is recommended. In addition, in the

NEW MODLIP-ASG

case of potent CYP3A4 inhibitors, a lower starting dose of atorvastatin should be considered and appropriate clinical monitoring of these patients is recommended. The concurrent use of atorvastatin and fusicic acid is not recommended, therefore, temporary suspension of atorvastatin may be considered during fusicic acid therapy. Paediatric use: New Modlip-ASG should not be used in the patients below 10 years.

Developmental safety in the paediatric population has not been established.

Interstitial lung disease: There is a chance of interstitial lung disease with long term therapy. If it is suspected a patient has developed interstitial lung disease, statin therapy USE IN SPECIFIC POPULATIONS

Pregnancy Category X

Atonisatian is contraindicated in women who are or may become pregnant. Atonisatian may cause fetal harm when administered to a pregnant woman. Serum cholesterol and triglycerides increase during normal pregnancy, and cholesterol or cholesterol derivatives are essential for fetal development. Atheroseferosis is a chronic process and discontinuation of lipid-lowering drugs during pregnancy should have little impact on the outcome of long-term therapy of primary hypercholesterolemia. There are no adequate and well-controlled studies of atonisatian use during pregnancy; however in rare reports, congenital anomalies were observed following intrautienie exposure to statins. In at and rabbit animal reproduction studies, atonisatin revealed no evidence of testogenicity. ATORVASTATIN SHOULD BE ADMINISTERED TO WOMEN OF CHILDBEARING AGE

NOTIFY STATE OF STATE ARE HIGHLY UNLIKELY TO CONCEIVE AND HAVE BEEN INFORMED OF THE POTENTIAL HAZARDS. If the patient becomes pregnant while laking this drug, atorvastatin should be discontinued immediately and the patient apprised of the potential hazard to the fetus.

It is not known whether atorvastatin is excreted into human milk; however a small amount of another frou in this class does pass into breast milk. Because statins have the potential for serious adverse reactions in nursing infants, women who require atorvastatin treatment should not breastleed their infants.

Paediatric Use

Safety and effectiveness in patients 10-17 years of age with heterozygous familial Safety and effectiveness in patients 10-17 years of age with heterozygous familial hypercholestrolemia have been evaluated in a controlled critical trial of months' duration in adolescent boys and postmenarchal girls. Patients treated with atorvastatin had an adverse experience profile generally similar to that of patients treated with placebo. The most common adverse experiences observed in both groups, regardless of causailty assessment, were infections. Doses greater than 20 mg have not been studied in this patient population. In this limited controlled study, there was no significant effect on growth or sexual maturation in boys or on menstrual cycle length in girls. Adolescent females should be counseled on appropriate contraceptive methods williol andorvastatin therapy. Atorvastatin has not been studied in controlled clinical trials involving one-puberal adaetins or galetine vouncer than 10 or studied in controlled clinical trials involving one-puberal adaetins or galetine vouncer than 10 or studied in controlled clinical trials involving one-puberal adaetins or galetine vouncer than 10 or studied in controlled clinical trials involving one-puberal adaetins or galetine vouncer than 10 or studied in controlled vouncer than 10 or studied in controlled vouncer than 10 or studied in controlled vouncer than 10 or studied vouncer than 10 or studies or studies or studies or studies. studied in controlled clinical trials involving pre-puberial patients or patients younger than 10 years of age. Clinical efficacy with doses up to 80 mg/day for 1 year has been evaluated in an uncontrolled study of patients with homozygous FH including 8 paediatric patients.

Gerfatric Use

Of the 39,828 patients who received atorvastatin in clinical studies, 15,813 (40%) were ≥65 years old and 2,800 (7%) were ≥75 years old. No overall differences in safety or effectiveness were observed between these subjects and younger subjects, and other reported clinical experience has not identified differences in responses between the elderly and younger patients, but greater sensitivity of some older adults cannot be ruled out. Since advanced age, €5 years) is a predisposing factor for myopathy, abovastatin should be prescribed with caution in the elderly.

Hepatic Impairment
Atorvastatin is contraindicated in patients with active liver disease which may include

Advantages in a contraindicate on paients with active liver disease which may include unexplained persistent elevations in hepatic transaminase levels. Aspirin Pregnancy Pregnant women should only take aspirin if clearly needed. Because of the known effects of NSAIDs on the fetal cardiovascular system (closure of the ductus arterfosus), use during the third trimester of pregnancy should be avoided. Salicylate products have also been associated with alterations in maternal and neonatal hempstrasis mechanisms, decreased birth weight, and with perinatal mortality.

weight, and with perinatal mortality. **Labor and Delivery**Aspirin should be avoided 1 week prior to and during labor and delivery because it can Aspirin should be avoided 1 week prior to and during labor and delivery occause it can result in excessive blood loss at delivery. Prolonged gestation and prolonged labor due to prostaglandin inhibition have been reported. Nursing Mothers Nursing mothers should avoid using aspirin because Salicylate is excreted in breast milk. Use of high doses may lead to rashes, platelet abnormalities, and bleeding in nursing infants. DIECH INTEGRATION.

Aspirin Acordio and corticosteroids may enhance the effects of aspirin on the gastrointestinal tract. Aspirin may enhance the effects of coumarin anticoagulant, oral hypoglycaemics (of the sulphonyturea type), phenytoin and sodium valproate. Aspirin may increase the risk of bleeding with other antiplated truly sus tha sclopidogrel and ticlopidine The toxicity of methotrexate may be enhanced by concomitant use of aspirin. Aspirin 75mg may antagonise the duretic effect of spironolactone and may reduce acetacolamide excretion (risk of toxicity). Aspirin increases plasma concentration of zalfriklasts. Belicopteramide and domperidone enhance the effect of aspirin (increased rate of absorption). Avoid concomitant administration with milegristone (therecitae interaction). Aspirin diminishes the action of uricosurics. Aspirin may reduce the efficacy of antihypertensive drugs. Aspirin is pharmaceutically increpatable with iron salts and alkalis. Avoid concomitant administration of antacids and absorbents (secretion of aspirin sincreased in alkaline united and missing and alkalis. Avoid concomitant administration of antacids and absorbents (secretion of aspirin sincreased in alkaline united). administration of aniacids and absorbents (excretion of aspirin is increased in alkaline urine whilst kaolin may reduce absorption). New Modlip-ASG should be administered cautiously

for such conditions. Atorvastatin Effect of co-administered medicinal products on atorvastatin

Effect of co-administered medicinal products on atorvastatin Altorvastatin is metabolized by cylorchrome P450 34A (CYP3A4) and is a substrate to transport profeins e.g. the hepatic uptake transporter OATPIB1.Concomitant administration of medicinal products that are inhibitors of CYP3A4 or transport profeins may lead to increased plasma concentrations of atorvastatin and an increased risk of myopathy. The risk might also be increased at concomitant administration of atorvastatin with other medicinal products that have a potential to induce myopathy, such as fibric acid derivates

Potent CVPSA4 inhibitors have been shown to lead to markedly increased concentrations of atomastatin. Co-administration to potent CVPSA4 inhibitors (e.g. ciolsopin, fulliflownyoin, clariflormyoin, delawirdine, stripentol, ketocorazole, vorionazole, traconazole, poseonazole and HIV protease inhibitors including ritorauris, lopiansiv, atzanavaris, indiravis, darauravis, reta, and a products with atomastatin cannot be avoided lower starting and maximum doses of atomastatin should be considered and appropriate clinical monitoring of the patient is recommended. Moderate CVPSA4 inhibitors (e.g. eyfhromycin, dillazem, verapamil and fluconazole) may increase plasma concentrations of atomastatin short increased risks of myopathy has been observed with the use of eyftromycin in combination with statins. Interaction studies evaluating the effects of amidotrance or verapamil and atomastatin have not been conducted. Both amiodarone and verapamil are known to inhibit CVPSA4 activity and co-administration with atomastatin may result in increased exposure to atomastatin. and ocadimistration with attoristation may result in increased exposure to attoristation and ocadimistration with attoristation may result in increased exposure to attoristation. Therefore, a lower maximum dose of atoristation should be considered and appropriate clinical monitoring of the patient is recommended when concentrating with with moderate CYPSA4 inhibitors. Appropriate clinical monitoring is recommended after initiation or following dose adjustments of the inhibitor.

CYPSA4 inducers

CYPSA4 inducers
Concomitant administration of atorvastatin with inducers of cytochrome P450 3A (e.g. efavirenz, rifampin, St. John's Wort) can lead to variable reductions in plasma concentrations of atorvastatin. Due to the dual interaction mechanism of rifampin, (cytochrome P450 3A induction and inhibition of hepatocyte uptake transporter CATP1BI). imultaneous co-administration of atorvastatin with rifampin is recommended, as delayed administration of atorvastatin after administration of rifampin has been associated with a significant reduction in abrovastion plasma concentrations. The effect of rifampin on abrovastain concentrations in hepatocytes is, however, unknown and if concomitant administration cannot be avoided, patients should be carefully monitored for efficacy. Transport protein inhibitors

Transport protein inhibitors I mapport proteins (e.g. ciclosporin) can increase the systemic exposure of atonvastatin. The effect of inhibition of hepatic uptake transporters on atonvastatin concentrations in hepaticoptes is unknown. If concomitant administration cannot be avoided, a dose reduction and clinical monitoring for effects yie recommended. Gemtifricol/1 fribric acid derivatives. The use of Florates alone is occasionally associated with muscle related events, including rhabdomydysis. The risk of these events may be increased with the concomitant use of fiftin caid derivatives and atonvastatin. I concomitant administration cannot be avoided, the lowest dose of atonvastatin to achieve the therapeutic objective should be used and the patients should be appropriately monitored.

The use of ezetimibe alone is associated with muscle related events, including rhabdomyolysis. The risk of these events may therefore be increased with concomitant use of ezetimibe and atorvastatin. Appropriate clinical monitoring of these patients is

Plasma concentrations of atorvastatin and its active metabolites were lower (by approx. 25%) when colestipol was co-administered with Atorvastatin. However, lipid effects were greater when Atorvastatin and colestipol were co-administered than when either medicinal product was given alone.

Product was given aione. Prusidic acid Interaction studies with atorvastatin and fusidic acid have not been conducted. As with other statins, muscle related events, including 'habdomyolysis, have been reported in post-marketing experience with atorvastatin and fusidic acid given concurrently. The mechanism of this interaction is not known. Patients should be closely monitored and temporary suspension of atorvastatin treatment may be appropriate. Effect of atorvastatin on co-administered medicinal products Dinoxin

Digoxin
When multiple doses of digoxin and 10 mg atorvastatin were co-administered, steady-state
digoxin concentrations increased slightly. Patients taking digoxin should be monitored

appropriately.

Oral contraceptives

Co-administration of Atorvastatin with an oral contraceptive produced increases in plasma concentrations of norrethindrone and ethinyl oestradiol.

Warfarin
In a clinical study in patients receiving chronic warfarin therapy, coadministration of
a torvastatin 80 mg daily with warfarin caused a small decrease of about 1.7 seconds in
profrombin time during the first 4 days of dosing which returned to normal within 15 days
of atorvastatin treatment. Although only very rare cases of clinically significant
antiocogularin interactions have been reported, profrombin time should be determined
before starting atorvastatin in patients taking coumarin anticoagularits and frequently
enough during early therapy to ensure that no significant atleration of prothrombin time
coccus. Once a stable prothrombin time has been documented, prothrombin times
can be monitored at the interval susually ecomemoded for patients on courain antioogularist. If the
dose of atorvastatin is changed or discontinued, the same procedure should be repeated.
Attractactin theraps has not been associated with beginn or with changes in porthrombin tin therapy has not been associated with bleeding or with changes in prothrombi

Atorvastatin
Based on data from clinical studies and extensive post-marketing experience, the following

based on total from times studies and extensive post-naneum experience, the following table presents the adverse reaction profile for.

Estimated frequencies of reactions are ranked according to the following convention: common (≥1/100, < 1/10); uncommon (≥1/1,000, < 1/100); rare (≥1/10,000, < 1/10); uncommon (≥1/1,000, < 1/100); rare (≥1/10,000, < 1/10); uncommon (≥1/1,000, < 1/10); uncom

Blood and lymphatic system disorders

Common: hyperglycaemia.
Uncommon: hypoglycaemia, weight gain, anorexia
Psychiatric disorders

nmon: dizziness, paraesthesia, hypoesthesia, dysgeusia, amnesia

Uncommon: dizziness, paraes
Rare: peripheral neuropathy.
Eye disorders
Uncommon: vision blurred.
Rare: visual disturbance.
Ear and labyrinth disorders
Uncommon: tinnitus

Very rare: hearing loss.
Respiratory, thoracic and med

ommon: pharyngolaryngeal pain, epistaxis. astrointestinal disorders ommon: constipation, flatulence, dyspepsia, nausea, diarrhoea.

Hepatobiliary disorders

Rare: cholestasis. Very rare: hepatic failure. Skin and subcutaneous tissue disorders

Skin and subcutaneous tissue disorders
Uncommon: uridica; akin rash, prutilus alopeda.
Rare: angioneurotic oedema; dermatitis bullous including erythema multiforme,
Stevens-Johnson syndrome and toxic epidermal necrolysis.

Musculoskeletal and connective tissue disorders
Common: myalgia, arthralgia, pain in externity, muscle sparses, joint swelling, back pain.
Uncommon: neck pain, muscle latigue.
Rare: myoqaffly, myosilis, riabdomyolysis, lendonopathy, sometimes complicated by rupture.

Reproductive system and breast disorders

Very rare: gynecomastia.

General disorders and administration site conditions
Uncommon: malaise, asthenia, chest pain, peripheral oedema, fatigue, pyrexia.

Investigations
Common: liver function test abnormal, blood creatine kinase increased.

Common: Iver function test annormal, piodo creatine knase increases.

Uncommon: withe blood cells unifer positive.

As with other HMG-CoA reductase inhibitors elevated serum transaminases have been reported in patients neediving advoxation. These changes were usually mild, transient, and did not require interruption of treatment. Clinically important (> 3 times upper normal limit) elevations in serum transaminases occurred in 0.8% patients on advoxatin. These elevations were dose related and were reversible in all patients. Elevated serum creatine. elevations were duse related and were reversible if an palentis. Elevated settin i detailler kinase (CK) levelig greater than 3 times upper limit of normal occurred in 2.5% of patients on atovasstant, similar to other HMS-CoA reductase inhibitors in clinical trials. Levels above 10 times the normal upper range occurred in 0.4% advastatin -related patients. Paediatric Population The clinical safety database includes safety data for 249 paediatric patients who received

atorvastatin, among which 7 patients were < 6 years old, 14 patients were in the age range of 6 to 9, and 228 patients were in the age range of 10 to 17.

Nervous system disorders Common: Headache Gastrointestinal disorders Common: Abdominal pain

Common: Alanine aminotransferase increased, blood creatine phosphokinase increased Based on the data available, frequency, type and severity of adverse reactions in children are expected to be the same as in adults. There is currently limited experience with respect

Many adverse reactions due to aspirin ingestion are dose-related. The following is a list of

Many adverse reactions due to aspirin ingesion are dose-relation. Ine following is a list or adverse reactions that have been reported in the literature Body as a whole: Fever, hypothermia, thirst. Cardiovascular: Dysrhytminas, hypothension, tachycardia. Central nervous stystem: Agitation, Cerebral edema, coma, confusion, dizziness, headache, subdural or intracranial hemorrhage, lethargy, seizures. Fluid and Electrolyte: Deliyotation, hyperkalemia, metabolic addosis, respiratory alkalosis.

Gastrointestinal: Dyspepsia, GI bleeding, ulceration and perforation, nausea, vomiting, heartburn, transient elevations of hepatic enzymes, hepatitis, Reye's syndrome, natologic: Prolongation of the prothrombin time, disseminated intravascular coagulation,

тетниковую: rrouorgation or the prothrombin time, disseminated intravasoular coagulation, coagulopathy, thrombocytoperia, anaemia, prupria, leukoperia. Dematologic and hypersensitivity: Acute anaphylaxis, angioedema, asthma, bronchospasm, lavngeal edema, pruritus, skin eruptions, urticaria. Musculoskeletal: Fhabdomyolysis. Metabolism: hypoglycemia (in children), hyperglycemia. Reproductive: Protonged pregnancy and labour, stillbirths, lower birth weight infants, antepartum and postpartum bleeding. Respiratory: Hypergnea, pulmonary edema, tachypnea.

nespiratory: rhyperpnea, pulmonary edema, tachypnea.

Special Senses: Hearing loss, vertigo, tinnitus. Patients with higher frequency hearing loss may have difficulty perceiving tinnitus. In these patients, tinnitus cannot be used as a clinical indicator of salicylism.

Urogenital: interstital nephritis, papillary necrosis, proteinuria, renal insufficiency and failure.

DOSAGE: The patient should be on an appropriate lipid-lowering diet and should continue DUSAde: The platient should be on an appropriate lipid-lowering det and should continue on this diet during treatment with FDC of Alovastatian and aspirin. Route of administerior soral. New Modilp-ASC is administered once daily dose but the dosage should not be increased than maximum allowed dose for individual agents. The maximum dose Ahorsatatin is 80mg once daily and for Aspirin for long term use is 75 -150 mg daily. In some circumstances a higher dose of Aspirin may be appropriate, especially in the short term, and up to 300 mg a day may be used on the advice of a doctor.

OVENUOSE:
Aspirin
Common features of overdose include dizziness, tinnitus, deafness, vasodilation and
sweating, nausea and vomiting, headache and mental confusion. If more severe,
hyperverillation, tever, resilessness, telosis, respiratory alkalosis and metabolic acidosis. Coma,
if severe, with cardiovascular collapse and respiratory failure. Hypoglycaemia may be
severe in children. Overdosage should be treated initially by aspiration and lavage and a series in minuteri. Oversusage should be released himitary or application and narrage and a stalline purgalities such as sodium subhate, 30g in 250m of water should be given to promote peristalisis. Otherwise tent as for aspirin poisoning and observe for at least 72 hours to allow for possible delayed reaction from gastro-resistant system. Restoration of acid-base balance may be necessary. Advorsatatin

Specific treatment is not available for atorvastatin overdose. Should an overdose occur, the Special: relative in sin dvariable of advissation inventous-cround antivertodes could, are patient should be treated symptomatically and supportive measures instituted, as required. Liver function tests should be performed and serum CK levels should be monitored. Due to extensive altorivestation binding to plasma proteins, haemodialysis is not expected to significantly enhance atorivastatin clearance. Expiry Date:

Do not use later than the date of expiry.

Storage: Store below 25°C, protected from light and moisture Presentation:

New Modlip-ASG is available in strip of 10 capsules.

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Indrad-382 721, Dist. Mehsana, INDIA.

NEW MODLIP-ASG