

Mycophenolic Acid Tablets

*** RENODAPT-S**[®] 180/360

COMPOSITION RENODAPT-S[®] 180 RENODAPT-S Too Each enteric coated tablet contains: 180mg (as sodium salt) Colour: Titanium Dioxide IP RENODAPT-S^{*} 360 Each enteric coated tablet contains: Mycophenolic acid 360mg (as sodium salt) Colours: Tartrazine Yellow, Iron Oxide Yellow and Titanium Dioxide IP

PHARMACEUTICAL FORM Enteric coated tablets

PHARMACOLOGICAL PROPERTIES

Pharmacodynamic Properties Pharmacotherapeutic group: Immunosuppressant, ATC code: L04AA06

Mechanism of Action Mycophenolic acid (MPA) is a potent, selective, uncompetitive, and reversible inhibitor of inosine monophosphate dehydrogenase, and therefore inhibits the *de novo* pathway of guanosine nucleotide synthesis without incorporation into DNA. Because 1 and B lymphocytes are critically dependent for their proliferation on *de novo* synthesis of purines whereas other cell types can utilize salvage pathways, MPA has more potent cytostatic effects on lymphocytes than on other cells.

Pharmacokinetic Properties Absorption

Plan mackonnetic Properties Absorption Following oral administration, mycophenolate sodium is extensively absorbed. Consistent with its enteric coated design, the time to maximal concentration (T_m) of MPA was approximately 1.5 to 2 hours. Approximately 10% of all morning pharmacokinetic profiles showed a delayed T_{max} sometimes up to several hours, without any expected impact on the 24 hourdally MPA exposure. In stable renal transplant patients on ciclosporin based immunosuppression, the gastrointestinal absorption of MPA was 39% and the absolute bioavailability was 72%. The pharmacokinetics of MPA is dose proportional and linear over the dose range of 180 to 2.160 mg which has been studied. Compared to the fasting state, administration of a single dose of MPA 720 mg with a high fat meal (55 g fat 1, 000 calories) had no effect on the systemic exposure of MPA (area under the concentration time curve, AUC), which is the most relevant pharmacokinetic parameter linked to efficacy. However there was a 33% decrease in the maximal concentration of MPA (C_m). Moreover, T_m and T_m were on average 3 to 5 hours delayed, with several patients having a T_m of more than 15 hours.

Distribution The volume of distribution at steady state for MPA is 50 litres. Both mycophenolic acid and mycophenolic acid glucuronid are highly protein bound (97% and 82%, respectively). The free MPA concentration may increase under conditions of decreased protein binding sites (uremia, hepatic failure, hypoalburninemia, concomilant use of drugs with high protein binding). This may put patients at increased risk of MPA-related adverse effects.

Elimination

The half life of MPA is approximately ranges between 8 and 16 hours and the clearance is 8.6 L/h.

Metabolism

Metabolism MPA is metabolised principally by glucuronyl transferase to form the phenolic glucuronide of MPA, mycophenolic add glucuronide (MPAG), MPAG is the predominant metabolite of MPA and does not manifest pharmacological activity in stable renal transplant patients on ciclosporin based immunosuppression, approximately 28% of the oral MPA dose is converted to MPAG by presystemic metabolism. The half life of MPAG is longer than that of MPA, approximately 16 hours and it clearance is 0.4 Dh.

Excretion

Excretion Although negligible amounts of MPA are present in urine (<1.0%), the majority of MPA is eliminated in urine as MPAG. MPAG secreted in the bile is available for deconjugation by gut flora. The MPA resulting from this deconjugation may then be reabsorbed. Approximately 6-3 hours after MPA dooing a second peak of MPA, concentration can be measured, consistent with reabsorption of the deconjugated MPA. There is large variability the MPA trough levels inherent to MPA preparations, and high morning trough levels (<>-10 µµµL) have been observed in approximately 2% of patients treated with MPA. However, arcos studies, the AUC at steady state (0-12) which is indicative of the overall exposure advored a lower variability than the one corresponding to C_{mark}.

Pharmacokinetics In Renal Transplant Patients on Ciclosporin Based Immunosuppression The mean pharmacokinetic parameters for MPA following the administration of MPA are shown in the table below. In the early post transplant period, mean MPA AUC and mean MPA C_{max} were approximately one-half of the values measured six months post transplant.

Mean (SD) Pharmacokinetic Parameters for MPA Following Oral Administration to Renal Transplant Patients on Ciclosporin-Based Immunosuppression

| Adult chronic, multiple dosing 720 mg BID (Study ERLB 301)n=48 | Dose | T _{max} * (h) | C _{max} (µg/mL) | AUC 0-12 (μg × h/mL) |
|---|-----------|---------------------------|------------------------------|-------------------------|
| 14 days post-transplant | 720 mg | 2 | 13.9 (8.6) | 29.1 (10.4) |
| 3 months post-transplant | 720 mg | 2 | 24.6 (13.2) | 50.7 (17.3) |
| 6 months post-transplant | 720 mg | 2 | 23.0 (10.1) | 55.7 (14.6) |
| Adult chronic, multiple dosing 720 mg BID 18 months post-transplant (Study ERLB 302)n=18 | Dose | T _{maa} * (h) | C _{max} (1 g/mL) | AUC 0-12 (µg × h/mL) |
| | 720 mg | 1.5 | 18.9 (7.9) | 57.4 (15.0) |
| Paediatric 450 mg/m² single dose (Study ERL 0106) n=16 | Dose | T _{max} * (h) | C _{max} (µg/mL) | AUCo-⊯o (µg×h/mL) |
| | 450 mg/m² | 2.5 | 31.9 (18.2) | 74.5 (28.3) |
| *Median values AUC: area under the concentration-time curve: BID: twice daily (<i>bis in diá</i>): C : maximum | | | | |

concentration, T_{ma}: time to maximum concentration

Renal Impairment The pharmacokinetics of MPA appeared to be unchanged over the range of normal to absent renal function. In contrast, MPAG exposure increased with decreased renal function. MPAG exposure being approximately 8 fold higher in the setting of anuria. Clearance of either MPA or MPAG was unaffected by hemodialysis. Free MPA may also significantly increase in renal failure. This may be due to decreased plasma protein binding of MPA in the presence of high blood urea concentration.

Hepatic Impairment

In volunteers with alcoholic cirrhosis, hepatic MPA glucuronidation processes were relatively unaffected by hepatic process were relatively interaction, repaid wirk global minatory process were relatively unarticled by filepatic parenchymal disease. Effects of hepatic disease on this process probably depend on the particular disease. However, hepatic disease with predominantly billary damage, such as primary billary cirrhosis, may show a different effect.

Children and Adolescents

Limited data are available on the use of MPA in children and adolescents. In the table above the mean (standard deviation, SD) pharmacokinetics of MPA are shown for stable pediatric renal transplant patients (aged 5-16 years)

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on ciclosporin based immunosuppression. Mean MPA AUC at a dose of 450 mg/m² was similar to that measured in adults receiving 720 mg MPA. The mean apparent clearance of MPA was approximately 6.7 L/h/m².

Gender There are no clinically significant gender differences in MPA pharmacokinetics.

Elderly

Pharmacokinetics in the elderly has not formally been studied. MPA exposure does not appear to vary to a clinically significant degree by age.

PRECLINICAL SAFETY DATA

The hernatopoetic and lymphoid system were the primary organs affected in repeated dose toxicity studies conducted with mycophenolate sodium in rats and mice. These effects occurred at systemic exposure levels which are equivalent to or less than the clinical exposure at the recommended dose of 1.44 gids0 rdMPA in renal

transplant patients. Gastrointestinal effects were observed in the dog at systemic exposure levels equivalent to or less than the clinical

exposure at the recommended doses. The non-clinical toxicity profile of mycophenolic acid (as sodium salt) appears to be consistent with adverse events observed in human clinical trials which now provide safety data of more relevance to the patient population.

Three genotoxicity assays (in vitro mouse) implome assay, microarcleus test in VPP Chinese handler cells and in vitro mouse bone marrow micronucleus test) showed a potential of mycophenolic acid to cause chromosomal aberrations. These effects can be related to the pharmacodynamic mode of action, i.e. inhibition of nucleotide synthesis in sensitive cells. Other *in vitro* tests for detection of gene mutation did not demonstrate genotoxic achieves. activity.

Mycophenolic acid (as sodium salt) was not tumorigenic in rats and mice. The highest dose tested in the animal carcinogenicity studies resulted in approximately 0.6-bit times the systemic exposure (AUC or C__) observed in renal transplant patients at the recommended clinical dose of 1.44 g/day.

Mycophenolic acid (as sodium salt) had no effect on fertility of male or female rats up to dose levels at which

Mycophenolic acid (as sodium sall) had no effect on ferfully of male or female rats up to dose levels at which general toxicity and embryotoxicity were observed, including anophthalmia, exencephaly and umbilical hernia. The malformations in the offspring were observed, including anophthalmia, exencephaly and umbilical hernia. The systemic exposure at this dose represents 0.05 times the clinical exposure at the dose of 1.4 g/day of MPA. In a pre- and positivatal development study in rat, mycophenolic acid (as sodium sail) caused (developmental delays abnormal pupiliary reflex in females and preputial separation in males) at the highest dose of 3 mg/kg that also induced malformations.

Mycophenolic acid (as sodium salt) showed a phototoxic potential in an *in vitro* 3T3 NRU phototoxicity assay

CLINICAL PARTICULARS

Therapeutic Indications RENODAPT-S° 180 / RENODAPT-S° 360 is indicated in combination with ciclosporin and corticosteroids for the prophylaxis of acute transplant rejection in adult patients receiving allogeneic renal transplants

Posology and Method of Administration

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Treatment period and the RENDOAPTS' 180 / RENDOAPTS' 360 should be initiated and maintained by appropriately utilified maintained by appropriately cualified maintained by appropriately cualified maintained by appropriately cualified maintained by appropriately compared by a second by the second by the second by the second by the new period by the second secon

Children and Adolescents

Insufficient data are available to support the efficacy and safety of RENODAPT-S^{*} 180 / RENODAPT-S^{*} 360 in children and adolescents. Limited pharmacokinetic data are available for paediatric renal transplant patients.

Elderly The maximum recommended dose in elderly patients is 720 mg administered twice daily.

Patients with Renal Impairment

reuteritis with Kernal impairment In patients experiencing delayed renal graft function post operatively, no dose adjustments are needed (see section Pharmackinetic Properties). Patients with severe renal impairment (glomerular filtration rate <25 ml min ⁻¹,73 m⁻²) should be carefully monitored and the daily dose of RENODAPT-S' 180 / RENODAPT-S' 360 should not exceed 1,440 mg.

Patients with Hepatic Impairment No dose adjustments are needed for renal transplant patients with severe hepatic impairment.

Treatment During Rejection Episodes Renal transplant rejection does not lead to changes in pharmacokinetics of mycophenolic acid (MPA); dosage modification or interruption of RENODAPT-S⁺ 180/ RENODAPT-S⁺ 360 is not required.

Contraindications

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For information on use in pregnancy and lactation and contraceptive requirements, see section Pregnancy and Lactation

To minimum on the user in pregnancy and tackatour and contraceptive requirements, see section reginancy and Lacitation. Special Warnings and Precautions for Use Patients receiving immunosuppression be related to the intensity and duration of immunosuppression rather than to the use of any specific agent. As general advice to minimise theris for skin cancer, exposure to sunifight and Ub light should be limited by wearing protective clothing and using a survicem with a high protection factor. Patients receiving immunosuppression 15 to ReNDAPTS - 360 should be instructed to immediately proper tary evidence of infection, unexpected bruising, bleeding or any other manifestation of home-darger spin Patients receiving RNDDAPTS - 1800 / RNDDAPTS - 360 should be instructed to immediately proper tary evidence of infection, unexpected bruising, bleeding or any other manifestation of home-marrow depression. Patients receiving RNDDAPTS - 1800 / RNDDAPTS - 360 should be instructed to informediately proper tary evidence of infection, unexpected bruising, bleeding or any other manifestation of home marrow depression. Patients received with immunosuppression ratio and uncluing mycophenolic acid, are a increased risk for opportunistic infections (bacterial, fungal, viral and protozoal), faila infections are often related to a high total immunosuppressive burden and mycophenolite motific and are also any constraint on the uncluing increase this should consider in the differential diagnosis in immunosuppressed patients with deteriorating renal function or neuroidical symptoms. The mechanism for MPA derivative induced PRCAL survives and burden and my seale with MPA derivatives (which include mycophenolate motific and mycophenolate sodium) in combination with other immunosuppressed bit file. Patients receiving mymphetic acid RPAD ReNDAPFS - 300 bitrapy should only be undertaken under appropriate supervision in transplant recipients in order to minimise the risk of gart rejection (see section Unders) for these cauc



Mycophenolic Acid Tablets

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It is recommended that RENODAPES' 180 / RENODAPES' 360 not be administered concomitantly with azathioprine because concomitant administration of these drugs has not been evaluated. Mycophenolic acid (as sodium sall) and mycophenolize mofetil should not be indiscriminately interchanged or substituted because of their different pharmacokinetic profiles. Mycophenolic acid has been administered in combination with corticosteroids and ciclosporin. There is limited experience with its concomitant use with induction therapies such as anti lymphcyte globulin or basilikinab. The efficacy and safety of the use of mycophenolic acid with other immunosuppressive agents (for example facrolinus) bave not been studied.

basiliximab. The efficacy and safety of the use of mycophenolic acid with other immunosuppressive agents (for example, tacrolimus) have not been studied. RENODAPT.S' 180 / RENODAPT.S' 360 contains tactose. Patients with rare hereditary problems of galactose intolerance, the Lapp tactsae deficiency or glucose-galactose malabscoption should not take this medicine. The concomitant administration of MMA and drugs which interfere with enterohepatic circulation, for example cholestyramine or activated charocal, may result in sub therapeutic systemic MMA exposure and reduced efficacy. MPA is an IMPDH (inosine monophosphate dehydrogenase) inhibitor. Therefore, it should be avoided in patients with rare hereditary deficiency of hypoxanthine guanine phosphoritosyl transferase (HGPRT) such as Lesch Nyhan and Kelley Segmiller syndrome. RENDDAPT.S' 180 / RENDDAPT.S' 360 (herapy should not be initiated until a negative pregnancy test has been obtained. Effective contraception must be used before beginning RENDDAPT.S' 180 / RENDAPT.S' 360 therapy, during therapy and for 6 weeks following therapy discontinuation (see section Pregnancy and Lactation).

Drug Interactions The following interactions have been reported between MPA and other medicinal products:

Aciclovir and Ganciclovir The potential for myelosuppression in patients receiving both MPA and aciclovir or ganciclovir has not been studied. Increased levels of mycophenolic acid glucuronide (MPAG) and aciclovir/ganciclovir and been when aciclovir/ganciclovir and MPA are administered concomitantly, possibly as a result of competition for the tubular secretion pathway. The changes in MPAG pharmacokinetics are unlikely to be of clinical significance in patients with adequate renal function. In the presence of renal impairment, the potential exists for increases in plasma MPAG and aciclovir/ganciclovir concentrations; dose recommendations for aciclovir/ganciclovir should be followed and patients carefully observed.

Castroprotective Agents Magnesium-aluminum containing antacids: MPA AUC and C_m have been shown to decrease by approximately 37% and 25%, respectively, when a single dose of magnesium aluminium containing antacids is given concomitantly with MPA. Magnesium aluminium containing antacids may be used intermittenity for the treatment of occasional dyspepsia. However, the chronic, daily use of magnesium aluminium containing antacids with MPA is not recommended due to the potential for decreased mycophenolic acid exposure and reduced efficacy. Proton pump inhibitors: In healthy volunteers, no changes in the pharmacokinetics of MPA were observed following concomitant administration of MPA and pantoprazole given at 40 mg twice daily during the four previous days. No data are available with other proton pump inhibitors given at high doses.

Oral Contraceptives

Interaction studies between MMF and oral contraceptives indicate no interaction. Given the metabolic profile of MPA, no interactions would be expected for MPA and oral contraceptives.

Caution should be used when co-administering drugs or therapies that may bind bile acids, for example bile acid sequestrates or oral activated charcoal, because of the potential to decrease MPA exposure and thus reduce the efficacy of MPA.

Ciclosporin

Ciclosporin When studied in stable renal transplant patients, ciclosporin pharmacokinetics were unaffected by steady state dosing of MPA. When co-administered with mycophenolate mofetil, ciclosporin is known to decrease the exposure of MPA. When co-administered with MPA, ciclosporin may decrease the concentration of MPA as well (by approximately 20%, extrapolated from mycophenolate mofetil data), but the exact extent of this decrease is unknown because such an interaction has not been studied. However, as efficary studies were conducted in combination with ciclosporin, this interaction does not modify the recommended posology of MPA. In case of interruption or discontinuation of ciclosporin, MPA dosage should be re-evaluated depending on the immunosuppressive regimen. immunosuppressive regimen.

Tacrolimus In a calcineurin cross-over study in stable renal transplant patients, steady state pharmacokinetics of MPA were measured during both Neoral and tacrolimus treatment. Mean MPA AUC was 19% higher (90% confidence interval, Cl. - 3, +47), whereas mean MPAG AUC was about 30% lower (90% Cl. 16, 42) on tacrolimus compared to Neoral treatment. In addition, MPA AUC intra subject vraibility was doubled when switching from Neoral to tacrolimus. Clinicians should note this increase both in MPA AUC and variability, and adjustments to MPA dosing should be dictated by the clinical situation. Close clinical monitoring should be performed when a switch from one calcineurin inhibitor to another is planned.

Live Attenuated Vaccines Live vaccines should not golven to patients with an impaired immune response. The antibody response to other vaccines may be diminished.

Pregnancy and Lactation
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RENODAPT-S' 180 / RENODAPT-S' 360 therapy should not be initiated until a negative pregnancy test has been
oblained. Effective contraception must be used before beginning RENODAPT-S' 180 / RENODAPT-S' 360 therapy,
during RENODAPT-S' 180 / RENODAPT-S' 360 therapy and for six weeks after discontinuing therapy. Patients
should be instructed to consult their physical minediately should pregnancy cours.
The use of RENODAPT-S' 180 / RENODAPT-S' 360 is not recommended during pregnancy and should be reserved
for cases where no alternative treatiment is available.
There is limited data from the use of MRA in pregnant were. However, congenital malformations including ger
anaformations i.e. adnormally formed or absent external/indice ar, have been reported in children of patients
exposed to mycophenolate in combination with other immunosuppressants during pregnancy. Cases of
spontaneous abortions have been reported in patients exposed to mycophenolate in compounds. Studies in
animas have shown reproductive toxicity (see section Preclinical Safety Data).

Lactation

MPA is excreted in milk in lactating rats. It is unknown whether MPA is excreted in human breast milk. Because of the potential for serious adverse reactions to MPA in breast fed infants, MPA is contra indicated in women who are breast-feeding (see section Contraindications).

FFFECTS ON ABILITY TO DRIVE AND USE MACHINES

In restor softwaler in the barry softwale and use machines have been performed. The mechanism of action and pharmacodynamic profile and the reported adverse reactions indicate that an effect is unlikely.

UNDESIRABLE EFFECTS The following undesirable effects cover adverse drug reactions from clinical trials:

Malignancies

Mailgnancies Patients receiving immunosuppressive regimens involving combinations of drugs, including MPA, are at increased risk of developing lymphomas and other malignancies, particularly of the skin (see section Special Warnings and Precautions for Use). Lymphoproliferative disease or lymphoma developed in 2 *a ono* (0.9%) patients and in 2 maintenance patients (1.3%) receiving MPA for up to 1 year. Non-melanoma skin carcinomas occurred in 0.9% of *de novo* and 1.8% of maintenance patients receiving MPA for up to 1 year; other types of malignancy occurred in 0.5% of *denovo* and 0.6% of maintenance patients.

Opportunistic Infections

Opportunistic infections All transplant patients are at increased risk of opportunistic infections; the risk increased with total immunosuppressive load (see section Special Warnings and Precautions for Use). The most common opportunistic infections in *de novo* renal transplant patients receiving MPA with other immunosuppressants in controlled clinical triaks of renal transplant patients receiving MPA with other immunosuppressants in controlled clinical transplant patients followed for 1 year were cytomegalovirus (CMV), candidiasis and herpes simplex. CMV infection (servlogy, viremia or disease) was reported in 21.6% of *de novo* and in 1.9% of maintenance renal transplant patients.

Elderly Patients Elderly patients may generally be at increased risk of adverse drug reactions due to immunosuppression.

Other Adverse Drug Reactions Adverse drug reactions are listed below which is possibly or probably related to MPA reported in the controlled

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clinical trials in renal transplant patients, in which MPA was administered together with ciclosporin microemulsic corticosteroids at a dose of 1,440 mg/day for 12 months. It is compiled according to MedDRA system organ class Adverse reactions are listed according to the following categories: Very common [>1/100 to <1/100 Lorommon [>1/100 to <1/100 (≥1/100 to <1/10) (≥1/1,000 to <1/100) (≥1/10,000 to <1/1,000) (<1/10,000) Uncommon Rare Verv rare Cardiac Disorders Cardiac Disorders Uncommon: Tachyardia, pulmonary edema, ventricular extrasystoles. Blood and Lymphatic System Disorders Very common : Leukopenia Common : Anemia, thrombocytopenia Uncommon : Lymphocele*, Jymphopenia*, neutropenia*, Jymphadenopathy* Nervous System Disorders Common - Headrobe Headache Tremor, insomnia* Common Uncommon Eye Disorders Uncommon : Conjunctivitis*, vision blurred* Respiratory, Thoracic and Mediastinal Disorders Cough Pulmonary congestion*, wheezing*
 Respiratory
 Indiaction of inclusion and originate of softward

 Common
 Cough

 Uncommon
 Pulmonary congestion*, wheezing*

 Gastrointestinal Disorders
 Very common

 Very common
 Diarrhea

 Common
 Abdominal distension, abdominal pain, constipation, dyspepsia, flatulence, gastrilis, loose stoods, nausea, vomiting

 Uncommon
 Abdominal tenderness, gastrointestinal hemorrhage, eructation, halitosis*, lieus*, lip ulcration*, eophagitis*, sublieus*, longue discoluration*, dry mouth*, gastro esophagarel refux disease*, ginglival hyperplasia*, pancreatitis, parotid duct obstruction*, peptic ulce*, peritonilis*

 Renal and Urinary Disorders
 Common
 Increased blood creatinine

 Uncommon
 Hematura*, renal tubular necrosis*, urethral complications
 Skin and Subcutaneous Tissue Disorders

 Uncommon
 Alopedia_contusion*, muscle cramps
 Uncommo
 Alopedia_contusion*
 Common Uncommon : Anorexia, hyperlipidemia, diabetes mellitus*, hypercholesterolaemia*, hypophosphatemia Infections and Infestations Very common : Viral, bacterial and fungal infections Common : Upper respiratory tract infections, pneumonia Uncommon : Wound infection, sepsis*, osteomyellita* Neoplasms Benign, Malignant and Unspecified (including cysts and polyps) Uncommon : Skin papilloma*, basal cell carcinoma*, Kaposis sarcoma*, lymphoproliferative disorder, squamous cell carcinoma* Common : Faligue, pyrexia Uncommon : Follower Bit: " Fatigue, pyrexia Influenza like illness, edema lower limb*, pain, rigors*, thirst*, weakness* Uncommon : Influe Hepato-biliary Disorders Hepatic function tests abnormal Common Reproductive System and Breast Disorders Uncommon Impotence* Uncommon : Impotence* Psychiatric Disorders Uncommon : Abnormal dreams*, delusional perception* "Event reported in a single patient (out of 372) only. Note: renal transplant patients were treated with 1,440 mg MPA daily up to 1 year. A similar profile was seen in the *de novo* and maintenance transplant population although the incidence tended to be lower in the maintenance patients. Rash has been identified as an adverse drug reaction from post marketing experience. Determines the molecular and a an adverse of up treat/outmine position reporting experience. The following additional adverse reactions are attributed to MPA derivatives as a class effect: Gastrointestinal Disorders: Collits, CMV gastritis, intestinal perforation, gastric ulcers, duodenal ulcers. Infections and Infestations: Serious, life-treatening infections including meningitis, infectious endocarditis, tuberculosis, and atypical mycobacterial infection. Cases of BK virus associated nephropathy, as well as cases of JC virus associated progressive multifocal leukonecephalopathy (PMU), have been reported in patients treated with immunosuppressants, including MPA (see section Special Warnings and Precautions for Use).

Blood and Lymphatic System Disorders:

Blood and Lymphatic System Disorders: Neutropenia, panortopenia. Cases of pure red cell apiasia (PRCA) have been reported in patients treated with MPA derivatives (see section Special Warnings and Precautions for Use). Isolated cases of abnormal neutrophil morphology, including acquired Pelger Huet anomaly, have been observed in patients treated with MPA derivatives. These changes are not associated with impaired neutrophil function. These changes may suggest a 'left shift' in maturity of neutrophils in haematological investigations, which may be mistakeny interpreted as a sign of infection in immunosuppressed patients such as those that received MPA.

Overdose

No case of overdose has been reported. Although dialysis may be used to remove the inactive metabolite MPAG, it would not be expected to remove clinically significant amounts of the active moiety MPA. This is in mainly due to the very high plasma protein binding of MPA (97%). By interfering with enterohepatic circulation of MPA, bile acid sequestrants, such as cholestyramine, may reduce the systemic MPA exposure.

PHARMACEUTICAL PARTICULARS

Incompatibilities Not applicable

Shelf Life : 24 months

Storage and Precautions Store in a cool, dry place. Protect from light and moisture.

Special Precautions for Disposal and Other Handling Where crushing of Renodapt-S' 180/ Renodapt-S' 360 tablets is necessary, avoid inhalation of the powder or direct contact of the powder with skin or muccus membrane Any unused product or waste material should be disposed of in accordance with local requirements.

Nature and Contents of Container:

RENODAPT - S^{*} 180 3 x10 Tablets, 10 tablets are packed in an Alu/Alu blister and 3 such blisters are packed in a printed carton along with pack insert

RENODAPT - \$'360 5 x 10 Tablets, 10 tablets are packed in an Alu/Alu blister and 5 such blisters are packed in a printed carton along with pack insert.

MANUFACTURED BY: The Madras Pharmaceuticals, No. 137 B, Old Mahabalipuram Road, Karapakkam, Chennai - 600 096.

MARKETED BY

Biocon Limited, 20th KM, Hosur Road, Electronics City, Bangalore-560 100, India

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To report adverse events and/or product complaints visit our website www.biocon.com or call toll free no 1800 102 9465 or e-mail us at drugsafety@biocon.com

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