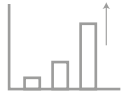


Diaphage[®] GR

{ Metformin hydrochloride 500 - 1000 mg Tablets }



Better bioavailability



Less side effects



Effective glycemic control



- (1) Pharmazie 65:97-101 (2010)
- (2) 70 th Annual Scientific Sessions of the American Diabetes Association, 2010
- (3) JCPR 13-2011
- (4) PDR 2011.
- (5) Curr Drug Deliv. 2009 Oct;6(5):477-85.



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Diaphage[®]

{ Metformin hydrochloride 500 - 1000 mg Tablets }

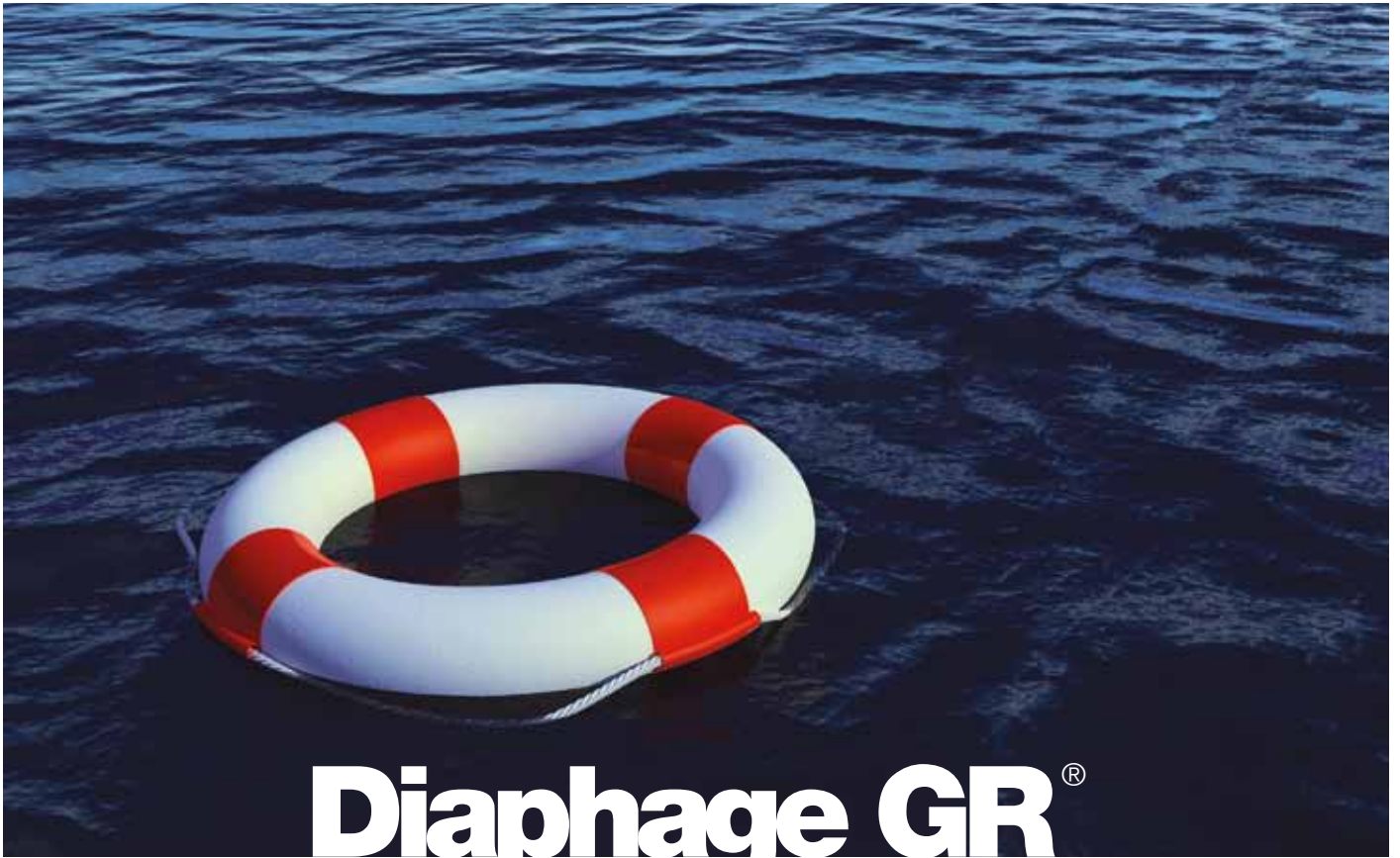
GR



Keep on
floating

Innovative

Metformin
effervescent
floating tablet
from **NCPI**



Diaphage GR®



Innovation



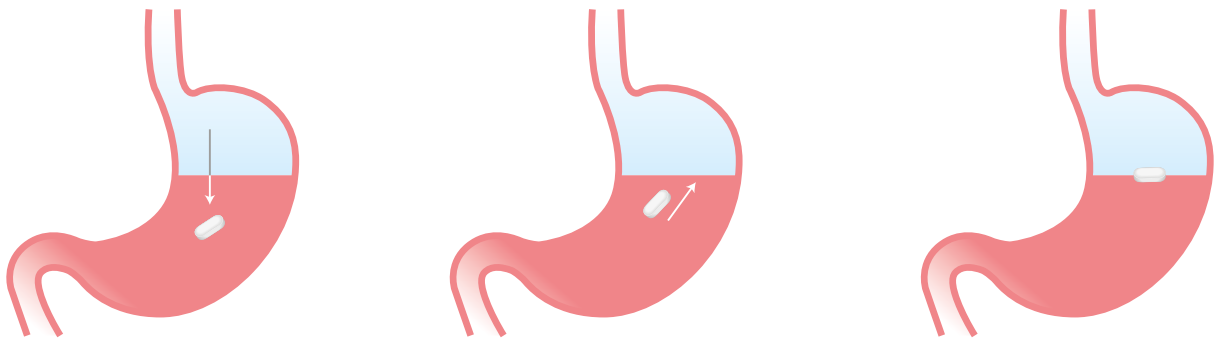
Convenience



Compliance

Effervescent

gas floating drug delivery system



Diaphage GR Tablets are matching ⁽¹⁾



Hardness should be

> 10 kb



Time to dissolve 60 % of drug (t60%)

6-7 hrs



Buoyancy: floating lag time (FLT)

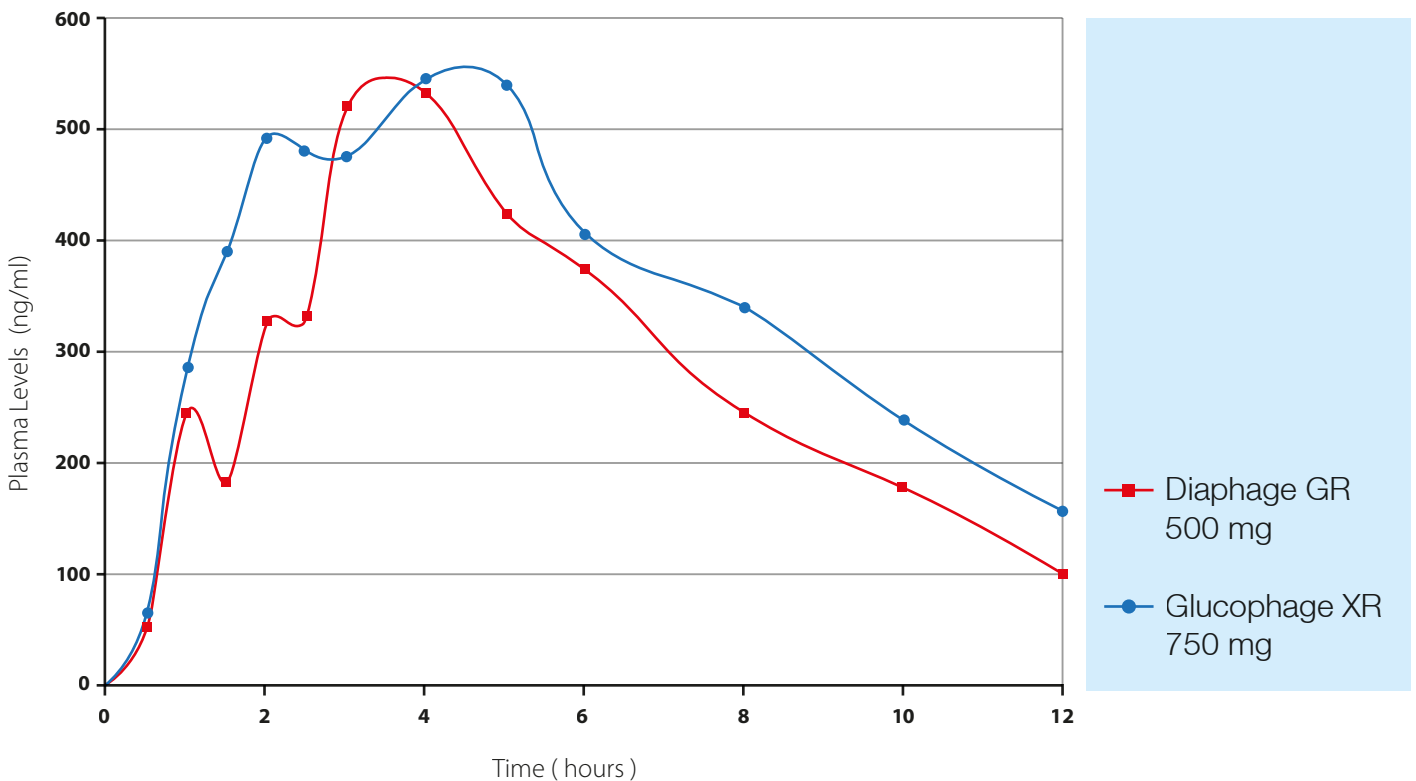
<120 s

Diaphage GR®



Releases the metformin dose slowly over many hours optimizing delivery of the drug during the "therapeutic window," potentially maximizing its therapeutic benefits and decreasing gastrointestinal side effects.

Best pharmacokinetic profile with excellent bioavailability ⁽³⁾



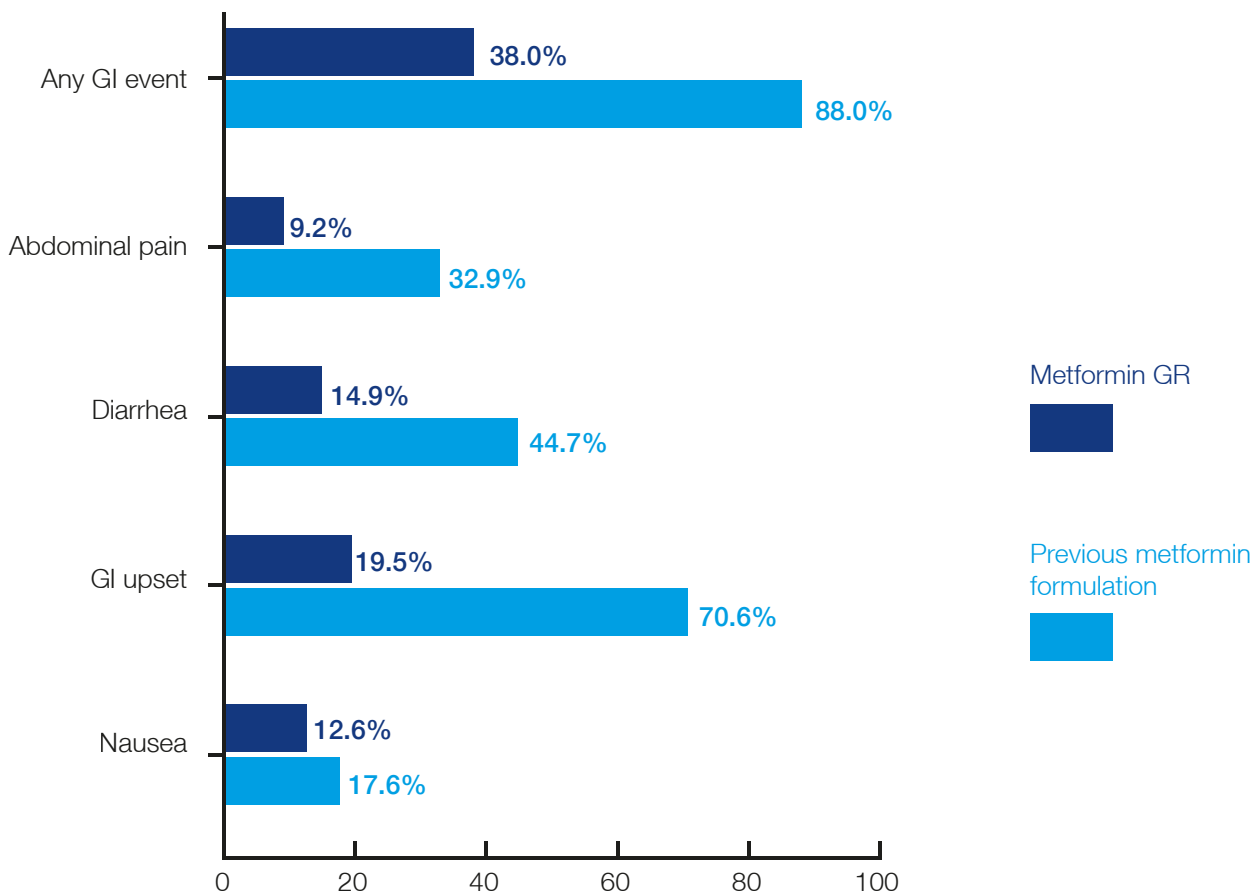
Mean metformine plasma concentration-time profile after the administration of Diaphage GR 500 mg and Glucophage XR 750 mg under fast condition.



The

incidence of GI adverse events was lower with Metformin GR[®] than with immediate release formulation (2)

Gastrointestinal Adverse Events



Recommended

dosing schedule ⁽⁴⁾

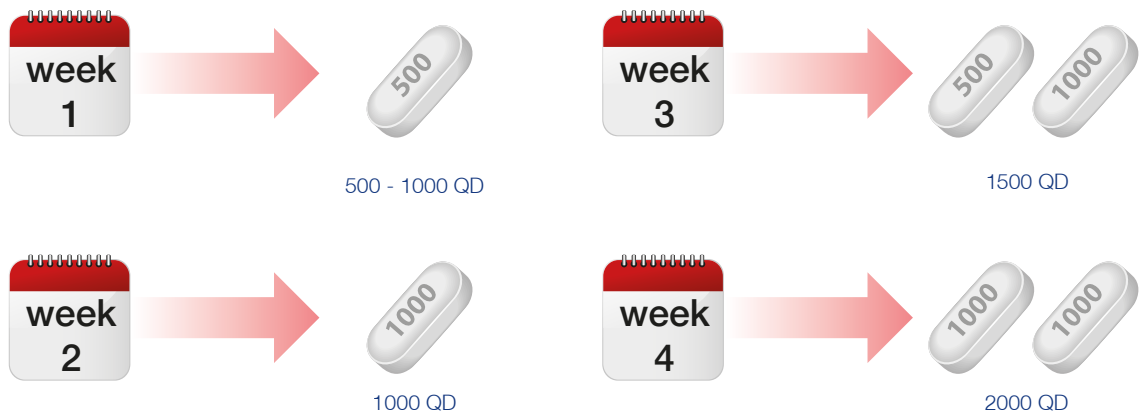
The starting dose of Diaphage GR[®] (Metformin GR) is 1000 mg once daily which in order to maximize therapeutic efficacy must be taken with food preferably in the evening.

Dosage increases should be made in increments of 500 mg weekly, up to a maximum of 2000 mg once daily with the evening meal.

If glycemic control is not achieved on Diaphage GR[®] (Metformin GR) 2000 mg once daily, a trial of Diaphage GR[®] (Metformin GR) 1000 mg twice daily should be considered.

Patients receiving immediate release metformin treatment can be switched to Diaphage GR[®] (Metformin GR) once daily at the same total daily dose, up to 2000 mg once daily.

Diaphage GR[®] Titration Schedule ⁽⁵⁾





Metformin GR and oral sulfonylurea therapy in adult patients

If patients have not responded to four weeks of the maximum dose of Diaphage GR[®] (Metformin GR) monotherapy, consideration should be given to gradual addition of an oral sulfonylurea while continuing Diaphage GR[®] (Metformin GR) at the maximum dose

Metformin GR and insulin therapy in adult patients

If patients have not responded to four weeks of the maximum dose of Diaphage GR[®] (Metformin GR) monotherapy, consideration should be given to gradual addition of an oral sulfonylurea while continuing Diaphage GR[®] (Metformin GR) at the maximum dose.

The current insulin dose should be continued upon initiation of Diaphage GR[®] (Metformin GR).

Diaphage GR[®] (Metformin GR) therapy should be initiated at 500 mg once daily in patients on insulin therapy.

For patients not responding adequately, the dose of Diaphage GR[®] (Metformin GR) should be increased by 500 mg after approximately 1 week and by 500 mg every week thereafter until adequate glycemic control is achieved.

The maximum recommended daily dose of Diaphage GR[®] (Metformin GR) is 2000 mg.

It is recommended that the insulin dose be decreased by 10% to 25% when fasting plasma glucose concentrations decrease to less than 120 mg/dL in patients receiving concomitant insulin and Diaphage GR[®] (Metformin GR).