7 / ...

Ministein, A. C., Indianapolis

ss: Dr. M. J. Damberg

S. Heymanns

B. v. Kcitz

D: . E. - 7. Weber

b. . atrus. C., Indianapolis

Timeret

Please find enclosed the Sinel version inort (physician's - shell - and page has been additionally included the interred in the paper by Steiner at all (version of :kact and patien ge has been discussed and acce; the interestions with tryptopn lops with tryptopas.

ength only so breed on the cocare recommendations in the rivength only so based on the chicken on the chicken of the chicken of the chicken of the different alternation follows: eddustments have been made for

"If not prescribed differently by the physician it is recommended to administer Fluctin once taily, preferably in the morning. Ingestion with food is possible".

(This applies for all strangths)

. t...i. coderny i capsule d is In the elderly and patients with less pody weight maximum dose ald not occeed capsules of Fluotic 20'd.

It prize to the every liver impairment half of the scheduled the should be given, i.e. I carsule every ind day up to 2 cap-14.+ b. d.

FICTION 30 A case of 1-2 capsules/d is recommended. In patients with severe I'ver appearment half of the scheduled dose should be given, i.s. causale every second day up to 1 capsuleid.

2/ ...

H.N. SOLCE

PARTE ZER

Fluctin 40
A dose of 1-2 capsules/d is recommended. In the elderly and patients with less body weight maximum dose should not exceed 1 capsule/d. In patients with severe liver impairment half of the scheduled dose should be given.

Fluction 60

A Case of 1 capsule per day is reformed. In partients with severe liver impairment half of the scheluled doct should be given, i.e. 1 capsule every secret day.

We assume your approval unless that fee differently aill Dec. 15. We applicate for that tough deadline by would run otherwise into troubles with our of timeframe.

Also we send you a trenslation of our proposed response for the BGA (encl. 3), second expense coinion on phospholipidosis (encl.) and the commencation on suicide (estures compiled here in Bad Homburg lengt. 5). (The case summaries Dr. Wernicke sent are not attached but will be included, too. We would appreciate your comments also till Dec. 150

Regards

Dr. H. N. Schulze-Colce

E--:.

22467 20

#### Physician's Information

#### Fluctin

- 1. Name of Drug: Fluctin 20/30/40/60
- 2. Regulations for distribution:

on prescription

This drug contains a substance of which the action is not componently known to the medical science and for which the manufacturer has to submit an experience report to the responsible lederal authority according to \$ 49/6 LMG.

3. Indication group, active components:

antidepressant

Fluctin 20, one capsule contains 22.4 mg fluoresine hydrochloride equivalent to 20 mg fluoretine

Fluctin 30, Fluctin 40 etc.

- 4. Indications: As in patient's information
- As in patient's internation the mixtour procuution statements;
- following adverse events have been observed in clinical trials lister according to descending frequency of occurence: as in parient's information

Weight loss is a frequent observation with Fluctin treatment. Patients with proved waight lost 1 kg on the average during a 6 week treatment period and overweight patients 2 kg. Occasionelly rath ordered, which was very rarely accompanied by arthralgia and fever. In such cases it may become neccessary to discontinua fluctin and if necessary treat with corticosteroids temporarily.

Depressed laurocyte counts and elevation of serumtransaminases and been observed tarely.

7. Interactions:

Fluctin shall not be coadministered with MAO-inhibitors, MAOinhibitors shall be discontinued at least 2 weeks before start
of treatment with Fluctin. Also the concomitant use of tryptophane shall be avoided.

There are only limited experiences available concerning the
concomitant application of electroshock-therapy.

Elimination of diazepam was prolonged in interaction studies
in volunteers. Oberscruations suggesting a significance of
this effect had not been made in clinical trials.

z2467 206

Based on the currently available investigations in volunteers there is no evidence for interactions with alcohol, barbiturates, oral antidiabetics and thiazide-diuretics.

No interactions had been observed in climical trials whet antihypertensives, analysics, chloralhydrate and benzodiazerics thyroid-hormones, antihistamines, antibizing, cimetidine, antacids, or lithium were administered. Alcohol has to be avoided during freezeent although in specific investigations no amplification of the elcohol action by Fluctin had been observed.

- 8. Warning statements: None
- 9. Most important incompatible:
- The dose is 20 8: mg flucketine per day Usually treatment with 20 mg flucketine per day is sufficient.

  Fluctin may be administered once daily preferably in the morning. It may be administered with foot.

  In severe impairment of liver function plasma clearance of fluoxetine is reduced. Therefore only half of the scheduled dose may have to be administered. This may be done by alternate accinistration every and day.

  Although plasma clearance in the elderly was not different from normal patients in specific investigations, a maximum dose of 3 capsulas/day = 60 mg of fluoxetine is recommended in the elderly and patients with low body weight.
- 11. Kind of application direction of treatment:
  Fluctin is roll oral use.
  Up to now there are experiences with treatments up to
  6 years in single cases.
  - 12. Overdosage, emergencies, symptoms, antidots:

    More than 20 obses of overdosage have been reported during clinical trials. In all cases in which Fluctin was the only drug ingested patients survived. The highest dose ingested was approx. 3000 mg. In this case 2 brief seizures were observed. Commonly the clinical symptoms consisted of dizziness, nausea, vomiting, tachycardia, also accomposition disturbances. Severe arrhythmias did not occur.

    Primary detoxication on the day of ingestion by gastric lavage may be useful, while divresis, dialysis or haemoperfusion do not promise to be effective because of the large volume of distribution of Fluctin.

13. Pharmacology, toxicology:

Pharmacology: The mechanism of action of fluoxetine as an antidepressant appears to be its inhibition of serotonin reuptake at synaptic nerva terminals.

appears to be its inhibition of serotonin reuptake at synaptic nerve terminals.

Animal studies suggest that in contrest to tricyclic anticer presents fluoxetine in therapeutic does? If not inhibit catecholarine reuptake and that there is no direct action on neurotransmitter receptors such as malinerace, adrended this taminerate or serotonergic and out not have direct defects on the heart. Studies in volunteets evaled no evidence for clinically relevant influence of corposit, projectin, Eds. LK. FSM, and testosterone. Heart fate brod pressit and 200 were not significantly affected in of notal trials. Fluoxetin is absorbed to a least of the first ingestion food delays the rate of absorption but for the extent of absorption. Fluoxetine is metabolised to the largest extent of absorption. Fluoxetine is metabolised to the largest extent of absorption Fluoxetine. The major metabolity is norfluoxetine formed by demethylation. Norfluoxetine also is a selective section for reuptake inhibitor. The half life of fluoxetine after single dose is about 2 days and after multiple loce 4 days. The half life of norfluoxetine is about 7 days after single dos multiple dase. Plasmaconceptrations reach attack tate after 2 - 3 weeks. Plasma-clearable in patients in for fluoxetine approx. 20 1/hour and for marking time and proved by the fluoxetine approx. 20 1/hour and for marking time and proved by the fluoxetine is about 70 - 45 1/kg and plasma protein binding is 54 %. Elderly and patients with renal impairment including functional anephric patients with not demonstrate significant changes of plasma clearance. In patients with severe impairment of liver function, however the metabolism of fluoxetine is delayed.

Up to now, there are no data available concerning distribution

Up to now, there are no data available concerning distribution of fluoretime is serebrospinal fluid, breast milk or concerning transplacenta Adiffusion in humans.

Toxicology Carcinogenicity, mutagenicity, fertility and teratogenicity studies did not reveal any abnormalities. Mice, rats, and dogs which had been given fluoxetine for 3 - 12 months showed phospholipid accumulation in lung, liver, adrenal and retina. These changes were all reversible and not characterized by clinical symptoms or other toxic sequelae.

Specific studies in volunteers and patients particularly in comparison to compounds which are known to induce phospholipidosis in humans revealed no findings suggesting similar abnormalities in humans by fluoxetime.

- There is no indication of any toxic asylor of Fluctin on the offspring. However, during premancy instril especially during the first a months only child be invested if there are months only child be invested if there especially during the first a months only child be invested if there especially patients with severe impairment of fiver function showed a delay in metabolism of fluctin to the an adjustment of dose must be performed (see dosete). Fluctin does not have sedative properties. In agitated patients or with significant along fisturbayoes it is recommended to coadminister seasing medication as the start of treatment with Fluctin.

  Manic and psychotic states have been resorted in single cases in susceptible patients.

  Until the antidepressive feet occurs particular severe depressive patient and patients with faicked risk have to be observed sufficiently.

  According to currently available investigations no impairment is to be expected while aparating rachines and driving cars.

  Literature is to be expected while aparating rachines and driving cars.

  Literature is to be expected while aparating rachines and driving cars.

  According to today's comment of inicial practice liver specific enzyme concentrations and haenotologiced parameters should be date mined in regular intervals particularly in longtarm treatment.
- 15. Stability:
  After expiry date Riggin shall not be administered.
- 16. Recommendations for atorage: None. Fluctin may be stored with room temperature.
- 17. Pharmaceutical formulations and package sizes: Fluctin 70, Fluctin 30, Fluctin 60
- 18. Date of incommation: December 1986
- 19. Company: Eli Lilly GmbH Teichweg 3 D-6300 Gießen

PATIENT'S INFORMATION

Eli Lilly GmbH Giesen

Fluctin 20 Active component: Fluoxetine Hydrochloride

Composition: 1 capsule contains 22.4 mg fluoxetire hydrochloride equivalent to 20 mg fluoxetine

Indication:
Fluctin is indicated for the treatment of depressive syndromes different origin as for example endogenous, neurotic and heartive depressions.

Contraindications:

Hypersensitivity to fluoxetine.

Treatment of children and acciences up to le years with Fluctin is not recommended since no callical experiences are available for this group of age.

Fluctin should not be administered to nursing wothers.

Precaution:
There is no indication of occid influence on the offspring. However, Fluctin only should be administered claims pregnancy particularly ouring the first these panths wher earlied benefit risk assessment has been made by the physician.

In patients with severe impairment at liver function, the metabolism of Fluctin is prolonged, so that adjustment of dose has to be performed (see doses).

The following side effects may occur: nauses, headache, nervousness, sleeplessness, anxiety, drowsiness, diarrhea, dry mouth, tremor, sweating, andrexia, disturbance of vision, coniting, sedation, pruritus. Many of these events are symptoms of depression and most of them subside during course of ureathent.

Slight weight loss is a frequent event occurring with treatment of Fluctin.

Occasionally rush may occur which very rarely is accompanied by arthralgia and fever. In these cases Fluctin shall not be continued and the treating physician shall be consulted.

Decrease of white blood count or elevation of liver enzymes were rarely observed.

Precaution:

Finetim lacks sedating effects. In agitated patients or patients suffering from significant sleep disturbances, additional application of a sedative is recommended at beginning of the treatment. Until antidepressive actions become effective, patients are to be observed sufficiently.

According to currently available investigations no impact is to expect on operating machines and driving cars. However, it is recommended to observe the individual reaction carefully.

Interactions:
Pluctin shall not be administered concomitantly with MAO-inhibitors
MAO-inhibitors have to be discontinued at least two weeks before
treatment with Fluctin is initiated. A concomitant therapy with
tryptophan should also not be performed
Elimination of diszepan may be slightly trolonged.
Up to now no interactions have been observed with concomitant
administration of barbiturates or other relating and sleaning agents,
oral antidiabetics, thiszide-disration, attihytertersives, analgesics,
thyreoid-hormones, antihistamines, antibiotics, excetiding and
other gastric acid inhibiting drups or lithium, alcohol is to
sucid during treatment although a principle interactions and
amplification of the action of alcohol was observed.

Dosage and usage:

If not prescribed differently by the physician if is recommended to administer Fluctin once daily, preferably to the morning. Ingestion with food is possible.

The dose is 1 to 4 cabaler FLUCTIN 20 per day. Usually, treatment with one capsule/cay FDSCIN 20 is sufficient. In the elderly and patients with less bad; weight the dose should not exceed 3 capsules FLUCTIN 20 per day. In patients with severe impairment of liver function the dose should be halved, that means 1 capsule every second day to 2 capsules per day.

After exply date Flucting that not be administered.

Drugs have bobe stored inaccessible for children.

Pz2467 2

Eli Lilly GmbH Gießen

Fluctin 30 Active component: Flucxetine Hydrochloride

Composition: 1 capsule contains 33.6 mg flucxetine hydrochloride equivalent to 30 mg fluoxetine

Indication:
Fluctin is indicated for the treatment of depressive syndromes of different origin as for example endogerous neurotic and heartive depressions.

Entraindications:
Hypersensitivity to fluoxetine.
Treatment of children and adolescents up to 18 years with Fluctin is not recommended since no finical experiences are available for this group of age.
Fluctin should not be admirptatered to nursing cothers.

Precaution:
There is no indication of toxic influence on the offspring. However, Fluctin only should be administered during pregnancy particularly during the first three manths when caraful benefit risk assessment has been made by the physician.

In patients with severe impairment of liver function, the metabolism of Fluctin is profonded, so that adjustment of dose has to be performed (see dosage)

Side Effects.

The following side effects may occur: nausea, headache, nervousness, sleeplessnass, anxiety, drowainess, diarrhea, dry mouth, tremor, sweating, anerexia, dizzinass dyspepsia, constipation, asthenia, disturbance of vision, whiting, sedation, pruritus. Many of these events are symptoms of decression and most of them subside during course of treatment.

Slight weight loss is frequent event occuring with treatment of Fluctin.

Occasionally rush may occur which very rarely is accompanied by anthralgia and fever. In these cases Fluctin shall not be continued and the treating physician shall be consulted.

Decrease of white blood count or elevation of liver enzymes were rarely observed.

Precaution:
Fluctin lacks sedating effects. In agitated patients or patients suffering from significant sleep disturbances, additional application of a sedative is recommended at beginning of the treatment. Until antidepressive actions become effective, patients are to be observed sufficiently.

Pz2467

According to currently available investigations no impact is to expect on operating machines and driving cars. However, it is recommended to observe the individual reaction carefully.

Interactions:
Fluctin shall not be administered concomitantly with MAO-inholitors.
MAC-inhibitors have to be discontinued at least two weeks before treatment with Fluctin is initiated. A concomitant therapy with tryptophan should also not be performed.

Flimination of discepan may be slightly prolonged.

Up to now no interactions have been observed with concomitant administration of barbiturates or other secuting and sleening agents, oral antidiabetics, this side-disception, antihyterrequived analysis, thyrepid-hormones, antihistamines, antibiotics, camebidine and other gastric acid inhibiting explay or lithium, Alcohol is to avoid during treatment although in apecific investigations no amplification of the action of alcohol was specific.

Dosage and usage:

If not prescribed differently by the physician it is recommended to administer Fluctin once daily, preferably in the morning. Ingestion with food is possible.

The dose is 1 to 2 capables FLUCTIA 30 per day. In patients with severe impairment of liver function the dose should be halved, that means 1 capsule every second day to 1 capsule per day.

After expiry date Plactin shall not be administered.

Drugs have to be stored inaccessible for children.

Eli Lilly GmbH Gießen

Fluctin 40 Active component: Fluoxetine Hydrochloride

Composition: 1 capsule contains 44.8 mg fluoxetine hydrochloride equivalent to 40 mg fluoxetine

Indication:

Fluctin is indicated for the treatment of depressive syndromes of different origin as for example endogenous, neurotic and newotive depressions.

Contraindications:

Hypersensitivity to fluoxetine.

Treatment of children and adolescents up to 18 years with Fluctin is not recommended since no callical experiences are available for this group of age.

Fluctin should not be administered to nursing nothers.

Precaution:
There is no indication of boxic influence on the offspring. However, Fluctin only should be administered during pregnancy particularly during the first three months when fareful benefit risk assessment has been made by the physician.

In patients with severa impairment of liver function, the metabolism of Fluctin is prolonged, so that adjustment of dose has to be performed (see doses).

The following side effects may occur: nausea, headache, nervousness, sleeplessness, anxiety, drowniness, diarrhea, dry mouth, tremor, sweating, anorexia, dividess, dyspepsia, constipation, asthenia, disturbance of vision, wohiting, sedation, pruritus. Many of these events are symptoms of depression and most of them subside during course of treatment.

Slight weight loss is a frequent event occurring with treatment of Fluctin.

Occasionally rush may occur which very rarely is accompanied by arthralgia and fever. In these cases Fluctin shall not be continued and the treating physician shall be consulted.

Decrease of white blood count or elevation of liver enzymes were rarely observed.

Precaution:
Fluctin lacks sedating effects. In agitated patients or patients suffering from significant sleep disturbances, additional application of a sedative is recommended at beginning of the treatment. Until antidepressive actions become effective, patients are to be observed sufficiently.

Pz2467 21

According to currently available investigations no impact is to expect on operating machines and driving cars. However, it is recommended to observe the individual reaction carefully.

Interactions:
Fluctin shall not be administered conconitabely with MAO-inhibitors
MAO-inhibitors have to be discontinued at letter two weeks herers
treatment with Fluctin is initiated. A conconitant therapy with
tryptophan should also not be performed

Flimination of dissepan may be slightly prolonged.
Up to now no interactions have been observed with concomitant administration of barbiturates or other sedeting and sleeping agents, oral antidiabetics, this side-diverting, antihytertensives, analyses or there old-hormones, antihistamines extibiotics, fixed dink and other gastric acid inhibiting drugs or lithium, alcohol is to avoid during treatment although in specific investigations no amplification of the action of alcohol was observed.

Dosage and usage:

If not prescribed differently by the physician it is recommended to administer Fluctin enca daily, prefarably in the morning. Ingestion with food is possible.

The dose is 1 to 2 capsales FLUCTIN 46 per day. In the elderly and patients with less hoov weight the dose should not exceed 1 capsule FLUCTIN 40 per day. In patients with severe impairment of liver function the days should be halved, that means 1 capsule every second day to 1 capsule every day.

After expiry gave fluctin shary not be administered.

Drugs have to be stored inedces the for children.

Eli Lilly Gmh4 Gielen

Pluctin 60 Active component: Fluoxetine Hydrochloride

Composition: 1 capsule contains 67.2 mg fluoxetime hydrochloride equivalent to 60 mg fluoxetime

Indication:
Fluctin is indicated for the treatment of depressive syndromes of different origin as for example endogenous, neurotic and reactive depressions.

Contraindications:
Hypersensitivity to fluoxetine.
Treatment of children and adolescents up to 18 years with Fluctin is not recommended since no clinical experiences are available for this group of age.
Fluctin should not be administered to nursing mothers.

Precaution:
There is no indication of toxic influence on the offspring. However,
Fluctin only should be administrated by the physician.
In patients wird severe impairment of liver function, the metabolism of Fluctin is prolonged, so that adjustment of duse has to be performed (see Boasse).

Side Effects.

The following side effects has occur: nausea, headache, nervousness, sleeplessness, anxiety, drowsiness, diarrhea, dry mouth, tremor, sweating, anotexia, dirriness, dyspepsia, constipation, asthenia, disturbance of vision, voxiting, sedation, pruritus. Many of these events are symptoms of depression and most of them subside during course of treatment.

Slight weight loss is a frequent event occurring with treatment of Fluctin.

Occasionally rush may occur which very rarely is accompanied by arthralgia and fever. In these cases Fluctin shall not be continued and the treating physician shall be consulted.

Decrease of white blood count or elevation of liver enzymes were rarely observed.

Precaution:
Pluctin lacks sedating effects. In agitated patients or patients suffering from significant sleep disturbances, additional application of a sedative is recommended at beginning of the treatment. Until antidepressive actions become effective, patients are to be observed sufficiently.

According to currently available investigations no impact is to expect on operating machines and driving cars. However, it is recommended to observe the individual reaction carefully.

Interactions:
Fluctin shall not be administered concomitantly with MAO-inhibitors.
MAO-inhibitors have to be discontinued at least two weeks before
treatment with Fluctin is initiated. A concomitant therapy with
tryptophan should also not be performed.

Flimination of diszepam may be slightly prolonged.

Up to now no interactions have been observed with congamitant
administration of barbiturates or other seddring and slenging agents,
cral antidiabetics, thiszide-diuretics, and hytertepsives, analgesics,
thyreoid-hormones, antihistamines antibiotics, circuidine and
other gastric acid inhibiting drugs or lithium. Alcohol is to
avoid during treatment although in specific investigations no
amplification of the action of alcohol was observed.

Dosage and usage:

If not prescribed differently by the physician is is recommended to administer Fluctin the Saily, preferably in the morning. Ingestion with food is possible.

The dose is 1 capsule FUCTIN 60 per day in patients with severe impairment of liver function the dose should be halved, that means 1 capsule every geong day.

After expiry date fluctin shall not be administered.

Drugs have to be spored inaccessible for children.

# Translation of our answer letter to the BGA

Dear ladies and gentlemen,

In reply to your letter of Feb. 26, 1985 we would like to inform you of the following: after careful consideration of the arguments brought forward as well as of the benefit and the potential risks of the preparation we cannot share the opinion that registration should be rejected Reasons for a rejection are not applicable.

Re.: 1.

It is not true that the therapeut the fileson of flucketing has not been sufficiently proved.

Re.: 1.1

Two expert opinions, written in 1985 on the basis of the data also submitted to you ar that time, are sopplieding that the efficacy of fluoxetina has been established and that the profile of action has been sufficiently theracterized.

( attachment 2)

An expert oninion of Aug. 31 1866 written for the application for registration in the U.K. also considers the efficacy as established ( ), attachment 3).

The methodical criticism slassification of the depressions in the inclusion criteria wash-out phase, concomitant treatment with other psychotropic agents, selection of control preparations) seems to us incomprehensible after our extensive comments of October 1884. This opinion is also expressed in the expert opinions by and and is thoroughly discussed there.

2/ ...

z2467 218

Re.: 1.2

Controlled clinical trials versus comparator drugs over a period of more than 6 months are uncommon. There are also ethical objections as well as technically organisational problems in carrying them out.

Safety data are generally presented in open studies especially when they exceed a period of 6 months.

1/...

Pz2467 219

Meanwhile these data have also been published. The authors have come to the conclusion that fluoxetine is safe and effective in long-term therapy (attachment 15).

A further analysis including a comparison adverse event clusters in short-term and in long-term in stration is presented in the FDA safety update of June 1986 (attachment 1%, report no. 62, volume 54). Bases on this evaluation montgomery too concludes (attachment 1) that fluoretime is effective and well tolerated in long-term therapy.

So far, there are no reports on development of dependence.

Re.: 2

We see no suspicion of unjustiffebre adverse effects in fluoretine.

ge.: 2.1

The updated summary of all suicidal actions worldwide (deadline Aug. 3) 1986) amounts to ex in the fluoxetine therapy group and in the total of the centrol groups there are 15 cases (attachment 11)

6903 patients were treated with fluoxetine and in the control group there were 2310 patients. According to this the incidence rate for fluoxetine results in 0,009 and for the control group in 0,0065. The difference is not significant.

This incidence is considerably below the frequency reported for depressive populations attachment 13).

The analysis of the time of occurrance in the individual cases shows that suicidal actions occur neither mainly in the initial phase nor can they be attributed to plasma concentrations increasing to the steady state. Instead they are distributed over the entire duration of exposure up to events following 3 years of long-term administration (attachment 11, table 9). This indicates a genesis immanent due illness rather than induced by the substance. It is therefore justified to relate the reported suicidal actions to the duration of exposure in the individual therapy groups for fluorerine the therapy duration is 1168 and for the control groups it is 350 patient years. The incidence rates of 0.054 for fluoretine and of 0.043 for the control groups. This difference is also not significant.

The analysis (attachment 11) shows - according to the principle of chance - different fates in the smaller observation units of the individual countries. Thus in German studies only one suicide attempt was observed. It occurred in the multicenter study with hospital inepatients and occurred under amitripty-line. All data spoted refer to reports generated according to the "event system" which were initially globally classified as suicidal astrons. The analysis of the individual cases shows that for some the description "suicide attempts" is questionable (documentation on suicidal acitons, summary of cases, attachment 11).

Time and again at is brought forward that the initially strongly sending effect of the tricyclic antidepressant drugs smitriptyline and imipramine possess an effect protecting from suicide and that substances lacking initial sedation or those which even bring about stimulation are subject to the risk of activating patients prior to onset of the antidepressive effect and that therefore suicidal actions may occur more frequently.

467 2

According to even the initially submitted data do not indicate that suicidal actions might have to be attributed to the specific effect of fluoxetine. The anyway not very high number of suicidal actions would result from the dynamics of the illness (attachment 13). has subjected the initially submitted cases of suicidal actions to intensive casuistic working-up and found no priteria for a drug specific dimension of influence (attachment 12).

On the basis of these evaluations and the actual numbers of the occurrance of suicidal actions we see no cause for the suspicion suicidal risk specifically caused by fluoxetine. However, we are making allowances for the poquests of the agency by having included too following statement into our product information:

Fluoxeting does not produce a sedsting effect. For patients suffering from spitations or from distinct sleep disturbances additional administration of a sedating or sleep gromoting medication is recommended at the beginning of the fluctia therepy.

Up to the entit of the antidepressive effect especially severely ill patients and patients with the risk of attempting suicide ought to be placed under sufficient observation.

#### Re. t 2.2

In a repeated review of the data we could not find confirmation for the assumption that under therapy with the product an increase of some of the symptoms of the underlying illness, anxiety, sleeplessness and agitation may occur. The reanalyses of Aug. 14, 1984 (volume 49, p. 1-172) and of Apr. 03,

2/ ...

BVK/BEU/1815

Pz2467 222

1985 (volume 55, p. 00-121) demonstrate that some patients are clearly showing signs of agitation possibly induced by the product. Others, however, are showing signs of sedation. This, by the way, is also the case with imipramine.

In addition, we are referring to the expert opinion of item 13, p. 24 as well as p. 66 lettechment 1).

Re.: 2.3

According to the request of the agency be commissioned a special evaluation (internal neighbor of the fundings of pulmonary changes as well as af the results on pospholipid inclusions in the animal experiments and their relevance for humans attachments).

In the presented findings on the ling the expert can see no indication for a potential phospholipichels and no risk with clinical releases to the application in humans.

Meanwhile Surches investigations were carried cut in order to clarify the question to wher extent the observations on industrial of phospholipidesis in animal experiments are significant for humans

There are substances in clinical use which cause phospholipid inclusions in the spimal experiment which however, from previous experience do not show these findings in humans (e.g. imigramine). Furthermore, there are substances in use which induce phospholipidosis in the application in animals and in humans likewise (e.g. amiodarone).

37 patients who were treated with fluoxetine between 6 months and 6.5 years were compared with a negative control group of about equal size and with a group under impramine and with a further group under amiodarone therapy. The tests that were

223

carried out included mainly the lung, the eyes and the peripherial nervous system and were laid out as specifically as possible in order to detect changes possibly caused by phospholipidosis. The data obtained do not indicate a potential occurrance of phospholipidosis in humans (special test for long-term safety of flucketine, attachment 8 and report no. 61, volume 53 p. 299-534).

On the total of the findings in the crimal experiment and in the application in humans, including these results are expert opinion was obtained (Hostster attachment 191.

day can safely be used in humans.

too has again expressed his orlain on the basis of the new results of the investigations (attachment 9).

In the produce information we are referring to the findings of the animal experiments.

### Referance to item a-cot your letter

We are providing separate information for the physician and the pharmacist and the patient respectively according to the requirements of the "Zweites AMG-Enderungsgesetz" (second law concerning changes of the drug law).

The text of these sets of information is enclosed. Compared with the package insert in the original application for registration, several sections have been revised and adjusted to the changed state of knowledge.

Relevant transaminase elevations courred in clinical studies more seldom in the fluore to pups than in the active control groups (Report 10 62 021. 54, p 423)

An investigation to determine the pharmacok netica in impaired liver function was done in patients with liver cirrhosis (see attachment 14, p. . . .

As expected, the plasma half-life is parlonged. We therefore recommend to as half the usual scae.

According to our opinion so heracotexicity exists and the incidence as well as the extent of clinically relevant liver anywar elevations has to be called low according to general clinical experience attachment 9; attachment 1) and also in direct comparison with control substances during clinical trials (report no. 62, p. 423-424, vel. 54). For this reason, we consider the following wording to be appropriate:

According to the present clinical standard liver toes fic enzyme concentrations and hematological laboratory parameters should be determined in regular intervals, especially in long-term application.

c) 585 fluoxetine patients had at least two eye examinations in the course of clinical trials. The percentage of the observed changes was below the percentage of all control groups, apart form placebo.

No uniform disorder was detected.

The additional investigations from the tudy mentioned above recarding phospholipidates under fluoretime days no evidence of changes which expent to be specifical substance related and/or relevant. On this basis the suggestion proposed by the agency can to our opinion be dispensed with.

34 reports are attacked to our letter They include two analyses of pooled data and the results of 7 studies from Germany, further study results from the U.K. and the U.S.A. which were either carries our since the end of 1994 or which were available since phen.

With the application for registration of March 2, 1984, and the answer to the letter of concerns of Oct. 19, 1984, further study reports as well as numerous analyses of pocled data were submitted.

Enclosed you will find a tabulation of all available elimical reports arranged according to topics and with references to the ind vidual report numbers (attachment 18). An evaluating summary of the clinical/pharmacological investigations is presented in the expert opinion by Dr. Lucas of Cot. 08, 1926 (attachment 3) and of the clinical data in the expert opinion by Prof. Of Aug. 31, 1966 (attachment 3).

Should you still - in spite or the data and expert opinions now presented - have reservations regarding a positive benefit/risk relation of fluoxetine, then we would like to ask you to grant us the opportunity for an oral hearing before a final decision will be made.

Rest regards,

Dr. K. J. Bamberg Manager Medical Administration Dr (Ded ) N. Schwige-Sorce

Encl.: Volumes 30 - 58 (4 copies

#### Translation

Letter to Dr. Schulze-Solce of Dec. 4, 1986 from Prof.

Dos- Dr Cabul-a-Coles

on request of your company, I have harded in an expert opinion on May 20, 1985, referring to your substante fluoretime it is mainly concerned with the problems of adverse events of fluoretime.

Meanwhile you supplied me wish new investigational material which has been produced in the W.S.A. This investigational material which is very clearly documented was carefully examined and reviewed by me and I would like to point out that the questions raised in my expert opinion of May 20, 1985, could be widely cleared by these investigations. Especially the expert opinion by Dr. has convinced me completely also in the final conclusions, also with reference to the chinical significance of the inclusion bodies in the lymphocytes.

According to the investigations now available it is my opinion that there is no cause for concern with regard to sye function, nerves and lymphocytes as well as lung function. The investigation presented stems to have been carried out in an especially diligent and sorrect manner. Here, especially the comparison with the other drugs imipramine and amiodarche appears to be extremely valuable.

Best regards,

(signed)

BVW/BEU/1815

Pz2467 2

077

## Documentation on suicide gestures in clinical trials with fluoxetine (cut off date August 31, 1986)

All suicide gestures reported in fluoxetine trials worldwice have been compiled in this documentation.

For this purpose all events classified as suicide, suicide attempt or drug overdose have been listed for all courtness where floxetime studies had been ongoing during the time coveres by this report.

Advance events occurring in clinical trials are prizers, continuously and filed immediately or their receipt. That is will be suicius pesture for since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale, is a continuously and since castive from still engale and still engale and since castive from still engale and since castive from still engale and still engale and

if terms 2 - E all suicide continues and for suicides and now many that here suicide attendes. All tables into the entry of suicides and now many that here suicide attendes. All tables into the continues of includes place and include the entry listed for fluoretime derive from contract as studies as active drug and place as well as from uncontract as studies as active drug and place as well as from uncontract as studies as active drug and place as well as from uncontract as studies as active drug and place as well as from uncontract as a studies as active drug and place as well as from uncontract as a studies as active drug and place as well as from uncontract as a studies as a contract as a studies are studies as a contract as a studies are studies and a studies are studies are studies and a studies are studies are studies and a studies are studies are studies are studies as a studies are stud

In order to belocless incidence rates the total number of patients treated and time of exposore in patient evers a given for fluoxetine and the control group in all tables. For all ongoing studies which are still blinded one half of the number already encolies has been counted for fluoxetine and the other half for the control group.

Table I shows the total numbers wouldwide for patients and patient years, all suicide destures successful suicides and suicide attempts which result from the data of the simple countries given in table 2 - 8. The incidence rates per patient and for patient years respectively are given for suicide gestures, suicide and suicide attempts securately.

For all suffice distores the time since start of treatment is given in tends 5. Completed on 3 cases for which exact data were not evaluable prior to completed in analysis.

Table 10 identified the patients in A or succeed gestures has been reported. A order surmary of all cases mentioned to given succequently.

If the worldwide numbers are considered the incidence rate is 0.006 (95 f confidence limits: 0.006 - 0.012). This is 1.32 times more than in the control group (p = 0.1427, Fisher's exact test, one tailed). It is 16 times less than in a depressive population. (If according to Pohlmeier, Ref. 50/13, 15 % for the depressives are assumed).

Looking at the different countries the majority of the data has been collected in the USA and Canada. In this group suicide gestures occur 1.16 times less with fluoxetine than in the control group.

In Germany there was only one event reported which occurred on amitriptyline.

In France 17 of 18 suicide gestures had been reported during a 6 months uncontrolled treatment with fluoxetine. The incidence rate is about 10 times nigher compared to US data reflecting a different group of patients and kind of follow up.

Table 9 illustrates that suicide gestures occur at all points in time during the treatment. There is no relation to a specific period and with respect to fluorestine pharmacokinetics there is no task response relationship.

All sufcided gestures included in this compilation are been recorded according to the event system. That means that any deservation whether regarded drug related or not was entered into the system. Consider to the single case summaries it is doubtful to a parients fook at overcose of fluoretime however she had not been or flooretime prior to that so that she had an event on fluoretime but not in the sense of this evaluation. Patients and obsides the demonstrated ho suicides intent. So it these patients are excluded the insidence rate in this group drops from 0.043 to 0.024.

It is unlikely that patients and HCNS and HCNS from the US conritted suicide pestures as well. Also patient MAR was treated after the event for additional I7 months without any difficulty. Further 7 patients could be regarded as not appropriate for inslusion. (See comments given with the respective base summaries.)

dence rates are 0.663 for both Nudagine and control group.

Excluding also the 17 cases from the Prench uncontrolled study and relating to the respective time of exposure 1168 total worldwide patient years - 161.8 = 1006.2 patient years the incidence rate is 0.033.

It is difficult to compare these data of different kind and sources as if obtained from a controlled trial. However no matter if the best or the worst approach is chosens, here is no evidence for an increased risk of suicide gestures by flooreting.

Dr. H. K. Schulze-Solce

For locuret.

Tables 1 - 10 Case summaries

Bad Homburg, December 8, 1986

Table 1: Suicide gestures (Suizidhandlungen)

	Worldwide total	
	Fluoxetine	Other*
		(0)
patient number	6903	2 3319
petient years	1166	952 A
suicide gestures total	62///	15/2
(Suizidhandlungen)		7 ~~
sufcide gestures/pat.	no. /9.066	6, 9065
suicide gestures/pat.	years 8.05	V Lorges
successful suicides	, ,	(1) 3
succ. suic./pat. no.	0.0013	0.0013
succ. suic./pat. yeaks	( o. o. o.	0.0085
suicide attempts	A PA	12
suic. att./pag. no	/ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	0.0052
suic. att. par years	( ) 18-04E	0.034
* Placebo, no drug, co	apa v tor	
	Manded ongoing stop	
(see table 6) ( added	to fluoxetine the retic	: ¿*E.
gestures pat. no.	1.052	
gestures/pat. years	0.055	
If added to other:		
gestures/pat. no.	0.0069	
gestures/pat. years	0.945	*

Table 2: Suicide gestures (Suizidhandlungen)

### USA/Canada

		3)	
	Fluoreting	071.6	~
patient number	:/7/	(0)	V (D>)
patient years	869	725	1/1
suicide gestures total	39	V <sub>10</sub>	
(Sufzidhandlungen)		(5)	
suicide gestures/pat. no.	0.005	0/8064	
suicide gestures/pat. year	0035	( 2) )	
uccessful suiciaes	D. 11	20	
ucc. suic./pat. pa.	0.00003	DE.00054	
ucc. suic./pas. years	0,000	0.0039	
uicide asteopis	185	9	
ic. att./pat. no.	8.0047	0.0058	
uic. att./pat. years	0.03	0.035	
(( )	)		
Flacebo, no drugs compare	tor		
(( ))			

Table 3: Suicide gestures (Suizidhandlungen)

#### Germany

	Fluoxetine	Other*	
		(2)	(D)
patient number	142	(Xis)	11/
patient years	11.7	DATE OF	100
suicide gestures total	0		
(Suizidnandlungen)	105	14	
suicide gestures/pat. no.	29/1	0.90%	
suicide gestures/pat. years	V6 /	2500	
successful suicides	(0)		
succ. suic./pet. no.	2) o (	(1)	
succ. suic./pat. years	1000	N/	
suicide attempts	(1)	> i	
uic. att. pst no.	110	0.007€	
suic. att./pet years /	7/1	0.09	
	1		
	1)		
· Flacebo, no drug, compara	9		
(( )			
	*		

Table 4: Suicide gestures (Suizidhandlunger)

	UK, Basingsi	toke		^
	Fluoxetine	51/10	F	
patient number	206		100	3
patient years	16.7	1347	1/ 1	
suicide gestures total (Suizidhandlungen)	20.043		5	
suicide gestures/pat. no. suicide gestures/pat. years	0.643			
successful suicides succ. suic:/pat.po. succ. suic./pat.years		0.0044		
suicide attempts	(18)	2		
suic. att./pab_no.	₹ dx3	0.0088		
suic. att./pat. years	0.54	0.107		
* Placebo, no apoy, compara	tor			

Table 5: Suicide gestures (Suizidhandlungen)

	Fluoxetine	2 (96)	B
stient number	. 365	2) 106	1/2
atient years	45/5	102	~
uicide gestures total	(D-V)	al v	
Suizidhandlungen)		V/L	
uicide gestures/pat. nc.	8.014	0.009	
uicide gestures/pat. ye	V 11	0.10	
uccessful suicides	), (E	)) = 1	
ucc. suic./pat/po/	0085	0.009	
ucc. suic./pat. Vears/	1800	0.10	
uicide atsempts		0	
uic. att./pat\no.	0.008	0	
ic. att. pal. years	0.07	ů	
((	110		
	))		
Fiscebo, no grog, compo	arator		

Table 6: Suicide gestures (Suizidhandlungen)

	France	2	^		
	Fluoxetine	Other*	) (	62	
patient number	451	2 55	120	1	
patient years	201.6	149		,	
uicide gestures total Suizidhandlungen)	100	, E	7		
uicide gestures/pat. no. uicide gestures/pat. yes	0.04		>		
uccessful suicides.	2 0.004				
ucc. suic./pat. reprs	22/	20			
uicide attemps	1/20	0			
uic. att./pat. years	80.0	0			
	))				
Placebo, no drag, compar	ator				

Table 7: Suicide gestures (Suizidhandlungen)

		(0)	<b>\</b>	
1	Fluoxetine	200	2	(D>)
atient number	16 /	(2)	1/	1
atient years	166/	1	600	~
uicide gestures total	(O)	7	N	
Suizidhandlungen)	1	0/2	~	
uicide gestures/pat. no	8.06	110	0	
uicide gestures/pat. ye	0.6		0	
uccessful suicides	→ 1 <	))	0	
ucc. suic./pat./pb.	1 200	<b>Y</b> /	0	
icc. suic./pat. reafs/	196	>	0	
ifcide attemps	1/2		0	
ic. att./pat no.	(2)0	*	0	
vic. att./pat. years	11.		0	
_((	))			
Flacebo, no grung, comp	rator		*	

Table 8: Suicide gestures (Suizidhandlungen)

patient number
patient years

suicide gestures total
(Suizidhandlungen)
/ pat. no.
/ pat. years

\* Placebo, no drug companyor

1 attempt in finland in an embung study, which still is blinded.

Table 9: Occurence of events in time

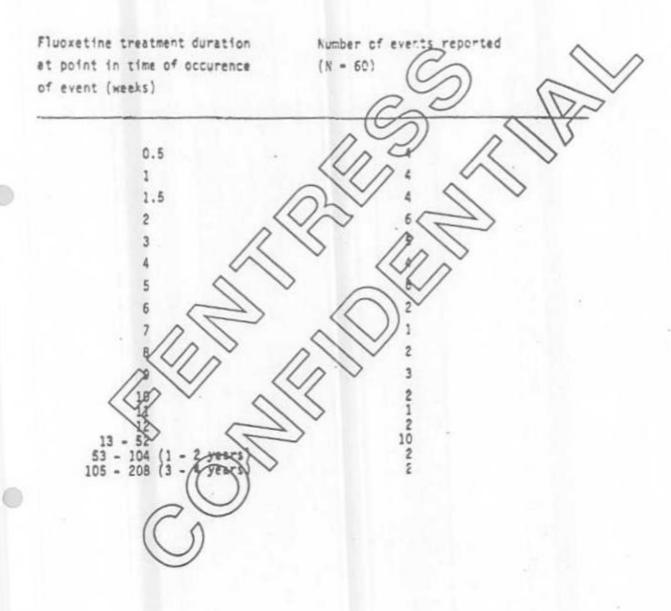
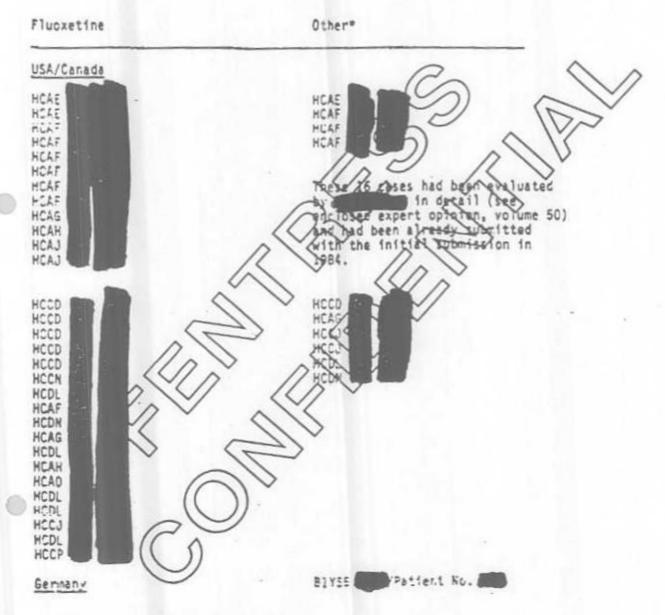
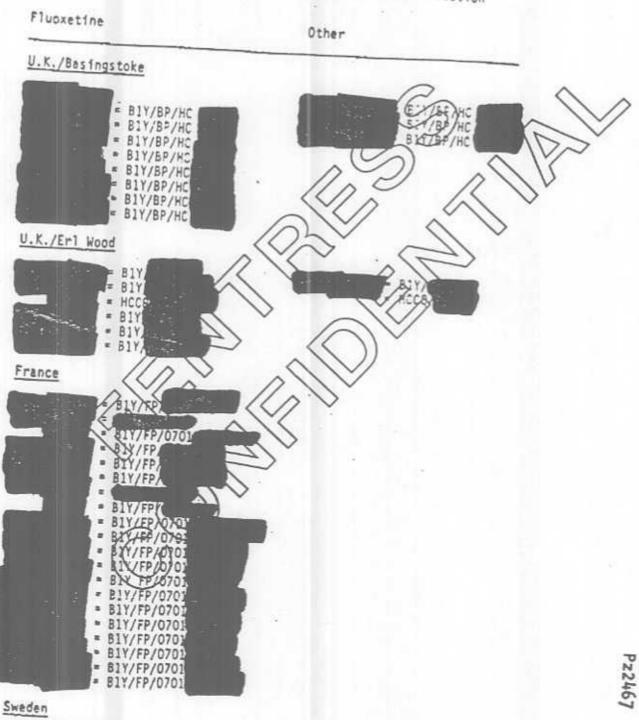


Table 10: Suicide gestures/patient identification



<sup>\*</sup> flacebo, no drug, comparator

Table 10 (continued): Suicide gestures/patient identification



Project Bly SB

Fluoxetine vs. Amitriptyline, In-Fatient Study

Patient No.

Case Summary (unblinded, Amitriptyline)

A 64 years old female patient suffering from enc (ICD 296.1) of retarded subtyse was envoiled on unitable 1... the study. On entry, her total handton score was 20 out of 17 items. Suicidality was rated 4. On 08/04/95, she took two easules b.i.d. of study medication according to protocol. In the evening of the same day, she scratched has wrists and her perk. The surface wounds were treated by a surgeon. After being back in the psychiatric department, she tried to strangle herself with a stooking in the same night at 1.00 a.m. of the following day the was given benzodiazepines parafterally Study was discontinued.

This case was unblinded by hity personnel, however, not reported on FD 1639 when it revealed that the comparator was involved. The investigator is still by noted in this case.

GP. No.: Bly-BP-HC21, Patient

DES/DEN No. 1

Study.

This 63 year old male casocising antered the study on 18.10.84 with an initial Hamilton score of No. Having been given his study medication the patient was discharged home, only to be found does at home a few days later. His medication pack was entouched so be fact now taken any study drug. The commen's report supposted that she cause to death was a overfoce of approximately 20 tablets of Chlorechiasote in conjunction with alcohol.

## COMPARATOR DRUG OVERDOSE

GPT No.: Bly-BP-HC24, Patient

THE ODE Roll

Study.

This 24 year old female assaultich an initial Haritum score of 22, was admitted to the study on 16,3.86. She continued in the study for 3h weeks at which point she took an overdose of 16 x mm Manserin. At this point her Hamilton score had reduced to 25. She was not considered to be suicidal and in Yahr, continued to the end of the study when her Hamilton score was spill 29.

# COMPARATOR DRUG SUICIDE

GPT No.: BlY-BP-HC26, Patient

DES /DEI No. :



Study.

This 58 year old male causasian with an initial Empire Accre of 24, was admitted on 17.4.86. More 3 weeks in the trudy the patient was found to have comitted suicide and cost morten executaryion revealed that he had died of an overdose of Amitriptyline.

GPT No.: Bly-BP-HC32, Patient

DES/DE: No::



(GF) Study.

This 39 year old male causes an with an initial Vanitan score of 33, was admitted to the study of 2,4.86. He progressed through the study for 5 weeks at which point he took an overdose of 20 x 20 mg capsules of Flucketine. He was observed in hospital but recovered spontaneously. He was clearly still depressed at the ext of the study with a Hamilton score of 29 but it is not clear whether he had true suicidal intent.

GPT No.: Bly-BF-HC24, Patient

DES/DE: No:

Study.

This 20 years old male cauche in with an initial stampton score of 26, was admitted on 10.7.86 and progressed with the study tox 3 weeks. At that point his Hamilton score had, in fact, increased to 31. Prior to his next visit he took an overdose of 16 x 20 mg capsales of Flucketine which was believed to be a serious suicide attempt. He suffered no adverse experience as a result of his overdose.

GPT No.: Bly-BP-HC24, Patient

INJ/DEN NOUT

Study.

scripted to the star on 11.9.85 with This 21 year old male caucas as has a Hamilton score on addispion of \$2 (17 items). the end of his second week in the study, his flax ston score had increased to 35 but he admitted to not having taken to proper Mey. He was parsuaded to the splicking week he took an stay in the study but This was seen as a serious parent adverse evenus from his

overdoss

GPT No.: BlY-BP-HC23, Patient

DES/DEN No.:

Mgariatric) Study.

This 71 year old female caucasi stydy on 6.11.84 with an initial Hamilton poor the returned for her first follow-up visite Mad discouraged her from taking any trie medical sitsequently more Werdose of Temazepan and depressed to the poli possibly some

#### FLUOXETINE STUDY

GPT No.: Bly-EP-HC26, Patient

DEF/DET No.1

study.

This 61 year old female parcasian was admitted to the study on 14.1.86 with a Remilton score of 27. She continued through the study for 3 weeks, at which point she took at overfice of Temmanax and was admitted to hospital though she suffered we advance events. It was subsequently found that she had not complied with the proper a summer of Flucketine because her medication pack contained many open depands than should have been present. Her type Namilton score was 34.

GPT No.: Biy-RP-HC26, Patient

DES,'SET NO. 1

B Etudy.

This 41 year old male caucastan with an initial Hamilton score of 28, was admitted to the study on 74.85. After 4 weeks in the study his Hamilton score had increased to 20 and he sook at 10 mg Temazepam and 4 x 50 mg Temazepam. This was not regarded to serious suicidal intent but he was, in fact, removed from the study at the pext visit because of lack of efficacy.

Pz2467

6/ 25

DES /DEN No. 1

Previously tudy.

This 23 year old female recient wak part in a Elumentine trial in 1984 (B1Y-BP-HC50) and her participation in the saidy bed finished during that year. She was however amitted to hospital on 7.6.86 having taken 50 x 20 mg capsuler of Flucketine which she apparently stored for 2 years. It is difficult to know whether there was any suicidal intent because she dismarded hersels from to point the following day having apparently recovered fully.

GPT No.: BIY-BP-HC22, Patient

DEE DE: No.1

Study.

This 47 year old patient was an itted to the study on 22.8.84 with an inital Mamilton score of N. When he returned at the end of 3 weeks of treatment he reported that he had take: 8 capsules of Fluoretine on one day and 6 capsules on another day of the previous week, without any suicidal intent or exerse experiences. At his next visit he was recorded as having taken again, 8 capsules on one day of the previous week which apparent? Course him to develop the itemy rash. There was no apparent muicidal intent from this exercise.

#### PLUCKETINE OVEROOSE

GPT No.: Bly-BP-HC22, Patient

DLE/DE: No.:

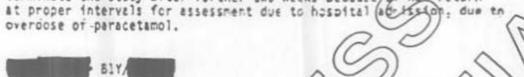
Calego.

milton score of 27 was This 19 year old famale palca admitted to the study on progress during the 6 week trial and her Shal Have Dever, one week before terminating the study Lorangem. She delited any suicidal sheets and was discharged from the



#### Case Summary

A 37 years old male outpatient had received 40 mg of fluoxetine for two weeks when he took an overdose of paracetamol and was admitted to hospital. He recovered uneventful. It was felt to terminate the study after further two weeks because of non-return at proper intervals for assessment due to hospital activities, due to overdose of paracetamol.



#### Case Summary

A 26 years old female had received studyetine for four months when she took 3000 mg of fluoxetine and 4400 mg of aspirine. Two grand mal fits, lasting 3 and 2 minutes respectively occorred. Eventually the patient recovered fully.

It was documented on previous wisits by the investigator that the patient was extremely anxious about possible side effects because she had a friend who had had side effects on zimilebine and that she "chopped" and changed medication on her own accord.

# - 61t - 61t

#### Case Summary

A 20 years old female outpatient took a multiple drug overdose (? 480 mg fluoxetine, 500 mg paracetamol. Ing tiriton ?) after 3 weeks on fluoxetine. Restlessness, apitation and techynamics of 110/min were recorded on hospital admission 1 hour after overdose. She recovered uneventful. Fluoxetine was restarted after 3 days and stody was terminated 10 days later according to protocol.

This was a 3d-year-old male who committed suicide after he had been treated with 60 mg/day of fluoretine for nine souths. Apparently, he took an overdose of Clobszam, anitriptyline and pentagorini. Containers for these drugs were found near the body. No fluoretine containers were found. The patient could not have taken more than 480 mg of fluoretine unless he failed to comply with prescribed therapy and was hoarding drug. It was estimated that the patient died four days before the body was found, thus it was not possible to determine levels of drugs. A FD1639 was filed, Mfr. Control No. 84080619A.

Patient (81Y-This was a 67-year-old male who committed suicide by hanging after having taken 40 mg/day of fluoxetine for five days in the UL fluoxetine vs. amitriptyline adult depression dose randing study. A FD1535 was filed, Mir. Control No. 85020605A.

France

24 185

Fluorettie was statted on furnist 29th At. Pollent was receiving 60 mg on follow-up visit it september 11th of.

Tolerance will year good but any jety was severe and the next day she

two noises efter orug intoke, the physician observed: "came vigil", tetunised aspect, impassible to test reflexes, nystogras of both eyes. Potlent was inspitalised, forced urinary output was instituted and putient wake up 6 hours after any intoke.

Decouse puttent with the snow any of the expected symptoms for fluoretine overthee such as furtiley and noused, on recovery word physicians were wondering wether puttery did indeed take an overdisc of tal. Presenting clinical condition could also be interpreted as a consuration hysterical emission. However all the remaining consules were missing from the battle gives the day helper (i.e. 17 consules).

Fluoratine was continued until a second intentions' overeste accurred on decomber 84.

Folicit was haspitalized. She confessed several months later that she had taken only a few chlorosepate tablets but no "green capsules" (fluoxetine).

Femule 37 years old. Good Improvement with flunxetine ofter eight weeks of treatment. Because of her husband's alcoholler relapse she cannillud suicide by ingestion of borbiturate and she died.

Maio 35 years old. Follett slowly improved to thought the treatment.

No side effect. During the 4th month of tenethers, pottent too follow tionally 20 fluoretime consules effer a otherwhite episode with been and whisty. A light excitation was relied. The retire was not disportinged,

Femolo 35 years old. Polish incrowed by fluoretime but agressivity and hypocoxiline commits include became of problems with per historia and her children. She wanted to be hospitalized adain to solve view problems.

At that time fluored his was not discontinued but not this policit is

Futula Styleges old,
Well Merchael suring the index episod.
Outly Am: Nost month in the prophyloc
she experienced again surcide incugits in the prophytoctic phase (Huesetine or plocebo) proughts one tried to commit suicide by

Condition of the state of the s

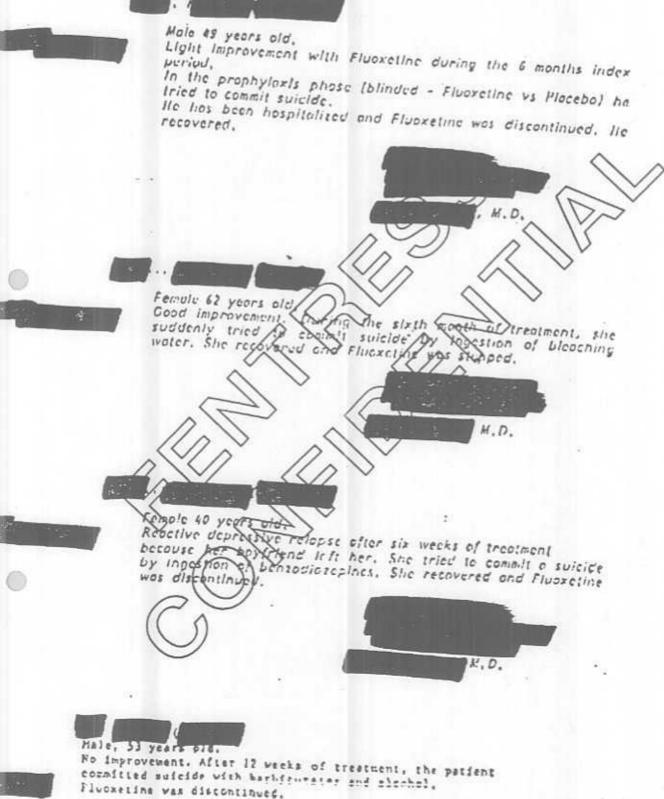
effect six works of treatment in this prose to injustion of its employed of teresopera Fluoretine set o secretinges.

(83 66 85 00

fumile - 37 years old. During the second week of treatment, this petient tried to commit sulcide by ingestion of claratopole, account and fluoretine because of a sporrel with a neighbour.

She was haspitalized one night in an intensive care unit. She recovered. fluoxetine was that discontinued.

At the 6th result, of terothers, she tried again to commit suicide because the matters and her husband one her children : ingostion of fluoreting + clarate vic Sta ----



z2467 258

. D.

insumity and nervousness developed after 24 hours of therapy and insumits within the next two days. On day 9 of therapy, fluoretine requiring patient hospitalization, Physician thinks suicide attempt may be due to increased anxiety in relation with fluoretine therapy.

After & weeks of treatment prijent was every the esotions and commit suicide by machine of several drugs back he tries to

Pocular of sentimental problems and professionnal professi

but intentioner everdose, patient tota 500 mg fluoretine plus benandiatepine and possibly phenobarbital. Fatient had stage ly ones and recovery was rapid

K.D

Pz2467

667

Famile - 33 years old. Hystericer personality.

Although sin was very well improved on the copressive point of view, sin still had sentimental problems and she tried to comit suicide.

She recovered. Fluoretine was discontinued.

Fatient has depressive episons of write annual depressive was the day of his following which conducts to his facility with the his hardy pressive are the services and fortunal for the services and contact before the services and fortunal for the service that the services will be serviced to all his top hereby his contact before the scheduler will. But the his top hereby his contact before the scheduler will. But the his top hereby his contact before the scheduler will. But the his top hereby his contact before the scheduler will. But the his factor was in several times.

M.D.

M.D.

Pz2467

260

Patient
This was a bl-year-old male who was enrolled in a fluoxeting study in Sweden. We committed suicide by hanging efter re not been to fill of fluoxetine for 10 days. A FD1825 tiles, Mfr. Control No. 450900836.



rz2467 21