'Parity Plus' Urged for Mental Health Benefits

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ometimes, being equal is just not enough—at least, that's what the Progressive Policy Institute says.

A new paper from the institute, a liberal Washington think tank, suggests that rather than aiming for simple dollar-fordollar parity with physical health benefits, advocates for mental health care parity should insist that mental health providers

be held accountable for delivering highquality, cost-effective services.

Some people in the business community are intrigued by this idea, noted David Kendall, senior fellow for health policy at the institute. "Employers see themselves as leaders in the outcomes disclosure field, and their argument has been all along that parity shouldn't mean unlimited entitlement to [mental health] services," he said. "So if we can find ways to discipline the demand side with outcomes [data], that may

help break the deadlock on parity.'

One reason the Progressive Policy Institute (PPI) published the paper is that President Bush has "dropped the ball" on reforming the mental health system, even though he himself called for such reforms about four years ago, Mr. Kendall said. "PPI looks for opportunities where progressive leaders can pursue reform.'

In the report, PPI notes that enhanced parity "would bring together a wave of cutting-edge reforms—some proposed,

some already proven—that aim to promote effective treatments and tangible results, often reinforced by pay-for-performance or other incentives.

One example would be Assertive Community Treatment (ACT), in which mobile interdisciplinary teams give 24-hour assistance to hard-to-reach mentally ill patients. "When states fail to adopt such practices, the cost of preventable hospitalization soars," the report noted. What's worse, it continued, "Medicaid continues to waste money on ineffective programs such as dreary, hospital-style 'day treatment' that critics say are often just another version of the old state hospital wards, complete with cigarette breaks and televisions.

Parity legislation should also "require the disclosure of performance results, not just reimbursement for any service provided," the report said. "Without some form of accountability, mental health parity risks turning into a blank check for mediocre treatment-as-usual. Parity legislation should include a requirement to use at least some of the measurements that have been developed by the Substance Abuse and Mental Health Services Administration," such as its Mental Health Consumer-Oriented Report Card.

Rep. Patrick Kennedy (D-R.I.), chief sponsor of a parity bill in the House of Representatives, said that although accountable mental health care is a laudable goal, Parity Plus is not the way to go about achieving it. "If we are to ever rid the prejudice associated with this country's mental health policy, we cannot at the same time require some kind of higher standard of accountability for mental health care," he said at a PPI forum on Parity Plus. "Holding mental health to a higher standard in order to get the same coverage just perpetuates the stigma."

Nicholas Meyers, director of government relations at the American Psychiatric Association in Arlington, Va., agreed. "We appreciate the interest of PPI in the parity issue, but framing and conditioning approval of parity on a range of performance initiatives is both a very dubious political strategy and perpetuates the stigma," he said. "It's an assumption at the get-go that the only way mental health parity should be approved is if strict performance measures are imposed."

Furthermore, performance measures are still in the early stages of development, especially in the area of "pay-for-performance" programs, Mr. Meyers continued. For example, he said,"There are a whole host of technical issues: Who owns the information that's being reported? Who has access to it? What protections are provided for confidentiality? How and by whom are measures developed and validated?"

Despite this opposition, PPI's Mr. Kendall thinks that there is one other way a Parity Plus proposal helps to advance the mental health care debate: It puts some of the onus for improvement squarely on the managed care plans. "If you have accountability measures, that's another way to hold managed care plans accountable for delivering quality care," he said. "It's a tool slowly but surely consumer and provider groups are coming around to."



Brief Summary of Prescribing Information.

For complete details, please see full Prescribing Information for Namenda.

INDICATIONS AND USAGE

Namenda (memantine hydrochloride) is indicated for the treatment of moderate to severe dementia of the Alzheimer's type.

CONTRAINDICATIONS
Namenda (memantine hydrochloride) is contraindicated in patients with hypersensitivity to memantine hydrochloride or to any excipients

Neurological Conditions Seizures: Namenda has

natic Impairment menda undergoes partial hepatic metabolism, with about 48% of ninistered dose excreted in urine as unchanged drug or as the sum of ent drug and the N-glucuronide conjugate (74%). The pharmacokinetics memantine in patients with hepatic impairment have not been estigated, but would be expected to be only modestly affected.

No dosage adjustment is needed in patients with mild or moderate renal impairment. A dosage reduction is recommended in patients with severe renal impairment.

Drug-Drug Interactions
N-methyl-D-asparate (NMDA) antagonists: The combined use of
Namenda with other NMDA antagonists (amantadine, ketamine, and
dextromethorphan) has not been systematically evaluated and such use should be approached with caution

should be approached with caution.

Effects of Namenda on substrates of microsomal enzymes: In vitro studies conducted with marker substrates of CYP450 enzymes (CYP1A2, -2A6, -2C9, -2D6, -2E1, -3A4) showed minimal inhibition of these enzymes by memantine. In addition, in vitro studies indicate that at concentrations exceeding those associated with efficacy, memantine does not induce the cytochrome P450 isoenzymes CYP1A2, CYP2C9, CYP2E1, and CYP3A4/5. No pharmacokinetic interactions with drugs metabolized by these enzymes are exoected. Effects of inhibitors and/or substrates of microsomal enzymes on Namenda

Memantine is predominantly renally eliminated, and drugs that are substrates and/or inhibitors of the CYP450 system are not expected to

substrates and/or inhibitors of the CTT+GU System and find supported after the metabolism of memantine.

Acetylcholinesterase (ACINE) inhibitors: Coadministration of Namenda with the AChE inhibitor donepezil HCI did not affect the pharmacokinetics of either compound. In a 24-week controlled clinical study in patients with moderate to severe Alzheimer's disease, the adverse event profile observed with a combination of memantine and donepezil was similar to that of

donepezil alone. Drugs eliminated via renal mechanisms: Because memantine is eliminated in part by tubular secretion, coadministration of drugs that use the same renal cationic system, including hydrochlorothiazide (HCTZ), triamterene (TA), metformin, cimetidine, ranitidine, quinidine, and nicotine, could potentially result in altered plasma levels of both agents. However, coadministration of Namenda and HCTZ/TA did not affect the bioavailability of either memantine or TA, and the bioavailability of HCTZ decreased by 20%. In addition, coadministration of memantine with the antihyperglycemic drug Glucovance® (glyburide and metformin HCI) did not affect the pharmacokinetics of memantine the serum diucse lowerine and glyton effect. ermore, memantine did not modify the serum glucose lowering effect

of Glucovance*. Drugs that make the urine alkaline: The clearance of memantine was reduced by about 80% under alkaline urine conditions at pH 8. Therefore, alterations of urine pH towards the alkaline condition may lead to an accumulation of the drug with a possible increase in adverse effects. Urine pH is altered by diet, drugs (e.g. carbonic anhydrase inhibitors, sodium bicarbonate) and clinical state of the patient (e.g. renal tubular acidosis or severe infections of the urinary tract). Hence, memantine should be used with caution under these conditions.

Carcinogenesis, Mutagenesis and Impairment of Fertility
There was no evidence of carcinogenicity in a 113-week oral study in
mice at doses up to 40 mg/kg/day (10 times the maximum recommended
human dose [MRHID] on a mg/m² basis). There was also no evidence of

numan dose [MRHU] on a mg/m² basis]. Inere was also no evidence or carcinogenicity in rats orally dosed at up to 40 mg/kg/day for 71 weeks followed by 20 mg/kg/day (20 and 10 times the MRHD on a mg/m² basis, respectively) through 128 weeks. Memantine produced no evidence of genotoxic potential when evaluated in the *in vitro S. typhimurium* or *E. coli* reverse mutation assay, an *in vitro* chromosomal aberration test in human lymphocytes, an *in vivo* cytogenetics assay for chromosome damage in rats, and the *in vivo* mouse micronucleus assay. The results were equivocal in an *in vitro* gene mutation assay using Chinese harster V79 cells?

Chilliese Hallistel V79 cells. No impairment of fertility or reproductive performance was seen in rats administered up to 18 mg/kg/day (9 times the MRHD on a mg/m² basis) orally from 14 days prior to mating through gestation and lactation in females, or for 60 days prior to mating in males.

rregnancyPregnancy Category B: Memantine given orally to pregnant rats and pregnar rabbits during the period of organogenesis was not teratogenic up to th highest doses tested (18 mg/kg/day in rats and 30 mg/kg/day in rabbits which are 9 and 30 times, respectively, the maximum recommende human dose [MRHD] on a mg/m² basis).

Slight maternal toxicity, decreased pup weights and an increased incidence of non-ossified cervical vertebrae were seen at an oral dose of 18 mg/kg/day in a study in which rats were given oral memantine beginning pre-mating and continuing through the postpartum period. Slight maternal toxicity and decreased pup weights were also seen at this dose in a study in which rats were treated from day 15 of gestation through the postpartum period. The no-effect dose for these effects was 6 mg/kg, which is 3 times the MBHD on a mg/m² basis.

is 3 times the MRHO on a mg/m² basis.

There are no adequate and well-controlled studies of memantine in pregnant women. Memantine should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Nursing Mothers
It is not known whether memantine is excreted in human breast milk.
Because many drugs are excreted in human milk, caution should be exercised when memantine is administered to a nursing mother.

ADVERSE REACTIONS
The experience described in this section derives from studies in patients

with Authermer's disease and vascular demention: In placebo-controlled trials in which dementia patients received doses of Namenda up to 20 mg/day, the likelihood of discontinuation because of an adverse event was the same in the Namenda group as in the placebo group. No individual adverse event was associated with the discontinuation of treatment in 1% or more of Namenda-treated patients and at a rate greater than placebo.

Adverse Events Reported in Controlled Trials: The reported adverse events in Namenda (memantine hydrochloride) trials reflect experience gained under closely monitored conditions in a highly selected patient population. In actual practice or in other clinical trials, these frequency population: In actual practice or in other clinical trials, uses requeries, estimates may not apply, as the conditions of use, reporting behavior and the types of patients treated may differ. Table 1 lists treatment-emergent signs and symptoms that were reported in at least 2% of patients in placebo-controlled dementia trials and for which the rate of occurrence was greater for patients treated with Namenda than for those treated with placebo. No adverse event occurred at a frequency of at least 5% and

Table 1: Adverse Events Reported in Controlled Clinical Trials in at Least 2% of Patients Receiving Namenda and at a Higher Frequency than

Body System Adverse Event	Placebo (N = 922) %	Namenda (N = 940) %
Body as a Whole		
Fatigue	1	2
Pain	1	3
Cardiovascular System		
Hypertension	2	4
Central and Peripheral Nervous System		
Dizziness	5	7
Headache	3	6
Gastrointestinal System		
Constipation	3	5
Vomiting	2	3
Musculoskeletal System		
Back pain	2	3
Psychiatric Disorders		
Confusion	5	6
Somnolence	2	3
Hallucination	2	3
Respiratory System		
Coughing	3	4
Dyspnea	1	2

Other adverse events occurring with an incidence of at least 2% in Namenda-treated patients but at a greater or equal rate on placebo were agitation, fall, inflicted injury, urinary incontinence, diarrhea, bronchitis insomnia, urinary tract infection, influenza-like symptoms, abnormal gait insomnia, urinary tract infection, influenza-like symptoms, abnormal depression, upper respiratory tract infection, anxiety, peripheral ed nausea, anorexia, and arthralgia.

The overall profile of adverse events and the incidence rates for individual adverse events in the subpopulation of patients with moderate to severe Alzheimer's disease were not different from the profile and incidence rates described above for the overall dementia population

Vital Sign Changes: Namenda and placebo groups were compared with respect to (1) mean change from baseline in vital signs (pulse, systolic blood pressure, diastolic blood pressure, and weight) and (2) the incidence brood pressure, discount cloud pressure, and weight and 22 he includence of patients meeting criteria for potentially clinically significant changes from baseline in these variables. There were no clinically important changes in vital signs in patients treated with Namenda. A comparison of supine and standing vital sign measures for Namenda and placebo in elderly normal subjects indicated that Namenda treatment is not associated with orthostatic changes.

with ornostatic changes.

Laboratory Changes: Namenda and placebo groups were compared with respect to (1) mean change from baseline in various serum chemistry, hematology, and urinalysis variables and (2) the incidence of patients meeting criteria for potentially clinically significant changes from baseline in these variables. These analyses revealed no clinically important changes in laboratory test parameters associated with Namenda treatment.

ECG Changes: Namenda and placebo groups were compared with respect to (1) mean change from baseline in various ECG parameters and (2) the incidence of patients meeting criteria for potentially clinically significant changes from baseline in these variables. These analyses evealed no clinically important changes in ECG parameters associated with Namenda treatment.

Other Adverse Events Observed During Clinical Trials

Namenda has been administered to approximately 1350 patients with dementia, of whom more than 1200 received the maximum recommended dose of 20 mg/day. Patients received Namenda treatment for periods of up to 884 days, with 862 patients receiving at least 24 weeks of treatment and 387 patients receiving 48 weeks or more of treatment.

Treatment emergent signs and symptoms that occurred during 8 controlled clinical trials and 4 open-label trials were recorded as adverse events by the clinical investigators using terminology of their own choosing. To provide an overall estimate of the proportion of individuals having similar types of events, the events were grouped into a smaller number of standardized categories using WHO terminology, and event frequencies were calculated across all studies.

across all studies. All adverse events occurring in at least two patients are included, except for those already listed in Table 1, WH0 terms too general to be informative, minor symptoms or events unlikely to be drug-caused, e.g., because they are common in the study population. Events are classified by body system and listed using the following definitions: frequent adverse events - those occurring in 1/100 patients; infrequent adverse events are not necessarily related to Namenda treatment and in most cases were observed at a similar frequency in placebo-treated patients in the controlled studies.

Body as a Whole: Frequent: syncope. Infrequent: hypothermia, allergic

Cardiovascular System: Frequent: cardiac failure. Infrequent: angina pectoris, bradycardia, myocardial infarction, thrombophlebitis, atrial fibrillation, hypotension, cardiac arrest, postural hypotension, pulmonary embolism, pulmonary edema.

Central and Peripheral Nervous System: Frequent: transient ischemic attack, cerebrovascular accident, vertigo, ataxia, hypokinesia. Infrequent paresthesia, convulsions, extrapyramidal disorder, hypertonia, tremor aphasia, hypoesthesia, abnormal coordination, hemiplegia, hyperkinesia involuntary muscle contractions, stupor, cerebral hemorrhage, neuralgia

Gastrointestinal System: Infrequent: gastroenteritis, diverticulitis orrhage, melena, esophageal ulceration

nic and Lymphatic Disorders: Frequent: anemia. Infrequent: leukopenia

Skin and Appendages: Frequent: rash. Infrequent: skin ulceration, pruritus, cellulitis, eczema, dermatitis, erythematous rash, alopecia, urticaria.

Special Senses: Frequent: cataract, conjunctivitis. Infrequent: macula Litea degeneration, decreased visual acuity, decreased hearing, tinnitus, blepharitis, blurred vision, corneal opacity, glaucoma, conjunctival hemorrhage, eye pain, retinal hemorrhage, xerophthalmia, diplopia, abnormal lacrimation, myopia, retinal detachment.

Urinary System: Frequent: frequent micturition. Infrequent: dysuria, hematuria, urinary retention.

Events Reported Subsequent to the Marketing of Namenda, both US

and Ex-US

Although no causal relationship to memantine treatment has been found, the following adverse events have been reported to be temporally associated with memantine treatment and are not described elsewhere in labeling; atrioventricular block, bone fracture, carpal tunnel syndrome, cerebral infarction, chest pain, claudication, colitis, dyskinesia, dysphagia, cerebra intarction, chest pain, claudication, collist, dyskinėsia, dysphagia, gastritis, gastroesophagea ireflux, grand mal convulsions, intracranial hemorrhage, hepatic failure, hyperlipidemia, hypoglycemia, ileus, impotence, malaise, neuroleptic malignant syndrome, acute pancreatitis, aspiration pneumonia, acute renal failure, prolonged QT interval, restlessness, Stevens-Johnson syndrome, sudden death, supraventricular tachycardia, tachycardia, tardive dyskinesia, and thrombocytopenia.

ANIMAL TOXICOLOGY

multipolar and pyramidal cells in cortical layers III and IV of the posterior cingulate and retrosplenial neocortices in rats, similar to those which are congulate and redusphenial neocorrices in rats, similar to those which are known to occur in rodents administered other NMDA receptor antagonists. Lesions were seen after a single dose of memantine. In a study in which rats were given daily oral doses of memantine for 14 days, the no-effect dose for neuronal necrosis was 6 times the maximum recommended human dose on a mg/m² basis. The potential for induction of central neuronal vacuolation and necrosis by NMDA receptor antagonists in humans

Physical and Psychological Dependence: Memantine HCl is a low to moderate affinity uncompetitive NMDA antagonist that did not produce Physical and repunded.—

MDDA antagonist that did not produce any evidence of drug-seeking behavior or withdrawal symptoms upon discontinuation in 2,504 patients who participated in clinical trials at therapeutic doses. Post marketing data, outside the U.S., retrospectively collected, has provided no evidence of drug abuse or dependence.

evolving, it is advisable to contact a poison control center to determine the evolving, it is advisable to contact a poison control center to determine the latest recommendations for the management of an overdose of any drug. As in any cases of overdose, general supportive measures should be utilized, and treatment should be symptomatic. Elimination of memantine can be enhanced by acidification of urine. In a documented case of an overdosage with up to 400 mg of memantine, the patient experienced restlessness, psychosis, visual hallucinations, somnolence, stupor and loss of consciousness. The patient recovered without permanent sequelae.

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