

Brain injuries have hidden, delayed effects

Physicians and researchers from around the world are calling for a five-year study of mild brain injuries. They're seeking to understand the long-term effects and treat patients.

More than 230 experts gathered at the University of Michigan Medical Center to swap ideas on diagnosing and treating the nation's 1.5 million people hospitalized each year for mild and moderate brain injuries.

"What are the hidden effects of mild head injury? . . . The issues are much too unclear," said Dr. Thomas W. Langfitt, professor of neurosurgery and former vice president for health affairs at the University of Pennsylvania.

"We haven't resolved the questions. There's still a tremendous amount of work to be done," he told the gathering in Ann Arbor.

THEIR RESEARCH has shown:

- Mild and moderate brain injuries account for 90 percent of all brain injuries.
- Incidence of brain injury in males is double that of females.
- 50 percent of brain injury victims are between 15 and 34 years of age.
- 50 percent of mild and moderate brain injuries are tied to motor vehicles.
- Weekends have the highest number of brain injuries.
- People with concussions and other forms of mild brain injury have significant cognitive and behavioral problems months after impact. Delayed return to work, a loss of concentration, headaches, dizziness and other problems often surface after the injury, yet seldom are tied to the injury.

Initial diagnosis of mild and moderate brain injuries can be difficult, and even with accurate diagnosis, later problems often are not recognized.

Wayne Alves, director of research in the Department of Neurosurgery at the University of Pennsylvania, said, "Anything can happen after a mild head injury, and everything that can happen, does . . . but an early and aggressive effort can get people back into their routine."

The symposium was jointly sponsored by the University of Michigan and General Motors Corp. GM co-sponsored the effort as part of its ongoing research efforts to improve automobile safety.

DR. JULIAN T. HOFF, chief of neurosurgery at the U-M Medical Center and one of the symposium organizers, said workshops will take place during the next five years to help better understand the problem of mild and moderate brain injuries.

Dr. George Zuidema, vice provost

for medical affairs at U-M, said the problem is substantial. "This trauma and its consequences affect our society to a degree that far outstrips the AIDS epidemic, yet support for trauma research, from all sources, accounts for only a small percentage of resources assigned to that one disease — important as that may be," he said.

Children recover more quickly and completely from all but the most severe head injuries, according to Mark Ylvisaker, program director of the Rehabilitation Center of New York.

MORE THAN 200,000 children in the United States are hospitalized each year with mild and moderate brain injuries.

Of them, 15,000 need prolonged hospitalization, and 4,000 die each year from craniofacial trauma, Ylvisaker said.

Falls account for 43 percent of all mild and moderate head injuries in children, followed by motor vehicles,

bike accidents and sport activities.

Mild head injuries in children result in impaired attention, impaired new learning, impaired language manipulation, a reduced tolerance for stress and impulsiveness, irritability, withdrawal and apathy, Ylvisaker said. But injured children, on the whole, do not experience marked failure in school.

J. DOUGLAS MILLER of the Department of Clinical Neurosciences at the University of Edinburgh in Scotland studied more than 2,000 elderly patients with mild and moderate head injuries.

Some of his findings contradicted conventional findings that more women than men suffer head injuries among the elderly, and that the highest incidence of head injuries happen on Thursday — the day pension checks are issued in Edinburgh, he said.

Manuscripts from the symposium will be assembled and a book will be published late next year.

Senate passes curb on city tax

AP — A bill that would allow non-residents to vote on imposing or increasing a city income tax has cleared the Michigan Senate, but there is no sign the Michigan House is inclined to accept it.

Sponsored by Sen. Gilbert DiNello, D-East Detroit, the bill passed on a 22-8 vote without debate and now goes to the House.

However, the Republican-controlled Senate has passed such legislation in the past, and it has died in the Democrat-controlled House.

Cities currently can impose or increase taxes on non-residents who work there without extending them the right to vote. DiNello and others argue that is taxation without representation.

However, opponents of such legislation contend non-residents would usually oppose tax boosts, thus hindering cities from undertaking needed projects. And they say it would be administratively difficult to include non-residents in a local tax vote.

sion that would have permitted non-residents to vote.

The bill, designed to permit a vote on the financing of improvements of city streets and drainage projects, passed on a vote of 23-8 and was sent to the House.

Sponsoring Sen. John Schwarz, R-Battle Creek, said the measure was needed so city voters would get a chance to decide whether they want to raise the city income tax from 1 percent to 1.4 percent.

Taxes for those who work in the city but don't live there would rise from 0.5 percent to 0.7 percent.

Combined with a special assessment, the taxes would raise \$50 million over 13 years for the local improvements, according to Schwarz. The income tax would raise 48 percent of that amount, he said.

"I look at this as a self-help bill for Battle Creek," Schwarz said. "The Senate is not raising anyone's taxes."

IRONICALLY, THE non-resident voting bill passed shortly after the Senate approved a measure to permit a special tax vote in Battle Creek — but after removing a provi-

AMENDMENTS TO extend the voting rights to non-residents failed on votes of 15-15 and 17-12 despite arguments from senators who share DiNello's taxation philosophy.

THE EXPERTS concluded that more research is needed to better diagnose and treat victims injured in the home and workplace, on the street and in athletics.



"HERE'S \$5.00 TO GET YOU STARTED."

—Chuck Yeager

A rebate offer like this one ought to get you all charged up for the winter.

Buy a top-quality Delco Freedom or Dura Power 50, 60, 72, or Voyager battery between October 18, 1987, and December 19, 1987, and you'll come out \$5.00 ahead.

(Go for a 40-series battery and you'll save \$2.00.)

All participating AC-Delco retailers have rebate coupons and details. Look for the one nearest you — he's listed at the bottom of the page.

While you're there, don't forget to ask about Delco's expressed limited nationwide warranty that applies to all batteries.

But you better get your tail moving. All requests must be received by December 31, 1987.



AC-DELCO. THEY DON'T JUST FIT. THEY MATCH.

DELCO BATTERIES AVAILABLE AT THESE RETAILERS:

- | | | | | |
|---|---|---|---|---|
| AUBURN HEIGHTS
A & A Auto Supply
3750 Auburn Rd.
852-1400 | FARMINGTON
ACO
29615 Orchard Lake
Autoworks
22078 Farmington
Virginia Sledman-Son
30747 W. 10 Mile Rd.
476-0400
W. Point Motor Supply
27508 W. 8 Mile Rd.
474-0845 | Ellis Tire Center
19268 Middlebelt
477-4840
General Tire Service
19801 Middlebelt Rd.
477-1100
Mid 5 Auto Supply
15800 Middlebelt
Murray's Discount
28135 W. 6 Mile Rd.
471-5850
Ramchargers Per. Ctr.
32534 Plymouth Rd.
591-3224
TGMCLivonia Auto
9460 Plymouth Rd.
425-2109 | Shorts Auto Parts
28550 Grand River
532-2900
Tonys PTS & ACC
28000 Plymouth Rd.
937-8533
Warehouse Club
24400 Plymouth Rd.
678-6800 | Royal Oak Autom.
4401 W. 13 Mile Rd.
435-3040 |
| BERKLEY
Grand Auto
2188 Coolidge
541-2087 | FARMINGTON HILLS
ACO Inc.
23333 Commerce Dr.
471-0100
Perry Drug
33330 W. 12 Mile
Shorts Auto Parts
29240 Grand River
478-2526 | PLYMOUTH
ACO
44441 Ann Arbor Rd.
Evenson Auto Service
1480 Ann Arbor Rd.
455-2636
TGMCPlymouth Auto
9102 Ann Arbor Rd.
455-0760 | ROCHESTER
Grant Auto
94 W. Auburn
852-6300
Greenfield Tire-Brake
226 Main Street
651-4007
Perry Drug
1578 Walton Blvd.
Tonys Parts & Acc.
1747 Auburn Rd.
852-2280
Tonys Parts & Acc.
115 University West
651-8162 | SOUTHFIELD
ACO
29201 Greenfield Rd.
Al's Tire Inc.
24777 Telegraph
353-2111
American Start-All
23460 W. 8 Mile
356-4576
Harrthun Distrg.
20723 Evergreen Rd.
357-1800
Hi-Low Auto Parts
24210 W. 10 Mile Rd. |
| BLOOMFIELD HILLS
ACO
2145 S. Telegraph
334-0333
Autoworks
2500 N. Woodward
334-4750 | GARDEN CITY
Garden City Auto Pts.
5659 Middlebelt
Wall's Auto Parts
31445 Ford Rd.
421-5040 | REDFORD
ACO Inc.
9395 Telegraph
ACO Inc.
25378 Grand River
Autoworks
25351 Grand River
631-8040
Jerry's Horseless Carriage
20536 Inkster Rd.
537-8250
Car Pro Auto
27207 Plymouth Rd.
937-8360 | ROCHESTER HILLS
ACO
2135 Rochester Rd.
435-0300 | WESTLAND
ACE
1547 S. Wayne Rd.
729-5060
ACO
31059 Ann Arbor Tr.
ACO
35501 Ford Rd.
Murray's Discount
6144 Wayne Rd.
729-4400
Quality Disc. Auto Pts.
2221 Wayne Rd.
729-4400
Target
3541 Warren Rd.
728-4444
Tonys PTS & ACC
200 N. Wayne Rd.
328-8340
Westland Car Care
7666 Wayne Rd.
525-0860 |
| CANTON
Autoworks
5844 N. Sheldon Rd.
455-7744
Bill Brown Auto Clinic
8240 Liberty Rd.
455-3344
Budget Auto Parts
44282 W. Warren
Canton Auto Supply
45820 Ford Rd.
459-7780
Murray's Discount
Ford Road | LATHRUP VILLAGE
Arley's Firestone
27000 Southfield Rd.
657-9250 | | | |
| CLAWSON
ACO
149 E. 14 Mile Rd.
Auto Parts World Inc.
1176 W. 14 Mile Rd.
286-0660
Clawson Auto Supply
607 N. Rochester Rd.
588-4222
Shorts Auto Parts
1511 N. Main Street | LIVONIA
ACO
37133 6 Mile Rd.
ACO
25657 S. 6 Mile Rd.
Autoworks
30441 Plymouth
588-4222
39311 Plymouth Rd.
422-8412 | | | |

Delco Battery availability and prices may vary by retailer.

GENIE: THE GIFT THAT OPENS ALL YEAR



- Our Best 1/2 H.P. Screw Drive Unit PRO 9800
- Digital Transmitter
 - Heavy Duty Construction
 - Twin Lights
 - Auto Safety Reverse
 - 5 Year Warranty

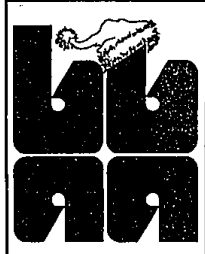
If You Want Professional Installation Compare Before You Buy! Regularly \$299.95 Now Only \$239.95 Installed Save \$60

We Service All Garage Doors & Garage Openers

YOUR BEST CHOICE

MICHIGAN DOOR & INSTALLATION

135 N. Rochester Rd.
(Just N. of 14 Mile)
Rochester Call 338-3400 Troy Call 589-9120



FREE ADMISSION PUBLIC WELCOME

HOLIDAY SALES SHOW

featuring professionally crafted gifts of art

NOV. 30 - DEC. 12, 1987

10 AM-9 PM Mon.-Fri.
10 AM-5 PM Sat.
644-0566

MASTERCARD • VISA
BIRMINGHAM BLOWMOLD ART ASSOCIATION
1516 S. Cranbrook Rd., Birmingham, MI 40009

ESTATE ACQUIRED FURNISHINGS NOW OPEN TO THE PUBLIC

RARE OPPORTUNITY

SAVINGS UP TO 75% AND MORE!

On quality Oak, Maple, Walnut and other woods & veneers (as available) in . . .

Bedroom Sets • Living Rooms • Easy Chairs • China Cabinets • Wall Art Crystal • Silver and Bronze decor items and much more!

Everything we display is "one-of-a-kind!" For the discriminating buyer who appreciates VALUE!

34769 Grand River Avenue Farmington, Michigan 478-7355

HOURS:
Mon., Tues., Wed. & Sat. 10-6
Thurs. & Fri. 10-9
Sun. Noon-4

Re-Sell-It ESTATE SALES

Lay-a-ways
Delivery Available