

DOWNLOAD PDF BRAIN DAMAGE CAN CAUSE VIOLENCE NORBERT MYSLINSKI THE

Chapter 1 : Brain Damage Increases Religious Fundamentalism – Or Scientific Arrogance? | The Stream

The item Violence: opposing viewpoints, Laura K. Egendorf, book editor ; Bonnie Szumski, editorial director ; Scott Barbour, managing editor represents a specific, individual, material embodiment of a distinct intellectual or artistic creation found in Sacramento Public Library.

Despite all our efforts, violence continues to escalate. Poverty, drugs, guns and dysfunctional families all have been blamed for violent behavior. In one publication, researchers listed 15 theories on the origins of violence. However, none of them referred to a critical element. Not one made any reference to the brain. The truth is, all we want to do at this time of year is eat. Winter days are shorter and colder, and the sunlight is weak. Or a slab of lasagna the size of a brick. Or a serving of spaghetti that would fill a garbage can lid. They either trigger the release of the feel-good hormone serotonin in the brain or they can bring back memories of happier times, when life was less complicated or sad. Advertisement NEWS Party drug Ecstasy inhibits production of brain chemical Hopkins researcher says hallucinogen harms cells that produce serotonin By Jonathan Bor and Jonathan Bor, SUN STAFF October 30, Ecstasy, a drug popular at all-night dance parties known as "raves," appears to damage brain cells that release a chemical responsible for mood, memory and pain perception, a study has found. George Ricaurte, a neurologist at the Johns Hopkins University School of Medicine, conducted brain scans on people who had used the illicit drug an average of times over a five-year period. The destruction was greatest among the most frequent users. The drug damaged cells that release serotonin, a natural chemical that is associated with feelings of well-being. I have a headache. For many people, sex can turn a dull, throbbing pain into a raging headache. For a few who jump into bed feeling fine, orgasm can trigger a sudden headache. And for a minority of people, headaches are cured by a roll in the hay. Now a small pilot study exploring the link between migraines and libido suggests there might be a reward for headache pain. Have you ever heard of sipping beer to stop a migraine? I went to a doctor in a little town in Louisiana, and he asked if I get an aura. Before my head starts to hurt, my vision changes, and I see little blinky lights. The doctor said I should drink a can of beer not wine or liquor as soon as I start to see the lights. Over the past 20 years, this remedy has worked almost every time. I thought some other migraine sufferers would like to know. Migraine headaches can be horrible, but one advantage of an aura is that it gives the sufferer a bit of warning before the headache strikes with full force. But they think it corrects an imbalance of a messenger chemical in the brain called serotonin. When the equilibrium of serotonin in the brain is disturbed, a chain of events is triggered which causes migraine pain, according to Dr. Howard Weiss, a Baltimore neurologist in private practice who specializes in headaches. NEWS Gene variant identified in depression By NEWSDAY December 14, One in every 10 people with major depression may carry a particular variant of a gene that makes it difficult to respond to most common antidepressant medicines, according to a new study. Marc Caron and his colleagues at the Duke Institute for Genome Sciences and Policy have identified this so-called gene variant in nine of 87 patients studied. All but two of the nine failed to get better on antidepressants. The remaining two patients benefited only at the highest dose, according to Caron, a researcher in the department of cell biology. I am a year-old woman who has had a lifetime fight with depression. I function quite well, but life can be difficult. Approximately eight years ago I began using Prozac. It was like a miracle. Within six weeks the depression was gone. For the past few years, however, the drug has been less effective. My doctor prescribed Wellbutrin, but a month after discontinuing Prozac I was in a black depression and was desperate. The traditional tag for them is neurotic, but a better word is kvetch. Now it seems that people who are prone to anxiety and pessimism may have drawn a short stick, genetically speaking. This gasping mechanism is thought to fail in SIDS victims. SIDS is the No. She feels sad all the time and is prone to crying jags and fits of rage. When she gets home from work, she sometimes goes straight to bed, leaving her two daughters, who are 11 and 5, to make dinner for themselves. Then she found out she was pregnant. Ecstasy has the properties of amphetamines along with psychedelic effects that make users feel peaceful. Different recipes are used for

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ecstasy, all of which can produce serious harm. The scientific name of the substance is long and cumbersome; its acronym is MDMA. In the study, six subjects will take low-level doses of the drug and a placebo in an attempt to determine how much of the drug is needed to produce noticeable effects. December 11, Young friendship will cost GlendeningThe Dec. Parris Glendening cannot let his friendship for Sen. Larry Young interfere with his sworn responsibilities as our chief executive.

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Chapter 2 : NPR Choice page

Violence: opposing viewpoints. Brain damage can cause violence / Norbert Myslinski Role of brain damage in causing violence is overemphasized / Bettyann H.

Drug Abuse and Legalization The U. The government needs to change its tactics and legalize drugs. Although drugs pose obvious life-affecting problems, legalization of marijuana, cocaine, heroin, and other drugs will allow the government to control usage more effectively and allow addicts to find help more easily. Legalization will lower the crime rate and boost the economy, even though it might mean relaxed use and greater risk to children. Under legalization strict restrictions will need to be applied to keep drug use under control. Laws similar to those that define drunk driving and underage drinking and smoking today would safely restrict use. The war on drugs will never be won despite the amount of money or effort the government spends on fighting. Chemicals in drugs interact with the natural chemical messenger dopamine in the brain. Narcotics in alcohol, nicotine in cigarettes, tetrahydrocannabinol THC in marijuana, and especially amphetamines stimulate the dopamine pathway to create a pleasurable feeling Myslinski Highly addictive drugs actually alter the chemistry and structure of the brain, which often results in loss of control over use Myslinski Beginning users do not anticipate their craving for the drug and expect to quit when they want. Continued use builds up a resistance to the drug, so users take more to feel the euphoria. This process grows into a heavy addiction. In adolescents about two-thirds who have ever smoked two cigarettes become addicted Myslinski Abusers often resort to stealing and selling drugs in order to fund their addictions. Thus, illegal drugs cause a much higher crime rate. In addition to the short-term problems with drug abuse, it can affect users much later in life, also. A deadly spiral is set up, making it more and more difficult for the addict to quit. Continued drug abuse becomes increasingly a matter of brain damage and less a matter of weak character. Ecstasy, for example, has not been fully tested for its effect on the human mind, but problems could include memory loss, sleeplessness, anxiety, and depression as well as long term brain damage Ragavan The many Americans that live with the harsh problems due to substance abuse do not have to. The process of creating more effective rehabilitation and prevention techniques includes legalization of all drugs. Experts consider substance addiction a disease. The government should not punish "sick" patients, it should direct them towards recovery. Legalizing drugs will allow addicts to safely come forward without the risk of being criminally charged Re-legalize 2. The government should stop fighting the criminal aspects of the drug war and start fighting the real problem of drugs by redirecting their funds towards addiction recovery. Drug prevention efforts in effect now have failed miserably. By age 18 fifty-five percent of students have tried an illegal drug at some point in life. By the time children reach college-age, twenty-six percent have used an illegal drug in the past month Sager So far there has been no proven benefit from these programs Re-legalize 1. In fact drug use among teens has increased since A report by the National Institute on Drug Abuse NIDA showed a sixteen percent rise in drug use among twelfth graders and a ten percent rise among eighth graders from to Winters Other projects that actually work can be exploited if the government changes its angle on fighting the drug war. Salcedo, who has served as an intelligence officer associated with drug law-enforcement, provide a number of points aimed at helping drug abusers and preventing drug use in children: Plan USA would] provide treatment, on request, for our hard-core drug-addict population that now exceeds 5 million people. Plan USA would also discourage drug use by adolescents by providing adequate funding of after-school programs and mentor programs. In addition, Plan USA would move to treat and reintegrate the more than , people imprisoned on nonviolent drug charges. Sufficient data that drug prohibition benefits America does not exist. From a logical point of view, legalization has more supportive arguments than criminalization. James Ostrowski wrote asking for specific information on the benefits of drug prohibition.. No response cited any study that showed the benefits of drug prohibition Ostrowski 2. Supposedly, if drugs were legalized, the nation would see a sharp increase in drug use. Before the Harrison Narcotics Act of which outlawed drug use passed,

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less than one percent of the U. Since then, the increase in drug abuse disputes the idea that prohibition helps keep the substance abuse rate down. Prohibition could actually trigger a direct rise in drug use because illegal acts sometimes pose the tempting idea of "forbidden fruit" that teens and adolescents often pick. People in the Netherlands and Alaska, where marijuana is legal in small amounts, actually consume less marijuana than people in the continental U. This shows that drug prohibition has an opposite effect on the use of drugs. Legalization would put drug manufacturing into the hands of reputable companies that would create safe methods of drug use. The companies would be confronted with current responsibilities including the need for health restrictions, instructions, warnings, and quality control. Twelve Reasons 4. This makes the companies accountable and liable for any health problems related to dirty needles and other health problems related to street drugs. They would have dosage recommendations and would not risk unsafe street mixes. Re-legalize Many street drugs contain other substances and unknown amounts of the drug. Substance abusers oftentimes do not know exactly what they take. Legalization would eliminate these dangers and provide safer means of use. Along with providing safer drug use, the transfer of drug distribution from dealers to legal companies would all but destroy crime in the U. Forty percent of all crime relates to drugs. Twelve Reasons 1. Drugs link to forty percent of Chicago homicides. Re-legalize 1. Vernia Brown, a nineteen year old mother, died by accident in a drug shoot-out in the Bronx, Ostrowski 1. These crimes would not happen if drugs become legal. Because of the lack of motive, the homicide rate would decline. Organized crime would all but disappear. These organizations would lose billions. Twelve Reasons 4. Of course, this would also have negative effects on world economy. Seven thousand homes in Vancouver grow marijuana and export it to the U. Vancouver is an expensive place to live, and B. National economies such as this could collapse, but more importantly, so will the major, worldwide crime organizations. Legalization will solve many small problems within the U. Police forces will be freed to focus on more important safety issues of American citizens, rather than enforce drug matters. Twelve Reasons 2. Because of the decreased crime rate, officers will focus on important issues such as homicide and domestic disputes. They will not worry about underground drug deals and dealer shoot-outs. The lowered crime rate will free the strain on the court system and ease prison overcrowding. Twelve Reasons Many trials occur due to drug-related cases. Out of the thirty thousand federal prisoners, almost ten thousand of these were jailed because of drug law violations. Twelve Reasons 2. Although legalization solves many problems, it creates need for tighter governmental control of substance use. Laws and regulations need to be passed in order for legalization to be controlled. Johnson, the governor of New Mexico promotes legalization, he holds a specific point of view: Sometimes people say to me, "Governor, I am absolutely opposed to your stand on drugs. Drugs are a real handicap. Laws need to address a legal age to start, selling to minors, and driving while under the influence of mind-altering substances. These laws should relate to the current laws passed on tobacco and alcohol use. These restrictions will obviously demand fine-tuning if drugs are legalized, but in the end, these regulations could make the difference between a successful legalization scenario and an unsuccessful one. Legalization instigates the need for strict regulation, but if managed correctly, it could help millions of lives controlled by substance addiction. Many economic, social, and civil benefits exist under legalization. These benefits could help the U. The government should begin to take these arguments seriously and make a decision for the good of the American people. I just read your article which I found very interesting. I agree with a lot of what you say. I am a grown adult with children who have been in trouble with the law for pot. My son was arrested and his life has been ruined. The military will not even take you. They humiliate individuals for their weakness which I believe is no different from drinking alcohol for most. I know this is happening to many other families. Do you know why? Because you have to have money and insurance in this country. Most people if they get arrested for drugs end up losing their jobs, get slapped with fines and jail time. The government would rather put them in jail and make them real criminals than to give them counseling or rehab. Now if someone is getting out of prison you would think that this country would want them to go to college and make something of themselves. The amazing thing is you can just move here from a foreign country where you probably smoked pot half your life and grew up

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with it and can apply for financial aid and get it. I know this to be true.

Chapter 3 : Controlled Substances Â» Is Cocaine Addictive?

The brain damage can occur during early development or later in life. Two of the best predictors of violent behavior are childhood head injuries or neurological deficits such as epilepsy or.

Treatment Swelling of the brain within the skull can put undue pressure on the surrounding tissues. In a mild case of TBI, symptoms normally go away without treatment. However, repeated, mild TBIs can be dangerous or fatal. This is why it is essential to rest and avoid further exposure until a doctor gives the go-ahead. More severe cases will require hospitalization, possibly with intensive care. This will involve ensuring the airway is open, providing ventilation and oxygen, and maintaining blood pressure. Medications may be used to help control symptoms. This can help prevent agitation and excess muscle activity and contribute to pain relief. Opioids may be used. These increase urine output and reduce the amount of fluid in tissue. These are administered intravenously. Mannitol is the most commonly used diuretic for TBI patients. A person who has experienced moderate to severe TBI may have seizures for up to a week after the incident. Medication may help prevent further brain damage that may result from a seizure. During a coma, a person needs less oxygen. Sometimes, a coma may be deliberately induced coma if the blood vessels are unable to supply adequate amounts of food and oxygen to the brain.

Surgery Surgery may be necessary in some cases. Internal bleeding can cause partly or fully clotted blood to pool in some part of the brain, worsening the pressure on the brain tissue. Emergency surgery can remove a hematoma from between the skull and the brain, reducing pressure inside the skull and preventing further brain damage.

Repairing a skull fracture: Any part of the skull that is fractured and pressing into the brain will need to be surgically repaired. Skull fractures that are not pressing into the brain normally heal on their own. The main concern with a skull fracture is that forces strong enough to cause it may have caused further, underlying damage.

Creating an opening in the skull: This can relieve the pressure inside the skull if other interventions have not worked.

Long-term treatment A person who experiences a severe TBI may need rehabilitation. Depending on the extent and type of their injury, they may need to relearn how to walk, talk, and carry out other everyday tasks. This may include treatment in a hospital or in a specialized therapy center. It can involve a physical therapist, an occupational therapist, and others, depending on the type of injury.

Tips for recovery Tips that can aid recovery: Avoid activities that could cause another blow or jolt to the head. Follow the instructions of healthcare professionals. Do not take drugs that the physician has not approved. Do not return to normal activities, including driving and sports participation, until the doctor agrees. Get plenty of rest.

Types There are two major types of TBI: In open TBI, the skull is broken. In a close TBI, it is not. A direct impact trauma that may or may not involve a loss of consciousness. This is the most common type of TBI. It is often mild, but it can be fatal. When a direct blow causes localized bleeding in the brain, possibly resulting in a blood clot. When tears occur in the brain structure due to shearing by the skull. When a sharp object enters the brain.

Causes TBIs can result from a range of incidents, from falls to collisions in sport. TBI is caused by a severe jolt or blow to the head, or a head injury that penetrates and disrupts normal brain function. The human brain is protected from jolts and bumps by the cerebrospinal fluid around it. The brain floats in this fluid inside the skull. A violent blow or jolt to the head can push the brain against the inner wall of the skull, which can lead to the tearing of fibers and bleeding in and around the brain.

Responsible for 47 percent of reported cases, notably in children aged up to 14 years and adults aged over 65 years

Motor vehicle accidents: These accounted for 14 percent of cases, especially in the 15 to year age group.

Being struck by or colliding with an object: Other causes include domestic violence and work-related and industrial accidents.

Complications Apart from the immediate dangers, a TBI can have long-term consequences and complications. These may occur during the first week after the injury. TBIs do not appear to increase the risk of developing epilepsy , unless there have been major structural brain injuries. Meningitis can occur if there is a rupture in the meninges, the membranes around the brain. A rupture can allow bacteria to get in. If the infection spreads to the nervous system, serious complications can result. If the base of the skull

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is affected, this can impact the nerves of the face, causing paralysis of facial muscles, double vision , problems with eye movement, and a loss of the sense of smell. People with moderate to severe TBI may experience some cognitive problems, including their ability to:

Chapter 4 : How Domestic Violence Can Injure the Brain

Brain damage can cause violence / Norbert Myslinski Role of brain damage in causing violence is overemphasized / Bettyann H. Kevles and Daniel J. Kevles Male violence against women has a variety of causes / Richard J. Gelles.

As in the movie, CTE is most popularly discussed in the context of football players and soldiers who have had many—“even thousands—”of blows to the skull, either through aggressive tackles or combat. Both can cause a concussion and related symptoms, though some may leave no obvious symptoms. An individual would need to have thousands of these injuries before CTE developed, Dr. But other factors—“including high stress levels, anxiety, depression, mental illness, PTSD and substance use—”can increase the risk of CTE. All of these factors are experiences not uncommon among domestic violence survivors. Some Warning Signs of Concussions Dr. Concussions show symptoms such as headaches, dizziness, sleep issues and double vision, as well as irritability and low tolerance for frustration. For example, if three kids are asking questions at the same time, someone who has suffered a concussion might start screaming or crying. This is because the concussion has impeded their ability to alternate their attention. People with concussion might also have trouble with memory or complex tasks. Driving and household tasks might be manageable, but budgeting might be challenging. Impulse control can also be a problem—“they might be prone to taking excessive risks, gambling or binge eating. Concussions are treatable with rest and professional help, and most of the damage to the brain can be reversed. But domestic violence survivors may face factors that make it harder for them to recover, such as a lack of access to good health care, continued exposure to stress, poor living conditions and further abuse. And other mental health conditions, such as anxiety, depression and substance use, can worsen the effects of concussion and make it harder to heal. Repeat concussions cause more damage. And if one traumatic brain injury can cause serious long-term side effects, it lends researchers to believe that multiple brain injuries put victims at even higher risks for issues like CTE. One intervention is training in problem solving—“how to identify problems, think of alternatives, enact an alternative and evaluate how it worked. Another is a structured method for helping someone identify emotions, understand the difference between different emotions, understand what triggered the emotion and learn to respond more effectively when that situation happens again. Cifu points out that survivors are also at risk for moderate brain injuries such as subdural hematomas a pool of blood on the brain that creates pressure , which are much more damaging to the brain than concussion. As few as three subdural hematomas could lead to a very high risk of CTE or other forms of dementia. Cifu acknowledges that it occurs more often than that. The first signs of CTE generally appear years or decades after most of the brain injuries occurred. A couple of years later symptoms such as motor control, balance problems and short-term memory loss appear. She points out that, of the thousands of people who played football, only a small number have been diagnosed with the condition. But there are decades of research studying the link between traumatic brain injury and dementia. The doctor says there is strong evidence that shows the more severe a brain injury, the more likely a person will develop dementia later in life. And the more brain injuries one suffers, the higher the risk.

Chapter 5 : Brain (computer virus) | Revolv

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Despite all our efforts, violence continues to escalate. Poverty, drugs, guns and dysfunctional families all have been blamed for violent behavior. In one publication, researchers listed 15 theories on the origins of violence. However, none of them referred to a critical element. Not one made any reference to the brain. Despite the fact that all behavior is rooted in the anatomy and biochemistry of the brain, the vast majority of research into violent behavior concerns itself with cultural and societal causes, very little with the neurological causes. Scientists have long known that brain damage can increase impulsive behavior. Just as damage to the brain can result in loss of motor control or loss of sensory function, it also can result in loss of emotional control. The brain damage can occur during early development or later in life. Two of the best predictors of violent behavior are childhood head injuries or neurological deficits such as epilepsy or learning disabilities. In one study of people exhibiting impulsive violent behavior, 94 percent had neurological deficits detectable by tests such as EEG or CT scans. The damage also can be acquired later in life from trauma, tumors, stroke, brain infections or certain diseases. Any form of brain damage, if it occurs in key areas of the brain, can lead to recurrent violent behavior in previously peaceful individuals. One such key area is the amygdala, which is located in the temporal lobes or sides of the brain. Electrical stimulation of the amygdala in animals or humans leads to spontaneous and uncontrollable rage, which stops as soon as the electrical current stops. Removal of the amygdala produces the opposite effect: Up to half of all patients with temporal lobe epilepsy suffer sudden outbursts of aggression and violence. Vincent van Gogh was a victim of this disorder, which led him to cut off his left earlobe with a razor. These examples demonstrate that certain parts of the brain are responsible for inhibiting impulsive violent behavior. Other studies have shown that certain brain chemicals play the same role. One such chemical is serotonin. Research over the past two decades has demonstrated an association between low brain serotonin and violent behavior. This is one of the most consistently replicated findings in behavioral biochemistry. One of the first to demonstrate this relationship was Dr. Asberg, who studied depressed patients. He observed that those patients with the lowest levels of serotonin were the most likely to attempt suicidal violence. Three years later, G. Brown found the same relationship between serotonin levels and externally directed violent behavior. He used a lifetime aggression score based on the actual incidence of overly aggressive behaviors. Using the Psychopathic Deviance Scale of the Minnesota Multiphasic Inventory, Brown also was able to demonstrate that the low serotonin syndrome was a long-term trait of the individual rather than a temporary state of brain chemistry. The conclusion was supported by a later study that found low serotonin levels in young adults correlated with a childhood history of aggressive behavior such as the impulsive killing of pets, setting fires, stealing and lying. If we lose it, we lose control. This is consistent with what we know about the organization of the brain. The frontal cerebral cortex, which has its greatest development in humans, inhibits our basic violent tendencies. Normally, serotonin is released in the frontal cortex, where it interacts with a protein known as the serotonin receptor to produce inhibition. While this control is active and healthy in most of us, it is lacking in some who commit violent crimes. Neuroscientist Rene Hen developed an exceptionally ferocious rodent, which he calls the "outlaw mouse," by deleting the gene for the serotonin receptor. And a study of violent Finnish criminals showed an association between altered serotonin levels and a possible flaw in a gene responsible for the synthesis of serotonin. The violent behavior associated with serotonin is impulsive, unpremeditated and occurring with minimal provocation. There is no economic motivation for the violence and the victim usually is unknown to the offender. Unfortunately, this is only one type of violence that plagues our society. Most neuroscientists who study violent behavior candidly admit that their work offers no cure for the majority of violence. Some chronically violent people, however, may suffer a

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structural or chemical imbalance in their brains. This is important because it is one of the causes of unpremeditated homicide, suicide and the abuse of spouses, children and animals.

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Chapter 6 : Drug Abuse and Legalization

Brain damage is an injury that causes the destruction or deterioration of brain cells. In the U.S., every year, about million people have some type of brain injury -- whether as a result of.

Table of contents for Perspectives on diseases and disorders: Bibliographic record and links to related information available from the Library of Congress catalog Note: Electronic data is machine generated. May be incomplete or contain other coding. There Are Many Kinds of Depression 26 Hara Estroff Marano Depression is often difficult to diagnose because the disease does not always fit neatly into diagnostic categories. One type of depression, called atypical depression, is particularly challenging to diagnose. Myslinski Scientists are continually discovering more and more about the biochemical and physiological causes of depression. This is leading to an ever-increasing number of antidepressant treatments. Deep Brain Stimulation Is a Promising 44 New Treatment for Depression Greg Mone Deep brain stimulation, a new type of brain surgery, offers hope to many people who suffer from severe and hard-to-treat depression. Their depression is often masked by alcoholism, anger, and other self-destructive behaviors. Controversies About Depression 1. Depression Is a Disease 73 Peter D. Kramer Depression is not a requirement for creativity and intense feeling. It is a disease that society should eradicate. Levine Depression is not a disease or a weakness. It is a normal reaction to overwhelming pain. Antidepressants May Be Underprescribed 83 Jonathan Haidt Prozac and other selective serotonin reuptake inhibitors can benefit many people. Antidepressants Are Overprescribed 92 Deborah Kotz Antidepressants have become a "quick fix" to alleviate sadness. But medicating sadness delays the normal healing process. Brody A new and improved electroconvulsive therapy is emerging as a beneficial, lifesaving treatment for some severely depressed people. This harmful procedure should be banned. Library of Congress subject headings for this publication: Depression, Mental Popular works.

Chapter 7 : Table of contents for Library of Congress control number

You would be fully justified to state that traumatic brain injury (TBI) can cause and worsen a wide range of psychiatric symptoms including psychosis, mood symptoms, anxiety, cognitive deficits, and impulsivity.

Chapter 8 : Articles about Serotonin - tribunedigital-baltimoresun

Concussions are treatable with rest and professional help, and most of the damage to the brain can be reversed. But domestic violence survivors may face factors that make it harder for them to recover, such as a lack of access to good health care, continued exposure to stress, poor living conditions and further abuse.

Chapter 9 : Domestic violence, brain injury and psychological trauma – Neurologic Rehabilitation Institute

Nonetheless, countless studies over the years have looked at various populations with histories of both violence and of brain trauma. One famous study from looked at 15 death row inmates and.