Addiction is not a moral failure

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- Member of the Greene County Drug Court, Judge Ken Bailey; Member of the National Association of Drug Court Professionals
- Speaker on the proper prescribing of controlled substances
- Founding partner of High Point Clinic, an non-profit clinic in Johnson City, Tennessee with an interest in drug dependent pregnant women
- Recovering from addiction to benzodiazepines and opioids since July 9, 2004
- 2014 Advocate for Action, Office of National Drug Control Policy, Executive Office of the President of the United States
- Tennessee Vol fan and father to Heath and Hayley and husband to Karen for the past 28 years
- I have no financial disclosures to make
Virgin on the Rocks
We have to be fearless about changing our mind based on new information.
Pure Venom

• “How about treatment that works instead of ridiculous 12-Step AA/NA cult “Higher Power” nonsense that has a 100% failure rate?”

• “Pain management specialist are hard to come by and not covered by my insurance. My physicians will not treat my pain properly and threaten me with no medication.”

• “99% of addicts are personality disordered. They are mentally retarded.”
Stigma Building
Dependence versus Addiction

• **Addiction** - the compulsive use, loss of control and continued use despite adverse consequences; hallmark is *cravings*.

• **Dependence** - once the drug is stopped, a predictable physiological withdrawal syndrome occurs.
Biopsychosocial Model
Hi-Jacking of the Limbic System (Rewards)
Brain Healing Takes Time

Normal levels of brain activity in PET scans show up in yellow to red.

Reduced brain activity after regular use can be seen even after 10 days of abstinence.

After 100 days of abstinence, we can see brain activity “starting” to recover.

The Second 7
As ACES Increase, So Does the Risk For

- Alcoholism and alcohol abuse
- Chronic obstructive pulmonary disease
- Depression
- Fetal death
- Health-related quality of life
- Illicit drug use
- Ischemic heart disease
- Liver disease
- Poor work performance
- Financial stress
- Risk for intimate partner violence

- Multiple sexual partners
- Sexually transmitted diseases
- Smoking
- Suicide attempts
- Unintended pregnancies
- Early initiation of smoking
- Early initiation of sexual activity
- Adolescent pregnancy
- Risk for sexual violence
- Poor academic achievement
Traditional/Popular Concept of Addiction

• Central to the idea of addiction or of dependence is the idea that the drug use in some way makes the user lose control of his or her behavior: that over and over again the user behaves in ways that seem to an observer-or to the user himself or herself-to be irrational and harmful. The loss of control over behavior is two-fold: not only is the user’s drug use out of control, but so is his or her life as a whole.

Consider………..

• Our current understanding of addiction, with or without chronic pain, might be modified by considering that the use of potent pain modifiers such as opioids are an understandable solution to unaddressed and often unrecognized psychological hurt and pain for a large segment of the opioid using population.
To the Editor: Recently we examined our current files to determine the incidence of narcotic addiction in 39,946 hospitalized medical patients who were monitored consecutively. Although there were 11,882 patients who received at least one narcotic preparation, there were only four cases of reasonably well-documented addiction in patients who had no history or addiction. The addiction was considered major in only one instance. The drugs implicated were meperidine in two patients, Percodan in one, and hydromorphone in one. We conclude that despite widespread use of narcotic drugs in hospitals, the development of addiction is rare in medical patients with no history of addiction.

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Opioid Prescription Rates by County—TN, 2007

Prescription Rate per 100 Population
- <195
- 195 - 121
- 122 - 140
- 141 - 160
- =>161
Opioid Prescription Rates by County—TN, 2008
Opioid Prescription Rates by County—TN, 2009
Opioid Prescription Rates by County—TN, 2010
Rat Park
A Few More Options
NIDA funded study by Dr. Marco Venniro of the Intramural Research Program

When given a choice, rats choose social interaction over drugs

Held true even in “addicted” rats

Rats chose peer contact over drugs even when continuously housed with rats

Rats were less vulnerable to relapse than when isolated

Some rats resumed drug use when peer contact was delayed

Social Scientists: connectedness to society can protect some (not all) people against SUD’s
Real-Life Rat Park
“Everybody has a plan until they get punched in the face.”
— Mike Tyson
Xanax (or fentanyl??)
The King
Figure 1
How OUD Medications Work in the Brain

- **Methadone**: Full agonist; generates effect
- **Buprenorphine**: Partial agonist; generates limited effect
- **Naltrexone**: Antagonist; blocks effect

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# Medications to Treat Opioid Addiction

<table>
<thead>
<tr>
<th>Medication</th>
<th>Brand names</th>
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<tbody>
<tr>
<td>Buprenorphine</td>
<td>Probuphine® (implant)*, generics, Sublocade™</td>
</tr>
<tr>
<td></td>
<td>(extended-release injection)</td>
</tr>
<tr>
<td>Buprenorphine and naloxone</td>
<td>Suboxone® (under tongue film), Zubsolv® (tablets),</td>
</tr>
<tr>
<td></td>
<td>Bunavail® (cheek film), generics</td>
</tr>
<tr>
<td>Methadone</td>
<td>Generics</td>
</tr>
<tr>
<td>Extended-release naltrexone</td>
<td>Vivitrol® (injection)</td>
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</tbody>
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* Other extended-release buprenorphine formulations expected to come to market
Contact Information

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- Check out our Website @ www.seventyx7.org
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- Like our Facebook page and give us a follow on Twitter!
  Addiction is treatable, treatment works, and people recover.
  SeventyX7.org