Painweek.

Case Studies of Aberrant Drug Taking Behaviors in Pain Management

Jeremy A. Adler, MS, PA-C

Jeremy A. Adler, MS, PA-C Senior Pain Management PA Pacific Pain Medicine Consultants Encinitas, CA



Disclosures

- Consultant/Independent Contractor: Collegium, Eaglet, Millennium Labs, Quest Diagnostic
- Honoraria: AZ, Daiichi, Pernix, St. Judd (Abbott)

Painweek.

Learning Objectives

- Describe the application of opioid monitoring tools in clinical practice
- Describe differential diagnosis in evaluating aberrant behaviors
- Identify a strategy for approaching a patient with an aberrant finding



Question 1

Which of the following is <u>FALSE</u> regarding a definitive urine drug test having a methamphetamine level present?

- A. A positive result is consistent with methamphetamine use
- B. A positive result can be consistent with a legitimate prescription medication
- C. A positive result can be consistent with a legitimate over-the-counter medication
- D. A positive result is always definitive for illicit drug use

Painweek.

Question 2

The primary source of opioids for individuals who misuse them is from:

- A. A patient who misuses their own medications
- B. A patient who is actively "doctor shopping"
- C. A friend or family member
- D. Internet sales

Question 3

A positive definitive result on a urine toxicology report always indicates that the tested substance is present in the specimen.

TRUE or FALSE

Painweek.

Disclaimer

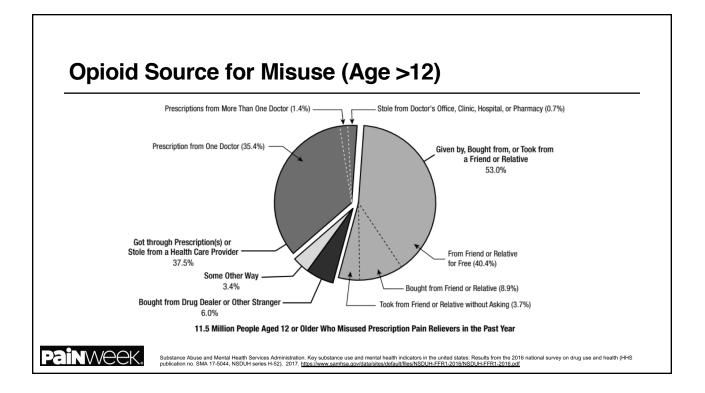
- All case studies have been de-identified for privacy protection
- Every clinical situation is unique and must be evaluated in totality
- There is often more than one appropriate response to each clinical situation



Risk Assessment & Monitoring

■ H&P:

- -Establish diagnosis, appropriate workup and treatment
- -Substance Use/Abuse history Drugs/EtOH (DUI, detox)
- -Psychiatric History
- -Family History
- -RECORDS!!!
- Instruments:
 - -Opioid Risk Tool
 - -SOAPP-R
- PDMP
- Urine Drug Testing
- Consultation Mental Health and Addiction / Second Opinions
- Adherence to treatment plan over time (imaging/referrals/office visits)



Clinical Pearl: The four c's The Four C's in dealing with lower risk, first time aberrant behaviors _______ounsel patient in person on appropriate medication use _______ut down quantity of prescribed medication _______ollect a urine sample for toxicology testing _______ontact state prescription monitoring program (PDMP)

CASE 1

Painweek.

48 y.o. female with chronic and intractable back pain

- -Has scoliosis with multiple spinal surgical interventions since 1981
- -Fractured spine, following hardware removal
- -Has implanted intrathecal pump with hydromorphone
- -Oral hydromorphone available
- -FAMILY HISTORY: NEGATIVE for substance abuse
- -SOCIAL HISTORY: No history of drug, alcohol or tobacco use -ORT: 2
- -PDMP: CONSISTENT
- -UDT: INCONSISTENT



6

UDT

POSITIVE:

HYDROMORPHONE METHAMPHETAMINE AMPHETAMINE 49,017ng/ml 364 ng/ml 564 ng/ml

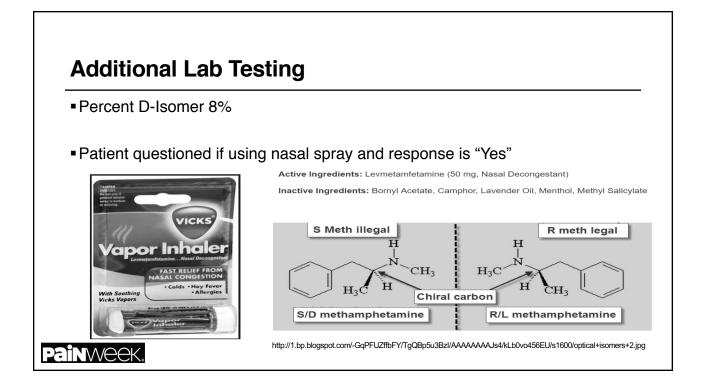
Patient denies methamphetamine/amphetamine use

PDMP negative for methamphetamine

Painweek.

DDx?

- Methamphetamine Abuse
- Hydromorphone diverter?
- Lab error or sample mix-up
- Pharmacy mix-up
- Fake urine or urine donor
- Inadvertent exposure?
- **.**???



CASE 2

- 45 y.o. female patient with chronic intractable knee pain
- Not candidate for knee replacement
- Takes Hydrocodone
- Prior GI bleed secondary to NSAIDs
- Adopted
- Social History: Marijuana in high school, No DUIs
- **UDT: INCONSISTENT**

My Poor Medical Assistant

Urine sample collected in sterile cup and transferred to cup with Immunoassay testing





 After urine transfer, viscous gel present with strong aroma of Vick's Vapor Rub present

Painweek.

DDx?

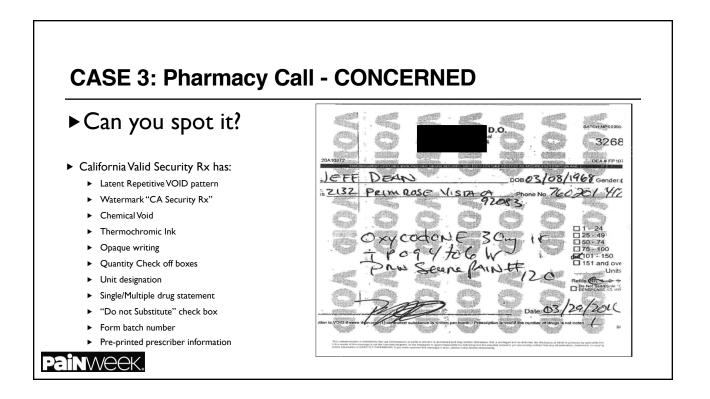
- Terrible kidney disease
- MA had it in for the patient Specimen tampering
- Patient tampering with specimen
 - -Vick's Nasal Spray has I-methamphetamine (widely known to abusers of meth)
 - -Not sure about Vick's Vapor Rub?
- Cup came from manufacture defective

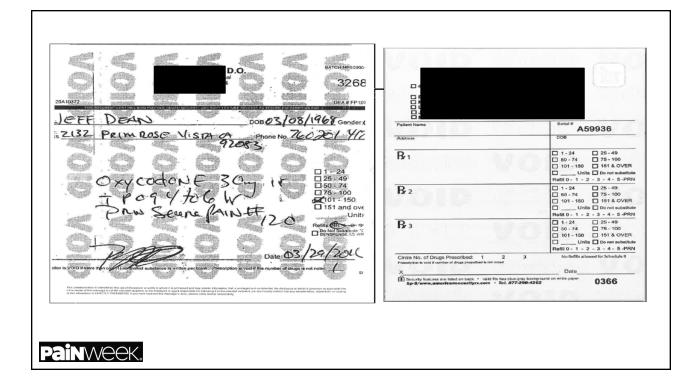
.???



Oops!

- Likely tampering to hide drug abuse
- Sample NEGATIVE for methamphetamine
- POSTIVE: COCAINE





CASE 4: Intent to Sue

- 49 y.o. male with postlaminectomy syndrome with new onset lower extremity radicular pain
- PMH: Klinefelter's Syndrome
- SOCIAL: Married. No drug or alcohol use
- PSYCH: Chronic Anxiety (Behavioral Therapy)
- Chronic intractable pain managed with methadone 10mg Q8h for the last 3 years
- Patient consistently indicates that pain is manageable, but duration of methadone is 6 hours, not 8 hours
- "No shows" to epidural steroid injection appointment

Methadone case

- Patient unexpectedly died morning of procedure
- Medical Examiner listed cause of death:
 - -Accidental Death: methadone poisoning
 - -Associated factors cardiac disease
- Attorney letter from widow with intent to sue for negligence

Painweek.

DDx?

- Methadone overdose
- Homicide poisoning
- Lab error
- Pharmacy error in dispensed methadone
- Drug interaction

Peak & Trough Levels

- Patient had complained of short duration of analgesia
- 6 months prior to death, peak and trough methadone levels were collected to determine if blood levels corresponded to pain complaint
- Levels did not change significantly between peak/trough
- Dose did not change over prior year

Painweek.

Methadone Case

- Methadone level measured at death available from Medical Examiner
- Level at death was half the level of peak and lower than trough level
- Upon Review:
 - -Medical Examiner amended cause of death to Cardiac Arrest
- No legal case followed



CASE 5: HIV POLYNEUROPATHY

- •59 y.o. male with chronic severe and intractable burning pain in all extremities
- Methadone at stable doses for pain
- Some elevated risk factors for opioid abuse, but has been responsible with prescriptions
- UDT: INCONSITENT Negative methadone & EDDP
- Repeat testing 3 times all negative
- Reports taking methadone
- Denies Diversion
- Opioid therapy discontinued

Painweek.

DDX?

- Drug Diversion
- Medication binging
- Fake or Substituted urine
- Lab error
- Pharmacy error?
- •???

Lab Error

- Medical Director of Lab contacted practice 6 months after testing
- Reports that an element of the testing of methadone was inaccurate leading to false negative results
- Methadone results were recalled as inconclusive and unreliable
- Patient unwilling to re-establish care

Painweek.

CASE 6: Chronic Neck Pain & Headaches

- 51 y.o. female with chronic neck pain and episodic cluster headaches refractory to non-opioid therapy
- Utilized opioids in a consistent and responsible manner
- ORT: 7
- Family History: +EtOH abuse
- PSH: +victim pre-adolescent sexual abuse, +cocaine in college
- PDMP: Consistent
- UDT: Consistent X 4 years then INCONSISTENT

UDT & DDx

Consistent with opioids, but positive COCAINE METABOLITE

Denies use

DDx?

- -Cocaine abuse
- -Lab error
- -Inadvertent exposure
- -Fake or substituted urine
- Additional History: Patient had ENT Surgery 6 weeks prior

Painweek.

Cocaine POSITIVE UDT

- ENT Surgeon confirmed intranasal cocaine was used intraoperatively
- Lab Toxicologist unable to explain 6 week timeline suggested maybe cocaine was retained in a "clot which broke free."
- Repeat monthly testing X 3 months CONSISTENT
- 4th Month UDT: POSITIVE COCAINE METABOLITE

DDx?

COCAINE ABUSE

- Although patient denies use, admitted husband abusing cocaine
- She was so concerned about his abuse, she restricted his access to cocaine and prepared for him a small portion at a time
- She states her exposure must have been transdermal from getting cocaine on her hands during the preparation
- Patient weaned from opioids and referred to Addiction Medicine
- Patient refused referral

Painweek.

CASE 7: Groin pain

- ■37 y.o. male with chronic right ilioinguinal neuralgia s/p hernia repair
- Intermittent opioid when pain severe
- FH: NEGATIVE
- PSH: NEGATIVE
- PDMP: CONSISTENT
- **UDT: CONSISTENT X5**
- UDT: INCONSISTENT
 - -Oxycodone, Noroxycodone, Oxymorphone POSITIVE
 - -FENTANYL: NEGATIVE
 - -Norfentanyl: 9.5 ng/ml (Detection 0.5ng/ml)

DDX?

- Fentanyl use Counterfeit Pills?
- Heroin mixed with fentanyl
- Lab Error
- Fake or substituted urine
- Pharmacy error
- Drug diversion/exchange
- **.**???

Painweek.

Lab Error

- Contacted Lab Toxicologist
- Apparent violation of lab policies and procedures
- "Norfentanyl" most likely a "carryover" from sample tested just prior
- Retained specimen tested negative norfentanyl
- Subsequent UDTs CONSISTENT



CASE 8: Took it "Exactly" as Prescribed

- ■36 y.o. military dependent female
- Right shoulder pain from traumatic dislocation
- Taking Percocet and prescribed up to 2/d max #60
- Out after 10 days, but states she took it "<u>exactly</u>" as prescribed based on the prescription bottle label

Painweek.

DDx?

- Patient not truthful
- Drug was diverted
- Pharmacy label error
- Written prescription error
- •???



Label "Percocet 5/325"

- Medical record indicates prescription:
 - -"Take 1 tablet twice daily as needed for pain"
- Patient asked to read label verbatim:
 - -"Take 1 tablet every 4 to 6 hour as needed for pain"
- Contacted Pharmacist
 Confirms label was "Take 1 tablet twice daily as needed for pain"
- Patient asked to bring bottle in for inspection



CASE 8: Out of State

■35 y.o. female from Virginia c/o severe multi-joint pain secondary to RA

- Lives in Virginia, but parents live in California
- Medication: Fentanyl patch 25 mcg/h Q72h (Patient reports good outcome)
- Fentanyl patches discontinued after INCONSISTENT NEGATIVE UDT
- Pain Severe
- Family brought patient to California for treatment
- No records available

Painweek.

DDx?

- Diversion
- Abuse
- Lab error
- Fake or substituted urine
- Misuse
- •<u>??</u>?

Record review

Review of records included UDT

UDT was <u>Immunoassay Only</u>

Fentanyl was not tested and UDT otherwise consistent

Patient stabilized and did not demonstrate aberrant behaviors

Painweek.

CASE 9: Jockey

- 55 y.o. male fell from a horse and had multiple traumatic fractures with chronic pain
- H/O Hydrocodone abuse and marijuana abuse
- Buprenorphine provided for pain control which patient responded to well
- **UDT: INCONSISTENT**
 - -Buprenorphine / norbuprenorphine POSITIVE (Consistent)
 - -cTHC POSITIVE
- Patient admits use to THC, but agrees to discontinue and have more frequent UDT testing

Case Continues

Repeat UDT: INCONSISTENT

-cTHC: NEGATIVE

-Buprenorphine / norbuprenorphine: POSITIVE

-hydrocodone//norhydrocodone/hydromorphone: POSITIVE

Patient denies hydrocodone use

Painweek.

DDx?

- Hydrocodone use
- Lab error
- Fake or substituted urine
- Pharmacy error
- •<u>??</u>?

Additional History

Patient referred to Addiction Medicine, but denies addiction and refuses to go

- Additional history: Patient's wife has chronic pain and is patient

 No addiction history, but prescribed Buprenorphine to keep other opioids out of house
- Patient finally confesses that he had continued with marijuana and substituted his wife's urine for the test. He did not know she was taking hydrocodone (which was not prescribed to her)

Opioids discontinued for both patients and discharged from practice

Painweek.

<section-header><section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item>

Next day

• Unannounced and unscheduled visit - Out completely of Oxycodone

Patient denies overuse

DDx?

-Overuse

-Diversion

-Pharmacy shorted medication count

-Misplaced medication

-???

Painweek.

Complicated Explanation

Caregiver reports:

- Nephew used to steal the oxycodone so she took over responsibility of dispensing
- She filled the prescriptions of oxycodone consistent with PDMP
- Unknown to patient, she had full bottle in her car
- Caregiver purchases own marijuana:
 - "I picked up my drug dealer and his two homies. I needed to stop at a gas station to make change. The line took 10 minutes. After dropping off my dealer, I realized the oxycodone bottle was gone. I wasn't able to get it back"

Caregiver states:

- "I lied" She did not want to lose her job and had responsibility to oversee medication
- She thought if the patient had the pump implanted, those pills would not be noticed
- The patient did not fire the caregiver, refused to stop marijuana, and did not return

CASE 11: Crohn's Disease

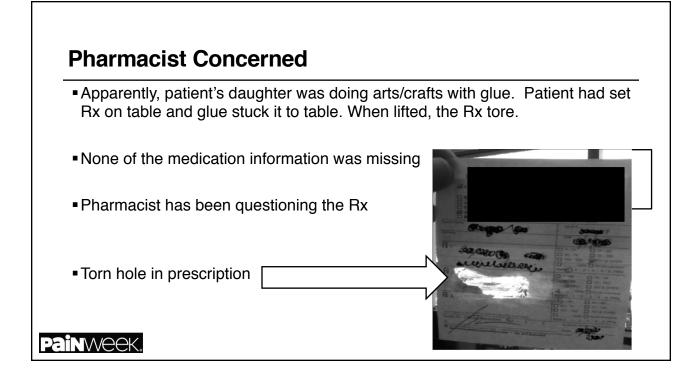
■ 38 y.o. male with Crohn's Disease s/p 3 abdominal surgeries

- Chronic abdominal pain
- Just moved from Missouri
- Taking oxycodone
- PSH: NEGATIVE
- FH: NEGATIVE
- PDMP: Empty
- UDT: CONSISTENT
- Medical Records consistent

Painweek.

Out Early

- Out of medication 2 days early after first prescription
- Counseled and next prescription had <u>Do Not Dispense</u> Date on prescription
- Pharmacist stops by our office <u>after</u> filling Rx
- BTW, this is the only time in career a pharmacist has come to my office



Question 1

Which of the following is FALSE regarding a definitive urine drug test having a methamphetamine level present?

- A. A positive result is consistent with methamphetamine use
- B. A positive result can be consistent with a legitimate prescription medication
- C. A positive result can be consistent with a legitimate over-the-counter medication
- D. A positive result is always definitive for illicit drug use

Question 2

The primary source of opioids for individuals misuse them is from:

- A. A patient who misuses their own medications
- B. A patient who is actively "doctor shopping"
- C. A friend or family member
- D. Internet sales

Painweek.

Question 3

A positive definitive result on a urine toxicology report always indicates that the tested substance is present in the specimen.

TRUE or FALSE



Conclusions

- Always consider aberrant behaviors in the totality of the clinical situation
- Establish a differential diagnosis for aberrant behavior
- Know substance abuse risk factors
- Learn about referral resources
- Stand by your medical determination the benefits of controlled substance management have to outweigh the harms
- It is okay to not prescribe
- DOCUMENT!
- Remember the patient is the one with the problem, you are there to try and help (I just took my last pill....)

Painweek.

Thank You!