

## Urine Drug Testing Case Study: Part 1

CB is a 31 year old female with a history of opioid use disorder, stimulant use disorder (methamphetamine and oral amphetamine), anxiety, anorexia, nicotine use disorder, and hepatitis C positive (RNA viral load less than log 1.2). She is postpartum eight months and has been stable on buprenorphine 8 mg bid (monoproduct).

She presents anxious, has moderately pressured speech, and is thin appearing. She states she is taking her buprenorphine as prescribed. She denies use of other substances, vehemently denying use of adderall or crystal meth when asked. She does endorse use of cannabis "only once" since seeing you last visit (4 weeks prior) but doesn't recall when.

Urine drug testing results performed at send away lab ~ test is called a 'hybrid test'

- Buprenorphine ~ Present
- Norbuprenorphine ~ Present
- Amphetamine ~ Present
- Methamphetamine ~ Present
- THC ~ Present

***What is your next step?***

## **Urine Drug Testing Case Study: Part 2**

You are able to discuss with the patient the next week and indicate that you sent the urine for a confirmation of methamphetamine and amphetamine asking whether she has used any methamphetamine/amphetamine again ~ she remarks, no.

Results are as follows:

- Amphetamine: 302
- Methamphetamine: 1699

***What is your response?***

### **Urine Drug Testing Case Study: Part 3**

You have her come in on the same day and ask her to bring her medication with her. A pill count is consistent with her prescription. Another urine is obtained, sent for same original test.

Results are as follows:

- Buprenorphine ~ Present

#### ***What do you do?***

The lab runs the confirmation on the buprenorphine (ie, quant) and finds:

- Buprenorphine glucuronide: <5 ng/ml
- Buprenorphine: >1000 ng/ml
- Norbuprenorphine: 2 ng/ml
- Naloxone: > 1000 ng/ml

#### ***What is your interpretation?***