

Week 6 addiction case study

Week 6 Case Study

1. Select one drug to treat the diagnosis(es) or symptoms
2. List medication class and mechanism of action for the chosen medication.
3. Write the prescription in prescription format.
4. Provide an evidence-based source and rationale for the selected medication using at least one scholarly Textbooks may be used for additional references but are not the primary reference.
5. List any side effects or adverse effects associated with the medication.
6. Include any required diagnostic testing. State the time frame for this testing (testing is before medication initiation or every 3 months, etc.). Includes normal results range for any listed laboratory tests.
7. Provide a minimum of three appropriate medication-related teaching points for the client and/or family.

Answers

A. Select one drug to treat the diagnosis(es) or symptoms.

There are currently no FDA approved medications to treat stimulant use and most patients are treated symptomatically for intoxication and withdrawal (Brandt et al., 2020; Kampman, 2019; Ronsley et al., 2020; Stahl, 2021; Tardelli et al., 2020). This patient has admitted to using drugs recreationally and is exhibiting signs and symptoms of cocaine use; restlessness, irritability, paranoia, repetitive behaviors (repeatedly questioning staff), tachycardia, tremor, hypertension, and is noted to have dried blood on his left nostril (Stahl, 2021).

Psychosocial treatment is currently the standard for treating stimulant and cocaine use, this includes cognitive behavioral treatment (CBT), group therapy and contingency management (CM) which uses vouchers as rewards that are redeemable for goods or services in the community; this has been the most effective treatment per the literature (Brandt et al., 2020; Kampman, 2019; Ronsley et al., 2020; Tardelli et al., 2020). While there are several medications that have been used to treat stimulant use, psychostimulants such as Modafinil have shown promise in treating cocaine use with a number of studies reporting

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that it can be effective in achieving abstinence (negative urine screen), especially
in males (Brandt et al., 2020; Kampman, 2019; Ronsley et al., 2020; Tardelli et
al., 2020). I have chosen Modafinil for this patient.

B. List medication class and mechanism of action for the chosen medication.

Modafinil is classified as a dopamine uptake inhibitor that works by
binding to dopamine transporters, this also requires the presence of alpha
adrenergic receptors, and it increases neuronal activity selectively in the
hypothalamus (Brandt et al., 2020; Kampman, 2019; Stahl, 2020). This
medication is commonly used for sleepiness associated with narcolepsy
and sleep apnea and it is also used to treat ADHD, bipolar depression, and
fatigue in depression and multiple sclerosis (Stahl, 2020).

C. Write the prescription in prescription format.

Date: 10/4/22

Patient name: Will

Patient DOB: 8/24/1983

R: Modafinil 200 mg tab

Sig: take one tablet (200 mg) by mouth daily

Disp: #14 (fourteen)

Refills: none

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NPI#: xxxxxxxxxx