Supplemental Digital Content 1. *Items most Answered Correctly and Missed Items of the KASRP* *(N=279)*

No items	Contents	Correct Answers	
		n	%
Five items most common answered correctly			
29	The most likely reason a patient with pain would request increased doses of medication	224	80.3
11	Patients should be encouraged to endure as much pain as possible before using an opioid	223	80.0
22	Sedation assessment is recommended during opioid pain management because excessive sedation precedes opioid induced respiratory depression	221	79.2
38 A	Andrew is 25 years old and this is his first day following abdominal surgery. As you enter his room, he smiles at you and continues talking and joking with his visitor. Your assessment reveals the following information: BP = 120/80; HR = 80; R = 18; on a scale of 0 to 10 (0 = no pain/discomfort, 10 = worst pain/discomfort) he rates his pain as 8. Rate the number that represented Andrew's pain intensity.	219	78.5
10	Elderly patients cannot tolerate opioids for pain relief	216	77.4
Five items most common missed			
8	The usual duration of analgesia of 1–2 mg morphine IV	111	39.8
20	Narcotic/opioid addiction is defined as a chronic neurobiological disease, characterized by behaviors that include one or more of the following: impaired control over drug use, compulsive use, continued use despite harm, and craving	104	37.3
39 B	Your assessment, above, is made two hours after he received morphine 2 mg IV. Half hourly pain ratings following the injection ranged from 6 to 8 and he had no clinically significant respiratory depression, sedation, or other untoward side effects. He has identified 2/10 as an acceptable level of pain relief. His physician's order for analgesia is "morphine IV 1–3 mg q1h PRN pain relief." Check the action you will take at this time	100	35.8
21	The term "equianalgesia" means approximately equal analgesia and the same amount of pain relief	86	30.8
23	The recommended route of administration of opioid analgesics for patients with persistent cancer-related pain	69	24.7

Note. KASRP =knowledge attitudes scale regarding pain, BP = blood pressure, HR = heart rate and IV = intravenous