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MEDICATIONS		REVISION A OCTOBER 2013
Midazolam		5.20
PHARMACOLOGY AND ACTIONS		
Benzodiazepine drug that acts as an anticonvulsant and sedative and is a strong hypnotic.		
INDICATIONS		
<ul style="list-style-type: none"> Active seizures. May be used as sedation prior to cardioversion. 		
CONTRAINDICATIONS		
Alcohol intoxication, neurologic, or respiratory depression, hypotension.		
PRECAUTIONS AND SIDE EFFECTS		
<ul style="list-style-type: none"> Midazolam has more potential than the other IV benzodiazepines to cause respiratory depression. Since midazolam can cause respiratory depression and/or hypotension, the patient must be monitored closely. Paradoxical excitement or stimulation sometimes occurs. Most likely to produce respiratory depression in patients who have taken other depressant drugs, especially alcohol and barbiturates, or when given rapidly. Administration for sedation should be done only in consultation with OLMD. 		
ADMINISTRATION		
Adult: 2.5mg IV or IM		
Pediatric: 0.05-0.1 mg/kg slow IV or IM (if unable to establish IV access) MAX 2.5 mg. (Cat B)		

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BSN 301/NCM1030 Lec.
Prof. Dhonna C. Cambe

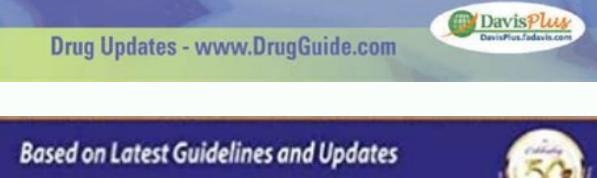
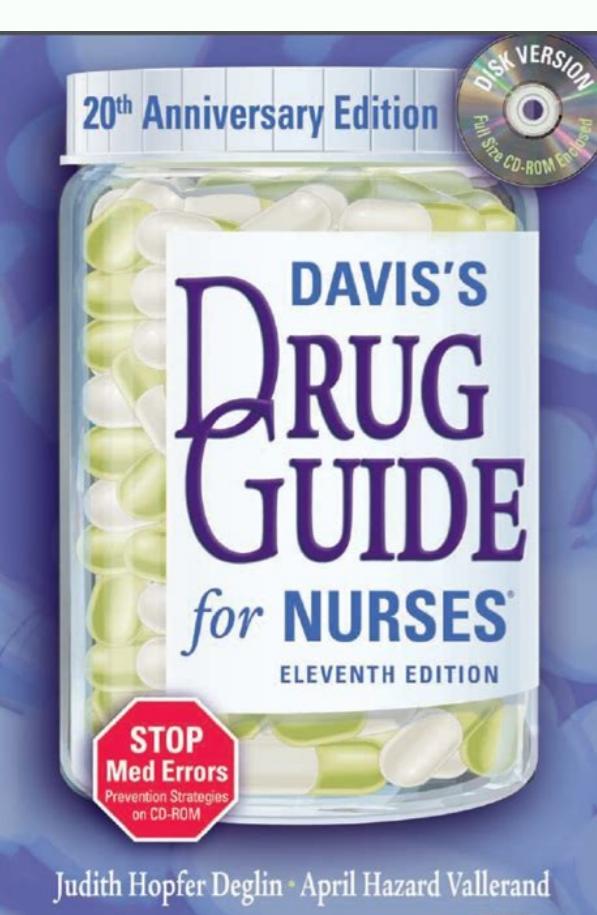
ASSIGNMENT #2 - DRUG STUDY

◆ TRANQUILIZERS & SEDATIVES

Name of Drug	Mechanism of Action	Indications / Contraindications	Adverse Reactions	Drug Interactions	Nursing Considerations	Health Teachings
Midazolam	May potentiate GABA to depress the CNS, and reduce the spread of seizure activity.	Preoperative sedation before surgery or endoscopic procedures To induce sedation and anesthesia and to relieve apprehension before anesthesia or before and during procedures To induce general anesthesia As continuous infusion to sedate intubated patients in critical care unit	CNS over-sedation, amnesia, headache, involuntary movements, nystagmus, hiccups, paradoxical behavior or amnesia, CV variations in BP and pulse rate	Cimetidine: May increase and prolong sedation. Avoid use together CNS depressants. May cause apnea. Adjust dose of midazolam if used with opiates or other CNS depressants.	Monitor patient throughout procedure. Have oxygen and resuscitation equipment available in case of severe respiratory depression. Monitor BP, heart rate and rhythm, respirations, airway integrity, and oxygen saturation during procedure.	Because drug diminishes patient recall of events around the time of surgery, provide written instructions to family members, and follow-up contact.
Brand Name Versed		EEENT: nystagmus	Diazepam: May increase CNS depression and prolong effects of midazolam			
Route of administration IV		GI: nausea, vomiting	Erythromycin: May alter metabolism of midazolam			
CONTRAINdications		Respiratory: apnea, decreased				

		Contraindicated in patients hypersensitive to drug and in those with respiratory depression, glaucoma, shock, coma, or acute alcohol intoxication. Use cautiously in patients with uncomplicated acute illness and in elderly or debilitated patients.	respiratory rate, oxygen desaturation, coughing, Other pain at injection site, redness.	Fluconazole, itraconazole, miconazole May increase and prolong midazolam level and causes psychotaxis or impairment.		
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Name of Drug	Mechanism of Action	Indications / Contraindications	Adverse Reactions	Drug Interactions	Nursing Considerations	Health Teachings
Diizepam	A benzodiazepine that probably potentiates the effects of GABA to depress the CNS and suppresses the CNS.	For acute alcohol withdrawal	CNS: drowsiness, dysuria, slurred speech, transient amnesia, fatigue, ataxia,	Cimetidine: Diazepam, fluroxetine, fluvoxamine, hormonal contraceptives, isoniazid, metoprolol, repeated or	Monitor periodic vital signs, renal, and hematopoietic function studies in patients receiving repeated or	Warn patient about activities that require alertness and coordination until effects of



Judith Hopfer Deglin · April Hazard Vallerand

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