Risks & Benefits of Benzodiazepines

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Parent Drug	Approximate Dose Equivalents (mg)	Detecti	on Window in UDS	6 (Days)
Diazepam	5		10-30	
Alprazolam	0.5		5	
Clonazepam	0.25		5	
Lorazepam	1		5	
Chlordiazepoxide	25		5-30	
Oxazepam	15	5		
Temazepam	15	1-4		
Midazolam	5	0.5-2		
Triazolam	0.25	7-15 hours		
Flurazepam	15	4-16		
Estazolam	1-2		1-4	
Quazepam	10		2-4	

Detection Window in Urine Drug Screening

Denzodiazepine metabolism and Pharmacokinetics Complied by Mena Raouf, Pharm.D. Candidate, 2016, reviewed and edited by Dr. Jeffrey Fudin from http://paindr.com/wp-content/uploads/2015/10/Revised-BZD_-9-30.pdf

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Half Life vs. Speed of Onset

Parent Drug	Half-Life (range, hours)		Speed of Onset	
Diazepam		5	Fast	
Alprazolam		12-15	Intermediate	
Clonazepam	19-60		Slow	
Lorazepam	10-20		Intermediate	
Chlordiazepoxide		10-30	Intermediate	
Oxazepam		5-10	Slow	
Flunitrazepam	18-26		Fast	
Midazolam	1.5-2.5		Fast	
Prazepam		50-200	Slow	

O'Brien CP (2005). "Benzodiazepine Use, Abuse, and Dependence" The Journal of Clinical Psychiatry: 66. Retrieved 5 September 2013.

Half-life vs.

Duration of Therapeutic Action

Alprazolam Duration of Action = 4 – 6 hours Half Life = 12 hours Half life not a good predictor of duration of action Sheehan DV et al. 1982;2(1):40-46.

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Summary

Abuse, dependence, overuse, mortality, morbidity,

illegal use, impairment with BZs are all very low

- Current policies are adequate
- No new edicts, restrictions or prohibitions
- Trust the intelligence & judgment of colleagues
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