Single Dose Drugs Bibliography

A) Antidepressants & antipsychotics

1) Axelson D.A, Perel J.M, Birmaher B., Rudolph G.R., Nuss S., Bridge J., Brent D.A. (2002) Sertraline pharmacokinetics and dynamics in adolescents. *Journal of the American Academy of Child & Adolescent Psychiatry*, **41**, 1037-1044. http://www.ncbi.nlm.nih.gov/pubmed/12218424

2) Kragh-Sørensen, P. Overø K.F. Peterse O.L., Jensen K., Parnas W. (1981) The Kinetics of Citalopram: Single and Multiple Dose Studies in Man. *Acta Pharmacologica et Toxicologica,* **48**, 53-60. http://www.ncbi.nlm.nih.gov/pubmed/6939299

3) Doerr J.P., Spiegelhalder K., Petzold F., Feige B., Hirscher V., Kaufmann R., Riemann D., Voderholzer U. (2010) Impact of escitalopram on nocturnal sleep, day-time sleepiness and performance compared to amitriptyline: a randomized, double-blind, placebo-controlled study in healthy male subjects. *Pharmacopyschiatry*, **43**, 166-173. http://www.ncbi.nlm.nih.gov/pubmed/20603788

4) Wilson S.J., Bailey J.E., Alford C., Nutt D.J. (2000) Sleep and daytime sleepiness the next day following single night-time dose of fluvoxamine, dothiepin and placebo in normal volunteers. *Journal of Psychopharmacology,* **14**, 378–386. http://www.ncbi.nlm.nih.gov/pubmed/11198056

5) Nam Y, Lim C.H., Lee H.S., Chung S.J., Chung Y.H., Shin Y.K., Kim M.G., Sohn U.D., Kim H.C., Jeong J.H. (2014). Single-dose, randomized, open-label, 2-way crossover study of the pharmacokinetics of amitriptyline hydrochloride 10- and 25-mg tablet in healthy male Korean volunteers. *Clinical Therapeutics*, September 10, /10.1016/j.clinthera. http://www.ncbi.nlm.nih.gov/pubmed/25308868

6) Zhao R.K., Cheng G., Tang J., Song J., Peng W.X. (2009). Pharmacokinetics of duloxetine hydrochloride enteric-coated tablets in healthy Chinese volunteers: a randomized, open-label, single- and multiple-dose study. *Clinical Therapeutics,* **31**, 1022-1036. http://www.ncbi.nlm.nih.gov/pubmed/19539103

7) Swearingen D., Pennick M., Shojaei A., Lyne A., Fiske K. (2007) A phase I, randomized, open label, crossover study of the single dose pharmacokinetic properties of guanfacine extended-release 1-, 2- and 4-mg tablets in healthy adults. *Clinical Therapeutics,* **29**, 617-625. http://www.ncbi.nlm.nih.gov/pubmed/17617285

8) Videla S., Cebrecos J., Lahjou M., Wagner F., Guibord P., Xu Z., Cabot A., Encabo M., Encina G., Sicard E., Sans A. (2013) Pharmacokinetic dose proportionality between two strengths (12.5 mg and 25 mg) of doxylamine hydrogen succinate film-coated tablets in fasting state: a single-dose, randomized, two-period crossover study in healthy volunteers *Drugs in R & D*, **13**, 129-135.
http://www.ncbi.nlm.nih.gov/pubmed/23633146

9) Castelli C.M., Bhaskar S., Lippman J. (2013) Pharmacokinetic properties of once-daily oral low-dose mesylate salt of paroxetine (LDMP 7.5 mg) following single and multiple doses in healthy postmenopausal women. *Clinical Therapeutics*, **35**, 862-869.
http://www.ncbi.nlm.nih.gov/pubmed/23795577

10) Bech P., Kajdasz D.K., Porsdal V. (2006). Dose-response relationship of duloxetine in placebo-controlled clinical trials in patients with major depressive disorder. *Psychopharmacology,* **188**, 273–280.
http://www.ncbi.nlm.nih.gov/pubmed/16960699

11) Wright C.W., Aikman M.S., Werts E., Seabolt J., Haeusler J.M. (2009) Bioequivalence of single and multiple doses of venlafaxine extended-release tablets and capsules in the fasted and fed states: Four open-label, randomized crossover trials in healthy volunteers, *Clinical Therapeutics*, **31**, 2722-2734.
http://www.ncbi.nlm.nih.gov/pubmed/20110014

12) Fitzgerald K.T., Alvin C., Bronstein A.C. (2013) Selective serotonin reuptake inhibitor exposure. *Topics in Companion Animal Medicine*, **28**, 13-17.
http://www.ncbi.nlm.nih.gov/pubmed/23796482

13) Sistovaris N., Dagrosa E.E., Keller A. (1983) Thin-layer chromatographic determination of imipramine and desipramine in human plasma and urine at single-dose levels, *Journal of Chromatography B: Biomedical Sciences and Applications,* **277**, 273-281.
http://www.ncbi.nlm.nih.gov/pubmed/6643612

B) Benzodiazepines

Alprazolam

1) Ciraulo D.A., Barnhill J.G., Boxenbaum H.G., Greenblatt D.J., Smith R.B. (1986) Pharmacokinetics and clinical effects of alprazolam following single and multiple oral doses in patients with panic disorder. *Journal of Clinical Pharmacology*, **26**, 292-298.
http://www.ncbi.nlm.nih.gov/pubmed/2871050

2) Crouch D.J., Rollins D.E., Canfield D.V., Andrenyak D.M., Schulties J.E. (1999) Quantitation of alprazolam and alpha-hydroxyalprazolam in human plasma using liquid chromatography electrospray ionization MS-MS. *Journal of Analytical Toxicology*, **23**, 479-485.
http://www.ncbi.nlm.nih.gov/pubmed/10517554

3) Fleishaker J.C., Phillips J.P. Eller M.G., Smith R.B. (1989) Pharmacokinetics and pharmacodynamics of alprazolam following single and multiple oral doses of a sustained-release formulation. *Journal of Clinical Pharmacology*, **29**, 543-549.
http://www.ncbi.nlm.nih.gov/pubmed/2754023

4) Glue P., Fang A., Gandelman K. Glee B. (2006) Pharmacokinetics of an extended release formulation of alprazolam (Xanax XR) in healthy normal adolescent and adult volunteers. *American Journal of Therapeutics*, **13**, 418-422.
http://www.ncbi.nlm.nih.gov/pubmed/16988537

5) Hold K.M., Crouch D.J., Rollins D.E., Wilkins D.G., Canfield D.V., Maes R.A. (1996) Determination of alprazolam and alpha-hydroxyalprazolam in human plasma by gas chromatography/negative-ion chemical ionization mass spectrometry. *Journal of Mass Spectrometry*, **31**, 1033-1028.
http://www.ncbi.nlm.nih.gov/pubmed/8831153

6) Joern W.A., Joern A.B. (1987) Detection of alprazolam (Xanax) and its metabolites in urine using dual capillary column, dual nitrogen detector gas chromatography. *Journal of Analytical Toxicology*, **11**, 247-251.
http://www.ncbi.nlm.nih.gov/pubmed/3431092

7) Kaplan G.B., Greenblatt D.J., Ehrenberg B.L., Goddard J.E., Harmatz J.S., Shader R.I. (1998) Single-dose pharmacokinetics and pharmacodynamics of alprazolam in elderly and young subjects. *Journal of Clinical Pharmacology*, **38**, 14-21.
http://www.ncbi.nlm.nih.gov/pubmed/9597554

8) Lin K.M., Lau J.K., Smith R., Phillips P., Antal E., Poland R.E. (1988) Comparison of alprazolam plasma levels in normal Asian and Caucasian male volunteers. *Psychopharmacology (Berl)*, **96**, 365-369.
http://www.ncbi.nlm.nih.gov/pubmed/3146770

9) Norman T.R., Burrows G.D., McIntyre I.M. (1990) Pharmacokinetic and pharmacodynamic effects of a single nocturnal dose of alprazolam. *International Clinical Psychopharmacology*, **5**, 111-117.
http://www.ncbi.nlm.nih.gov/pubmed/2199575

10) Scavone J.M., Greenblatt D.J., Goddard J.E., Friedman H., Harmatz J.S., Shader R.I. (1992) The pharmacokinetics and pharmacodynamics of sublingual and oral alprazolam in the post-prandial state. *European Journal of Clinical Pharmacology*, **42**, 439-443. http://www.ncbi.nlm.nih.gov/pubmed/1516609

Clobazam

1) Pullar, T., Edwards, D., Haigh, J.R., Peaker, S., Feely, M.P. (1987) The effect of cimetidine on the single dose pharmacokinetics of oral clobazam and N-desmethylclobazam. *European Journal of Clinical Pharmacology*, **23**, 317-321. http://www.ncbi.nlm.nih.gov/pubmed/3567046

Clonazepam

1) Crevoisier C., Delisle M.C., Joseph I., Foletti G. (2003) Comparative single-dose pharmacokinetics of clonazepam following intravenous, intramuscular and oral administration to healthy volunteers. *European Neurology*, 49, 173-177. http://www.ncbi.nlm.nih.gov/pubmed/12646763

2) Miller L.G., Friedman H., Greenblatt D.J. (1987) Measurement of clonazepam by electron-capture gas-liquid chromatography with application to single-dose pharmacokinetics. *Journal of Analytical Toxicology*, **11**, 55-57. http://www.ncbi.nlm.nih.gov/pubmed/3573724

3) Negrusz A., Bowen A.M., Moore C.M., Dowd S.M., Strong M.J., Janicak P.G. (2002) Deposition of 7-aminoclonazepam and clonazepam in hair following a single dose of Klonopin. *Journal of Analytical Toxicology*, **26**, 471-478. http://www.ncbi.nlm.nih.gov/pubmed/12423002

4) Negrusz A., Bowen A.M., Moore C.M., Dowd S.M., Strong M.J., Janicak P.G. (2003) Elimination of 7-aminoclonazepam in urine after a single dose of clonazepam. *Analytical and Bioanalytical Chemistry*, **376**, 1198-1204. http://www.ncbi.nlm.nih.gov/pubmed/12845398

Diazepam

1) Laloup M., Fernandez Mdel M., Wood M., Maes V., DeBoec G., Vanbeckevoort Y., Samyn N. (2007) Detection of diazepam in urine, hair and preserved oral fluid samples with LC-MS-MS after single and repeated administration of Myolastan and Valium. *Analytical and Bioanalytical Chemistry*, **388**, 1545-1556. http://www.ncbi.nlm.nih.gov/pubmed/17468852

2) Walker M.C., Tong X., Brown S., Shorvon S.D., Patsalos P.N. (1998) Comparison of single- and repeated-dose pharmacokinetics of diazepam. *Epilepsia*, **39**, 283-289. http://www.ncbi.nlm.nih.gov/pubmed/9578046

3) Wang X., Wang R., Zhang Y., Liang C., Ye H., Cao F., Rao Y. (2012) Extending the detection window of diazepam by directly analyzing its glucuronide metabolites in human urine using liquid chromatography – tandem mass spectrometry. *Journal of Chromatography A*, Dec 14, 29-34. http://www.ncbi.nlm.nih.gov/pubmed/23122274

Etizolam

1) Fracasso C., Confalonieri S., Garattini S., Caccia S. (1991) Single and multiple dose pharmacokinetics of etizolam in healthy subjects. *European Journal of Clinical Pharmacology*, **40**, 181-185. http://www.ncbi.nlm.nih.gov/pubmed/2065698

Flunitrazepam

1) Forsman M., Nystrom I., Roman M., Berglund L., Ahlner J., Kronstrand R. (2009) Urinary detection times and excretion patterns of flunitrazepam and its metabolites after a single oral dose, *Journal of Analytical Toxicology*, **33**, 491-501. http://www.ncbi.nlm.nih.gov/pubmed/19874658

2) Negrusz A., Moore C.M., Stockham T.L., Poiser K.R., Kern J.L., Palaparthy R., Le N.L., Janicak P.G., Levy N.A. (2000) Elimination of 7-aminoflunitrazepam and flunitrazepam in urine after a single dose of Rohypnol. *Journal of Forensic Sciences*, **45**, 1031-1040. http://www.ncbi.nlm.nih.gov/pubmed/11005178

3) Negrusz A., Moore C.M., Hinkel, K.B., Stockham T.L., Verma, M., Strong M.J., Janicak P.G. (2001) Deposition of 7-aminoflunitrazepam and flunitrazepam in hair after a single dose of Rohypnol. *Journal of Forensic Sciences*, **46**, 1043-1051. http://www.ncbi.nlm.nih.gov/pubmed/11569557

Midazolam

1) Misaka S., Nakamura R., Uchida S., Takeuchi K., Takahashi N., Inui N., Kosuge K., Yamada S., Watanabe H. (2011) Effect of 2 weeks consumption of pomegranate juice on the pharmacokinetics of a single dose of midazolam: an open-label, randomized, single-center, 2-period crossover study in healthy Japanese volunteers. *Clinical Therapeutics*, **33**, 246-252. http://www.ncbi.nlm.nih.gov/pubmed/21497708

3) Reed M.D., Rodarte A., Blumer J.L., Khoo K.C., Akbari B., Pou S., Kearns G.L. (2001) The single-dose pharmacokinetics of midazolam and its primary metabolite in pediatric patients after oral and intravenous administration. *Journal of Clinical Pharmacology*, **41**, 1359-1369. http://www.ncbi.nlm.nih.gov/pubmed/11762564

4) Stroh M., Dishy V., Radziszewski W., Hwang E., Lazarus-Shipitofsky N., Dittrich H., Johnson-Levonas A.O., Lutz R., Wagner J.A., Lai E. (2010) The effects of multiple doses of rolofylline on the single-dose pharmacokinetics of midazolam in healthy subjects. *American Journal of Therapeutics*, **17**, 53-60. http://www.ncbi.nlm.nih.gov/pubmed/20027108

Multiple Benzodiazepines

1) Cheze M., Villain M., Pepin G. (2004) Determination of bromazepam, clonazepam and metabolites after a single intake in urine and hair by LC-MS/MS. Application to forensic cases of drug facilitated crimes. *Forensic Science International*, **145**, 123-130. http://www.ncbi.nlm.nih.gov/pubmed/15451083

2) Greenblatt D.J., Harmatz J.S., Dorsey C., Shader R.I. (1988) Comparative single-dose kinetics and dynamics of lorazepam, alprazolam, prazepam, and placebo. *Clinical Pharmacology and Therapeutics*, **44**, 326-334. http://www.ncbi.nlm.nih.gov/pubmed/3138056

3) Ochs H.R., Greenblatt D.J., Verburg-Ochs B., Locniskar A. (1984) Comparative single-dose kinetics of oxazolam, prazepam, and clorazepate: three precursors of desmethyldiazepam. *Journal of Clinical Pharmacology*, **10**, 446-451. http://www.ncbi.nlm.nih.gov/pubmed/6150943

4) Reubsaet K.J., Ragnar Norli H., Hemmersbach P., Rasmussen K.E. (1998) Determination of benzodiazepines in human urine and plasma with solvent modified solid phase micro extraction and gas chromatography; rationalization of method development using experimental design strategies. *Journal of Pharmaceutical and Biomedical Analysis*, **18**, 667-680. http://www.ncbi.nlm.nih.gov/pubmed/9919968

5) Shader R.J., Pary R.J., Harmatz J.S., Allison S., Locniskar A., Greenblatt D.J. (1984) Plasma concentrations and clinical effects after single oral doses of prazepam, clorazepate, and diazepam. *Journal of Clinical Psychiatry*, **45**, 411-413. http://www.ncbi.nlm.nih.gov/pubmed/6148339

6) Xiang P., Sun Q., Shen B., Chen P., Liu W., Shen M. (2011) Segmental hair analysis using liquid chromatography-tandem mass spectrometry after a single dose of benzodiazepines. *Forensic Science International*, **204**, 19-26. http://www.ncbi.nlm.nih.gov/pubmed/20627631

Oxazepam

1) Sonne J., Dossing M., Loft S., Olesen K.L., Vollmer-Larsen A., Victor M.A., Hamberg O., Thyssen H. (1990) Single dose pharmacokinetics and pharmacodynamics of oral oxazepam during concomitant administration of propranolol and labetalol. *British Journal of Clinical Pharmacology*, **29**, 33-37. http://www.ncbi.nlm.nih.gov/pubmed/2297460

2) Sonne J., Loft S., Dossing M., Boesgaard S., Andreasen F. (1991) Single dose pharmacokinetics and pharmacodynamics of oral oxazepam in very elderly institutionalized subjects. *British Journal of Clinical Pharmacology*, **31**, 719-722. http://www.ncbi.nlm.nih.gov/pubmed/1867967

Temazepam

1) Abolin C., Hwang D.S. Mazza F. (1993) Bioavailability of temazepam: comparison of four 7.5-MG capsules with a single 30-MG capsule. *Annals of Pharmacotherapy*, **27**, 695-699. http://www.ncbi.nlm.nih.gov/pubmed/8329784

Tetrazepam

1) Concheiro M., Villain M., Bouchet S., Ludes B., Lopez-Rivadulla M., Kintz P. (2005) Windows of detection of tetrazepam in urine, oral fluid, beard, and hair with a special focus on drug-facilitated crimes. Ther Drug Monit, **27**, 565-570. http://www.ncbi.nlm.nih.gov/pubmed/16175127

Triazolam

1) Greenblatt D.J., Gan L., Harmatz J.S., Shader R.I. (2005) Pharmocokinetics and pharmacodynamics of single-dose triazolam: electroencephalography compared with the Digit-Symbol Substitution Test. *British Journal of Clinical Pharmacology*, **60**, 244-248. http://www.ncbi.nlm.nih.gov/pubmed/16120062

2) Kroboth P.D., McAuley J.W., Kroboth F.J., Bertz R.J., Smith R.B. (1995) Triazolam pharmacokinetics after intravenous, oral, and sublingual administration. *Journal of Clinical Psychpharmacology*, **15**, 259-262. http://www.ncbi.nlm.nih.gov/pubmed/7593708

3) Lin D.L., Huang T.Y., Liu H.C., Yin R.M. (2005) Urinary excretion of alpha-hydroxytriazolam following a single dose of halcion. *Journal of Analytical Toxicology*, **29**, 118-123. http://www.ncbi.nlm.nih.gov/pubmed/15902980

C) Opioids

1) Aasmundstad T.A., Xu B.Q, Johansson I., Ripel A., Bjorneboe A., Chrostphersen A.S., Bodd E., Morland J. (1995) Bio-transformation and pharmacokinetics of ethylmorphine after a single dose. *British Journal of Clinical Pharmacology*, **39**, 611-620.
http://www.ncbi.nlm.nih.gov/pubmed/7654478

2) Bass A., Stark J.G., Pixton G.C., Sommerville K.W., Zamora C.A., Leibowitz M., Rolleri R. (2012) Dose proportionality and the effects of food on bioavailability of an immediate-release oxycodone hydrochloride tablet designed to discourage tampering and its relative bioavailability compared with a marketed oxycodone tablet under fed conditions: a single-dose, randomized, open-label, 5-way crossover study in healthy volunteers. *Clinical Therapeutics*, **34**, 1601-1612.
http://www.ncbi.nlm.nih.gov/pubmed/22717418

3) Benziger D.P., Miotto J., Grandy R.P., Thomas G.B., Swanton R.E., Fitzmartin R.D. (1997) A pharmacokinetic/pharmacodynamics study of controlled release oxycodone. *Journal of Pain and Symptom Management*, **13**, 75-82.
http://www.ncbi.nlm.nih.gov/pubmed/9095564

4) Cone E.J., Gorodetzky, C.W., Yeh S.Y. The urinary excretion profile of naltrexone and metabolites in man. *Drug Metabolism and Disposition*, **2**, 506-512.
http://www.ncbi.nlm.nih.gov/pubmed/4156313

5) Cone E.J., Gorodetzky C.W., Yousefnejad D., Buchwald W.F., Johnson R.E. (1984) The metabolism and excretion of buprenorphine in humans. *Drug Metabolism and Disposition*, **12**, 577-581.
http://www.ncbi.nlm.nih.gov/pubmed/6149907

6) Cone E.J., Welch P., Paul B.D., Mitchell J.M. (1991) Forensic drug testing for opiates, III. Urinary excretion rates of morphine and codeine following codeine administration. *Journal of Analytical Toxicology*, **15**, 161-166.
http://www.ncbi.nlm.nih.gov/pubmed/1943064

7) Cone E.J., Heltsley R., Black D.L., Mitchell J.M., LoDico C.P., Flegel R.R. (2013) Prescription opioids. I. Metabolism and excretion patterns of oxycodone in urine following controlled single dose administration. *Journal of Analytical Toxicology*, **37**, 255-264.
http://www.ncbi.nlm.nih.gov/pubmed/23609023

8) Cone E.J., Heltsley R., Black D.L., Mitchell J.M., LoDico C.P., Flegel R.R. (2013) Prescription opioids. II. Metabolism and excretion patterns of hydrocodone in urine following controlled single-dose administration. *Journal of Analytical Toxicology*, **37**, 486-494.
http://www.ncbi.nlm.nih.gov/pubmed/23946451

9) Lafolie P., Beck O., Lin Z, Albertioni F., Boreus L. (1996) Urine and plasma pharmacokinetics of codeine in healthy volunteers: implications for drugs-of-abuse testing. *Journal of Analytical Toxicology*, **20**, 541-546. http://www.ncbi.nlm.nih.gov/pubmed/8934303

10) Smith M.L., Shimomura E.T., Summers J., Paul B.D., Jenkins A.J., Darwin W.D., Cone E.J. (2001) Urinary excretion profiles for total morphine, free morphine, and 6-acetylmorphine following smoked and intravenous heroin. *Journal of Analytical Toxicology*, **25**, 504-514. http://www.ncbi.nlm.nih.gov/pubmed/11599592

D) Miscellaneous single dose studies

1) Stranks E.K., Crowe S.F. (2011) The acute cognitive effects of zopiclone, zolpidem, zaleplon, and eszopiclone: A systematic review and meta-analysis. *Journal of Clinical and Experimental Neurophysiology,* **16,** 1-10. http://www.ncbi.nlm.nih.gov/pubmed/24931450

2) Patat A., Paty I., Hindmarch I. (2001) Pharmacodynamic profile of Zaleplon, a new non-benzodiazepine hypnotic agent. *Hum Psychopharmacol*, **16**, 369-392. http://www.ncbi.nlm.nih.gov/pubmed/12404558

3) Reidy L., Nolan B., Ramos A.R., Walls H.C., Steele B.W. (2011) Zolpidem urine excretion profiles and cross-reactivity with ELISA(®) kits in subjects using Zolpidem or Ambien(®) CR as a prescription sleep aid. *Journal of Analytical Toxicology*, **3**, 294-301. http://www.ncbi.nlm.nih.gov/pubmed/21619724

4) Darwish M., Hellriege E.T. (2010) Pharmacokinetic profile of once-daily cyclobenzaprine extended-release. *Expert Opinion on Drug Metabolism & Toxicology*, **6**, 1425-1436. http://www.ncbi.nlm.nih.gov/pubmed/20883117

5) Kintz P., Cirimele V., Jamey C., Ludes B. (2003) Testing for GHB in hair by GC/MS/MS after a single exposure. Application to document sexual assault. *J Forensic Science,* **48**, 195–200. http://www.ncbi.nlm.nih.gov/pubmed/12570228

6) Hollister L.E., Curry S.H., (1971) Urinary excretion of chlorpromazine metabolites following single doses and in steady state conditions. Res Commun Chem Pathol Pharmacol, **2(3)**, 330-338. http://www.ncbi.nlm.nih.gov/pubmed/4948435

7) Strano Rossi S., Anzillotti L., Castrignanò E., Frison G., Zancanaro F., Chiarotti M. (2013). UHPLC-MS/MS and UHPLC-HRMS identification of zolpidem and zopiclone main urinary metabolites and method development for their toxicological determination. *Drug Testing and Analysis,* **6**, 226-233. http://www.ncbi.nlm.nih.gov/pubmed/23512850

8) Carr M.E., Engebretsen K.M., Ho B., Anderson C.P. (2011) Tetrahydrozoline (Visine®) concentrations in serum and urine during therapeutic ocular dosing: a necessary first step in determining an overdose. Clin Toxicol, 49: 810-814. http://www.ncbi.nlm.nih.gov/pubmed/21972870