

## Adverse drug reactions and interactions: first reports and special situations

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Table 1 contains an overview of first published case reports of adverse drug reactions and interactions, as well as selected case reports of adverse drug reactions in special situations, as recently identified by *Adis Insight*. A database for drug research, disease treatment and decision making,

*Adis Insight* monitors a variety of global sources to identify new drug-related data, which are then reviewed, assessed, validated, categorized and summarized by scientists in the editorial team.

**Table 1** Adverse drug reactions and interactions: first and selected special-situation case reports recently identified by *Reactions Weekly*

Drug	ADR or outcome	Pt gender (age): condition treated	References
<b>First reports of ADRs</b>			
Ceftazidime	Urinary calculi (serious)	M (8 y): NR	Gao P, Liu Z, Yang H, et al. Ceftazidime-related urinary calculi in a young boy: a case report. <i>J Int Med Res.</i> 2020;48(4)
Cimicifuga	Superior sagittal and right transverse sinus thrombosis (serious)	F (49 y): menopausal symptoms	Mittal A, Iliceto A, Yegneswaran B. Herbopathy-induced cephalalgia: remedy gone wrong. <i>J Coll Physicians Surg Pak.</i> 2019;18(3):148–9
Cinacalcet	Cystic parathyroidal adenoma with rapid growth	F (56 y): primary hyperparathyroidism	Werner C, Lupp A, Mtuka-Pardon G, et al. Case of report of a cystic parathyroidal adenoma with rapid growth induced by cinacalcet. <i>BMC Endocr Disord.</i> 2020;20(1):53
Cissus quadrangularis	Thrombocytopenia (serious)	M (65 y): backache	Kulkarni MJ, Bhat AS. Cissus quadrangularis-induced thrombocytopenia in a renal allograft recipient. <i>Exp Clin Transplant.</i> 2020;18(2):250–1
Levetiracetam	Minimal change disease (serious)	M (31 y): generalized tonic-clonic seizures	Tarun TN, Tarun T, Malhotra K. First case report of levetiracetam induced MCD: unicorn in the barn [abstract no. 262]. <i>Am J Kidney Dis.</i> 2020;75(4):612
Phytomenadione	Anetoderma	F (1 y): neurofibromatosis type 1	Esposito I, Guerriero C, Leoni C, et al. One case of anetoderma post-vitamin K1 injection in a newborn. <i>Int J Dermatol.</i> 2020;59(5):e168–e169
Tamsulosin	Fixed-drug eruption	M (54 y): prostatic hyperplasia	Montazer F, Jahani Amiri K, Ahmadi A, et al. A first case of fixed drug eruption due to tamsulosin. <i>J Cosmet Dermatol.</i> 2020;19(5):1143–5
<b>In utero drug exposure</b>			
Elvitegravir-containing ARV therapy	Fetal death in 2 of 134 pregnancies (serious)	2 F (NR): HIV	Badell ML, Sheth AM, Momplaisir F, et al. A multicentre analysis of elvitegravir use during pregnancy on HIV viral suppression and perinatal outcomes. <i>Open Forum Infect Dis.</i> 2019;6(4)

Table 1 (continued)

Drug	ADR or outcome	Pt gender (age): condition treated	References
Paracetamol (high dose) + sertraline	Persistent pulmonary hypertension and premature PDA closure in 1 twin at 33-wk GA (serious)	F (NR): panic attacks and severe headache	Corti CG, Faiola S, Lanna MM, et al. Monochorionic diamniotic twin pregnancy complicated by discordant premature closure of ductus arteriosus. <i>Clin Case Rep.</i> 2020;8(4):685–9
Valproic acid	Spina bifida + other congenital anomalies (pregnancy due to COC failure; serious)	F (30): schizoaffective disorder	Suri R, Socol DK, Gitlin M. Standard of care: reasonable but not perfect. <i>Am J Psychiatry.</i> 2020;177(3):210–3
<b>ADR associated with a genetic factor</b>			
Progesterone implant	Acute intermittent porphyria (serious)	F (23 y): contraception	Tynan C, O'Dwyer G, Ahern T. Unexplained severe abdominal pain, hyponatemia and visual scotoma: a case report [abstract]. <i>Ir J Med Sci.</i> 2019;188a(Suppl 7):S71
<b>COVID-19 in pts receiving immunosuppressive treatment</b>			
Fingolimod	COVID-19 (serious)	F (47 y): relapsing-remitting multiple sclerosis	Foerch C, Friedauer L, Bauer B, et al. Severe COVID-19 infections in a patient with multiple sclerosis treated with fingolimod. <i>Mult Scler Relat Dis.</i> 2020;14:202180
<b>Medication error, abuse, overdose or under-dose</b>			
Alprazolam	Altered mental status + variable fetal heart rate decelerations	F (32 y) + fetus (GA 41 wk): overdose and misuse during and post-labour	Berman DJ. A case of local anesthetic toxicity that wasn't: lipid rescue from self-administered benzodiazepine overdose in labor. <i>In J Obstet Anesth.</i> 2020;42:109–11
Apixaban	Femoral vein thrombus (serious)	M (43 y): unintentional under-dose in an obese pt (BMI 37.6)	O'Riordan S, Wan Mahmood WA. Sub-therapeutic dosing of direct oral anticoagulants in obese patients with deep venous thrombosis [abstract]. <i>Ir J Med Sci.</i> 2019;188(Suppl 7):S38–S39
Calcium carbamide	RPLS + other toxicities (serious)	F (48): suicide attempt	Penasco Y, Gonzalez-Castro A, Rodriguez-Borregan JC, et al. Posterior reversible leukoencephalopathy after cyanamide overdose. <i>Neurologia.</i> 2020;35(1):67–8
Citalopram	No cardiac event during 24-h post-overdose cardiac telemetry	NR: intentional overdose	Lee VR, Huang MT, Brambl WJ, et al. Asymptomatic escitalopram and citalopram overdoses: 6-hour observation period? [abstract no. 041]. <i>J Med Toxicol.</i> 2020;16(2):127–8
Colchicine	Multisystem organ failure + other toxicities (serious)	F (33 y): intentional overdose	Mulkareddy V, Sokach C, Bucklew E, et al. Colchicine toxicity: the fatal masquerade. <i>JACC Case Rep.</i> 2020;2(4):678–80
Etizolam	Somnolence, ataxia + other benzodiazepine-related symptoms	3 children (6–10 y): consumption of unlabelled tablets appearing similar to "Pez" candy	Love JS, Thompson JA, Girardi F, et al. Candy coma: a case series of etizolam exposures [abstract no. 044]. <i>J Med Toxicol.</i> 2020;16(2):128
Hydroxychloroquine	Tachycardia, hypotension + other toxicities (serious)	F (15 y): intentional overdose	Srihari P, Gao HT, Kreshak AA. Massive nonfatal pediatric ingestion of hydroxychloroquine [abstract no. 023]. <i>J Med Toxicol.</i> 2020;16(2):122–3
Ketamine	Bradycardia, diaphoresis, hypotension + other toxicities (serious)	M (46 y): error in administration (IV push instead of 0.5–1 h IV infusion)	Emerling AD, Fisher J, Walrath B, et al. Rapid ketamine infusion at an analgesic dose resulting in transient hypotension and bradycardia in the emergency department. <i>J Spec Oper Med.</i> 2020;20(1):31–3

An ADR is serious (US FDA MedWatch definition) when the pt outcome is death, life threatening, hospitalization, disability, congenital anomaly or requires intervention to prevent permanent impairment or damage.

ADR adverse drug reaction, ARV antiretroviral, BMI body mass index, COC combined oral contraceptive, COVID-19 coronavirus disease 2019, F female, GA gestational age, IV intravenous, M male, mo months, NR not reported, pt patient, RPLS reversible posterior leukoencephalopathy syndrome, PDA patent ductus arteriosus, wk weeks, y years