

Supplementary Table 1. Included studies reporting the contribution of DEG and parent compound contamination of pharmaceuticals on unexplained AKI in children

Study	Design	Affected children	Source contamination	Substances	Summary
Contaminated paracetamol on unexplained AKI					
Hanif et al. ⁹⁾	Case control	339 Children	Paracetamol elixir	DEG	Paracetamol elixir was contaminated with DEG.
Hari et al. ¹⁹⁾	Case study	11 Children	Paracetamol elixir	DEG	Paracetamol elixir was contaminated with DEG.
Scalzo ²⁶⁾	Case report	A 7-year-old girl	Paracetamol elixir	DEG	Paracetamol elixir was contaminated with DEG.
O'Brien et al. ⁸⁾	Case control	109 Children	Paracetamol syrup	DEG	Glycerin as raw material in acetaminophen formulation was contaminated with DEG.
Okuonghae et al. ¹⁷⁾	Case study	47 Children	Paracetamol syrup	DEG	Ingestion of paracetamol syrup adulterated with diethylene glycol
Akuse et al. ¹⁰⁾	Cross-sectional	119 Children	Mixture paracetamol	DEG	My Pikin syrup with composed of paracetamol (120 mg/5 mL) and diphenhydramine hydrochloride (6.25 mg/5 mL) was contaminated with DEG.
Obebi Cliff-Eribo et al. ¹⁸⁾	Case study	7 Children	Mixture paracetamol	DEG	A substandard medicine used for teething problems contaminated DEG.
Bastani et al. ¹¹⁾	Case study	56 Children	Mixture paracetamol	DEG	Imported drugs contains paracetamol and promethazine contaminated with DEG.
Contaminated other drugs on unexplained AKI					
Singh et al. ¹²⁾	Case study	36 Children	Cough expectorant	DEG	Cough expectorant contains 4.25-mg bromhexine HCL and 27.4 mg of pseudoephedrine HCL was contaminated with DEG.
Jain et al. ²³⁾	Case report	A 5-year-old boy	Cough expectorant	DEG	DEG poisoning from contaminated cough syrup.
Geiling et al. ³⁰⁾	Case study	4 Children	Elixir sulfanilamide	DEG	DEG-contaminated elixir sulfanilamide without testing the drug in animals and has not reported in authority yet.
Bowie et al. ¹³⁾	Case study	7 Children	Sedative agent	DEG	Sedative mixture (pronap and plaxim) was contaminated with DEG.
Yorgin et al. ²⁸⁾	Case report	A 16-year-old boy	Antiseizure drugs	PG	High-dose phenobarbital and pentobarbital (solubilized with PG) caused AKI.
Jelley et al. ²²⁾	Case report	A 7-month-old boy	Ergocalciferol	PG	Vitamin D treatment, consists of high-dose (600,000 units) ergocalciferol caused AKI.
Aly et al. ²⁰⁾	Case report	A 7-year-old boy	Laxative agent	EG	A boy ingested laxative agents for his constipation contains EG.
Other factors related unexplained AKI					
Vale et al. ²⁹⁾	Case report	A 2-year-old girl	Unintentionally	EG	A girl accidentally ingested about 100 mL of ethylene glycol.
Harry et al. ²¹⁾	Case report	A 4-year-old girl	Unintentionally	EG	A girl accidentally ingested antifreeze containing EG.
Brophy et al. ²⁴⁾	Case report	A 17-month-old girl	Unintentionally	DEG	A girl confirmed a poisoning of DEG unintentionally by open brake fluid.
Gupta et al. ⁷⁾	Case report	A 17-year-old girl	Intentionally	DEG	A girl brake fluid and ingested it contains DEG.
Greenky et al. ²⁵⁾	Case report	An 8-day-old girl	Intentionally	DEG	The patient's father admitted to intentionally poisoning with antifreeze in her formula milk.
Walker et al. ²⁷⁾	Case report	A 9-year-old boy	Intentionally	EG	Ingested EG based on a boy's friends experimented drug contains EG.

AKI, acute kidney injury; DEG, diethylene glycol; EG, ethylene glycol; PG, propylene glycol.