Occupational transdermal poisoning with synthetic cannabinoids

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Objective:
Synthetic cannabinoids
• dangerous and unpredictable
• in the pure state: powders or oils
• most often smoked, rarely ingested as an herbal infusion
Case series:

• 2014, national airport
• three customs inspectors
• package labeled as a food supplement
• no protection
• one bottle got broken during transport

• soon occurred: dry mouth, nausea, blurred vision, dizziness, weakness, balance disorder, numbness and palpitations
• arrival to Emergency Department ➔ lethargy, somnolence and confusion
• signs of mydriasis, blurred vision, ataxia, numbness, tachycardia and orthostatic hypotension
• laboratory tests ➔ normal
• 2 days later ➔ amnesia, slowed perception of time
• LC-MS/MS: 1-pentyl-N-(2-phenylpropan-2-yl)-1H-indazole-3-carboxamide
• among users known as CUMYL-PINACA

Conclusion:
• transdermal exposure resulted in serious cannabinoid syndrome lasting for 2 days
Thank you for your attention