

## **Bastille Day killings in the French Riviera. How the Forensic task force of the Gendarmerie identified victims in two days using an innovative high throughput DNA fast analysis mobile lab**

Hubac S, Marty J, Robvieux F, Hermitte F, Follot S, Tesio P, Pierrini G  
Forensic Science Laboratory of the French Gendarmerie (IRCGNTM)

In the evening of the Bastille Day 2016, a terrorist attack, carried out with a cargo truck during the fireworks on the seafront of the "Promenade des Anglais" in Nice, led to the death of 86 tourists and residents as well as a large number of injured people. After 2 km driving down the "Promenade", the terror attack suspect was shot and killed by French police forces, ending the attack. The task force of the French Gendarmerie comprised of forensic specialists in ante mortem and post mortem investigations for DVI situations was immediately relocated to Nice from Paris. For the first time, the innovative DNA mobile lab solution, developed by the Gendarmerie, was used to perform forensic analyzes at the scene of the crime. More than 200 DNA analyses were performed in only two days at the local legal medicine institute where unidentified corpses were stored. Therefore, the mobile system provided real time victim identification with DNA typing. This specialized mobile unit enables collection, extraction, and analysis of DNA at the same level of performance as that of a traditional laboratory setting. The system, tools, protocols, expectations, and actual results from a terrorist attack will be presented.