

# University of Northumbria fined after botched experiment nearly kills students

The University of Northumbria at Newcastle has been fined after two students fell seriously ill following a laboratory experiment.

Newcastle Crown Court heard how students were learning about the effects of caffeine as part of a sports experiment. Part of the course included a practical exercise where volunteer students would take quantities of caffeine to demonstrate the impact.

Two of the volunteer students drank a solution with 100 times the amount that should have been taken as part of the experiment. They immediately suffered from dizziness, blurred vision, vomiting, shaking and rapid heartbeat. They were rushed to hospital where their conditions were considered life threatening. Dialysis was required to rid their bodies of the excessive levels of caffeine.

An investigation by the Health and Safety Executive found that the protocols set out for the experiment were not followed. The instructions were to use 200mg tablets but as they were not available the students were provided with caffeine in a powdered form. This created a situation where the students miscalculated the amount of powder to use and overdosed the two volunteers.

University of Northumbria pleaded guilty to breaching Section 3 (1) of the Health and Safety at Work etc. Act 1974 and were fined £400,000 and ordered to pay costs of £26,468.22.

HSE inspector Cain Mitchell said: "Procedures where students are given supplements to assess their effect on the body need to be stringent and subject to very careful control. Caffeine is most popularly known as a constituent of coffee but it can be very dangerous and life threatening where pure caffeine powder is consumed.

"The University completely failed to control the risks during these experiments and two young students were made seriously ill which resulted in intensive care treatment for a number of nights. In other reported cases people have died after taking doses which were less than those administered to these two students.

"All organisations who engage in experiments where people are given chemical substances should ensure that the risks are fully identified and strict procedures are devised and followed to ensure that the experiments can be undertaken safely."

## **Notes to editors:**

1. The Health and Safety Executive (HSE) is Britain's national regulator

for workplace health and safety. It aims to reduce work-related death, injury and ill health. It does so through research, information and advice, promoting training; new or revised regulations and codes of practice, and working with local authority partners by inspection, investigation and enforcement. [www.hse.gov.uk](http://www.hse.gov.uk)

2. More about the legislation referred to in this case can be found at: [www.legislation.gov.uk/](http://www.legislation.gov.uk/)
3. HSE news releases are available at <http://press.hse.gov.uk>

Journalists should approach HSE press office with any queries on regional press releases.

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## **Carl Sargeant thanks Armed Forces Expert Group**

At the 13th meeting of the group, Carl Sargeant said the multi-agency group provided valuable insight into the needs of the Armed Forces community and ways in which service delivery might be improved.

Carl Sargeant said:

“We are committed to providing high quality services to the Armed Forces community in Wales. The Expert Group brings together people with detailed knowledge of issues which affect this community in a number of areas such as health, education and housing.

“Our meetings generate positive discussion between all members and I am keen to continue this, identifying issues of interest to the Armed Forces Community that we can address collaboratively.”

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## **Padma Awards 2017 announced**

Padma Awards – one of the highest civilian Awards of the country, are conferred in three categories, namely, Padma Vibhushan, Padma Bhushan and Padma Shri.

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## **President confers National Awards for Best electoral practices for the year 2016**

The President of India, Shri Pranab Mukherjee said that there has been some talk about simultaneous elections to the Lok Sabha and State Assemblies in political circles.

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## **Guwahati Cancer Institute to be an affiliate of Tata Hospital: Dr Jitendra Singh**

Following a landmark decision, the Dr B.Borooah Cancer Institute in Guwahati will hereafter be an affiliate of the Tata Memorial Centre for Cancer, Mumbai.