1 DAY FORENSIC RADIOGRAPHY

Helston Forensics
FORENSIC BALLISTIC LABORATORIES

Introduction

This course is designed for practising and student forensic investigators from all disciplines. It will provide a basic overview of the techniques involved and the resultant information that can be gained through employing radiographic techniques.
The second half of the day will focus on basic interpretation of radiographic images for pertinent information such as types of wounds seen, causes of common injuries as seen by radiography, trajectory assessment, identifying foreign bodies etc..

The course will not provide information of interpreting radiographic images for medical diagnosis, a suitably qualified medical professional with significant experience is required for any medical diagnosis.

Agenda

- Radiography basic principles
- Radiation law
- Radiography equipment
- Staying safe around radiation
- Image generation and manipulation
- Types of image
- Forensic radiography interpretation for:
    - Item identification
    - Victim identification
    - Ballistics
    - Mechanism of injury
- Evidence reviews of samples both 'live' and reference models

The Principle Lecturer: Christopher Arnold

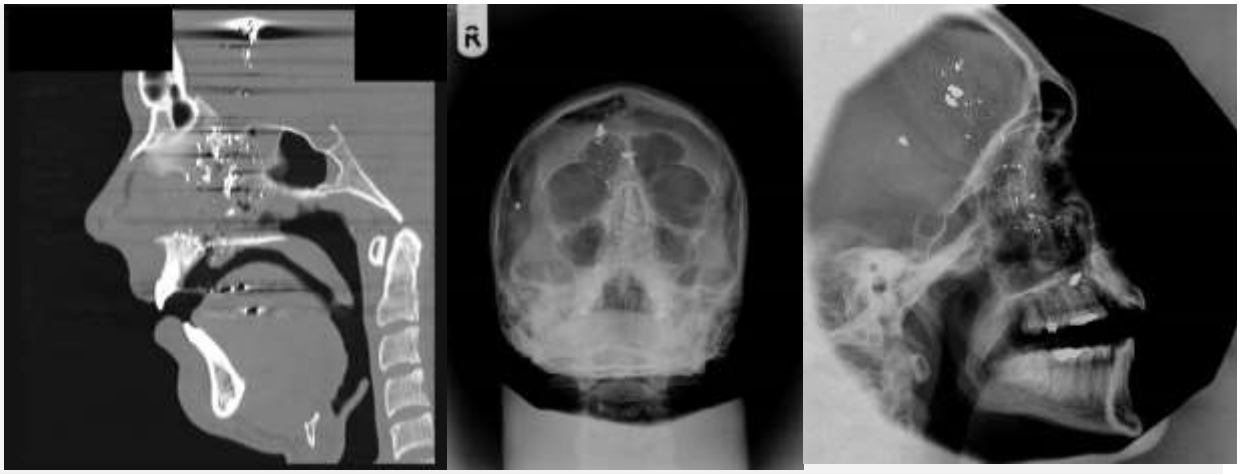
Chris currently works as a full time Superintendent Diagnostic Radiographer in Scotland, having worked in the NHS for a number of years focusing on Trauma, Orthopaedic and Forensic Radiography. He has completed post-graduate qualifications in advanced practice for both plain film reporting of the axial and appendicular skeleton as well as Forensic Radiography.

Having worked with various forensic companies nationally and internationally Chris has supported the work of a number of ballistic experts with the interpretation of radiographic evidence and the reconstruction of wound patterns.

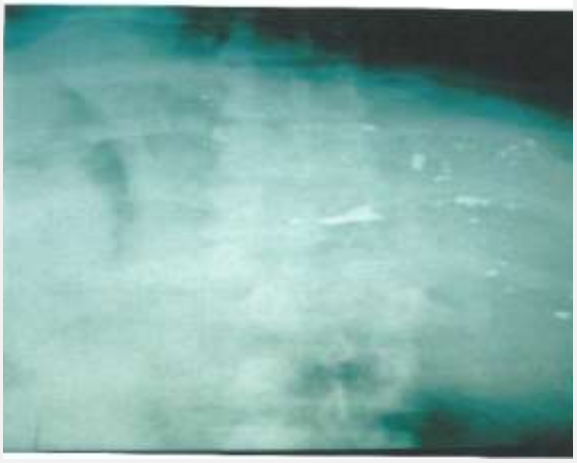
The course will include reviewing radiographs to assess for ballistic wounds and the interpretation of pertinent forensic evidence.

Notes

1. The course duration will be 0900-1730.
2. Refreshments and lunch to be provided.
3. Assistance with hotel bookings will be available from our office staff.
4. This is a CPD-related course. This can contribute to your Continuing Professional Development (CPD) and will be evidenced through multiple-choice summative assessment and the award of a Course Completion Certificate.



Multiple radiographs including plain film and computed tomography images of a gunshot wound to the face and skull



Lumbar spine x-ray displaying a fatal wound, we can assess angle of entry from this radiograph

CT images reconstructed into 3D images

A CT scan showing anatomically incoherent remains, taken from the picture of the burnt corpse (shown right). Victim identification and anatomical review can be supported by radiographic techniques in complex and difficult cases

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