



PIONEERING VISUALISATION IN POST MORTEM EXAMINATIONS



INFRASTRUCTURE



PROCESSES



TRAINING



CONSULTANCY

Powered by



www.virtualautopsy.co.uk



A British
Company



ABOUT: THE COMPANY

Virtual Autopsy Solutions (UK) is an Innovative Med-Tech post-mortem Imaging and Education company that has developed an end to end Non and Minimally Invasive post-mortem imaging solution powered "VizOpsy™" our in-house proprietary software environment.

At Virtual Autopsy Solutions (UK) we have a team of dedicated experts with a wealth of experience in the sectors of Forensic Pathology and Science, Mass Fatalities and Disaster Management, Visualization Technology and IT Infrastructure, Training and Education.

Virtual Autopsy Solutions (UK) has the capabilities and expertise to assist and enable Hospitals, Forensic Departments, and Public Mortuaries with the competences to facilitate their own Virtual Autopsy™ services, as either as adjunct or standalone practice.

OUR SOFTWARE: VIZOPSY™

Our Proprietary software "**VizOpsy™**" is a full function Forensic Information System (FIS) which allows the expert at the start, to carry out the post-mortem examination procedure in 3D volume, and end with a full multimedia cause of death (COD) post mortem report. Just some of the Key unique features to assist the expert/s in the Virtual Autopsy procedure are:

- Case Registration • Volume, Angle, Density, and Linear Measurements
- Fly Through and Non-Invasive Endoscopy • Anatomisation
- Organ Rendering and Sculpting • Multi Plane Dissection

We can also include customisable modules such as:

Post Mortem Angiography ([VizAngio](#))

Colon Pathology ([VizCol](#))

Calcium Scoring ([VizCal](#))

The vast majority of our high performance computing (HPC) and software environment are FDA approved CE Certified to meet the highest Global standards of quality and reliability.

OUR PEOPLE



ASH GOVIND, CHIEF EXECUTIVE OFFICER

With 30 years of experience in the “death care sector” and over 6 years specifically dealing with Virtual Autopsy. Ash has to date successfully commissioned, project managed, and overseen the construction of several Virtual Autopsy Facilities in the UK.

✉ ash@virtualautopsy.co.uk



ROMA KHAN, VICE PRESIDENT GLOBAL - FORENSIC SCIENCE

With over 10 years of experience in Mass Fatality and Disaster Management, Response & Training, Roma is also qualified with experience in Forensic Archaeology, Anthropology and Crime Scene Investigations.

roma@virtualautopsy.co.uk ✉



DR HEMANTH NAIK, VICE PRESIDENT - TRAINING, EDUCATION AND RESEARCH

Qualified and experienced Forensic Pathologist for over 15 years, Dr. Naik has been working on Visualisation technique for several years, has eight years of training experience in Post Mortem Visualisation and Imaging Technique and currently pursuing PhD in Post Mortem CT lung pathology.

✉ dr.hemanth@virtualautopsy.co.uk



DR VUGAR K. HUSEYNOV, VICE PRESIDENT - PROJECT MANAGEMENT

Experienced Forensic Pathologist and educator, Dr. Vugar based out of Azerbaijan, has a reach to the whole of the CIS region and is the Chief Pathologist for the State.

dr.vugar@virtualautopsy.co.uk ✉



AJAY NAIR, HEAD OF GLOBAL BUSINESS

With over 20 years of experience in Sales and Marketing, IT, and Project Management, Ajay also has practical knowledge in Disaster Response.

✉ ajay@virtualautopsy.co.uk

OUR ASSOCIATES



THE ACADEMY OF FORENSIC MEDICAL SCIENCES (AFMS)

Is dedicated to furthering the interests of justice in society through the pursuit of excellence in education and training in the forensic medical sciences. They have partnered with Virtual Autopsy Solutions to deliver the highest standards of training and education in Post-mortem imaging.



BLAKE EMERGENCY SERVICES

Are a global leader in emergency and disaster response management, and mass fatality recovery. With over 600 Team Members spread across 6 continents, they possess a vast range of skills and experience to deal with any situation anywhere in the world.

OUR DISTRIBUTORS



Badar Sultan Group,
Kuwait



Arab Security
Saudi Arabia



Inter-Vest-Med LLC (Azerbaijan)
Sensata Plus LLC (Kazakhstan)

PRODUCT OFFERINGS:

FULL TURN KEY INFRASTRUCTURE

OPTIONS 1 | Virtual Autopsy Centre™ - Full Design & Build



OPTIONS 2 | Virtual Autopsy Mobile™ - Fixed Relocatable or Road Trailer



**All Images for illustration purposes only

OPTIONS

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OPTIONS 3 | Virtual Autopsy Suite™ - Remodel (Redundant Space)



OPTIONS 4 | Virtual Autopsy Adapt™ - Integration of VA into Radiology Department



VIZTOUCH™

VIRTUAL AUTOPSY TABLES



VizTouch - 3D Dissection Table sold separately

For more information please contact Virtual Autopsy Solutions | +44 (0)845 163 600 |

KEY FEATURES



VizTouch™
Elite - White



VizTouch™
Pro - Black



VizTouch™
Standard - White

VizTouch™ VIRTUAL AUTOPSY TABLES

Our 55 inch touch-screen VizTouch™ non-invasive Autopsy Table provides Pathologists with a natural user interface through which to conduct non-invasive autopsies. Height adjustable and with electric tilt (vertical to horizontal), the multi touch solution with wireless remote control on heavy duty wheels. 1400mm wide and 850mm deep while the display is tilted to vertical position and elevated the top of the device is 1850mm.

EDUCATION

For medical visualization application that helps medical students and clinicians with education and surgical simulation. It incorporates a whole body anatomical approach, with a customizable working area, and documentation capable of matching medical information to human body visuals in 3D. This comprehensive 3D visualization tool with intuitive hands-on interface allows for quick analysis and examination when displayed on the VizTouch™ anatomy table and includes post-mortem datasets.

VizTouch™ KEY FEATURES

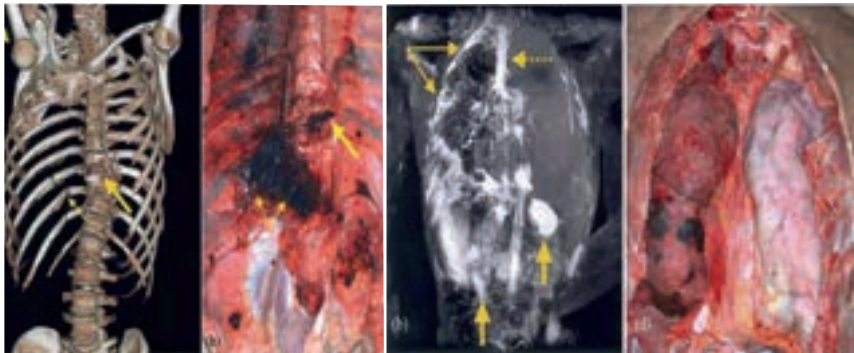
- Sleek, slim frame in brushed steel, white or black
- 32 touch point options
- 4k Resolution 3840 x 2160 Pixels
- Discreet PC housing
- 4 USB connections, HDMI, DVI and VGA
- Touch technology LED Cell Imaging / Projected Capacitive
- Minimum Detectable Object Size: +/- 1.5mm
- Luminous Transmission Better than 95%
- Touch activation force No pressure required
- Sampling Rate Up to 200 fps (depends on frame size)
- Working Temperature 0 – 50 °C
- Touch Method: finger, gloved hand or any other pointer. Finger touch accuracy 27 mm



CASE STUDY: TRAUMA

Virtual Autopsy is a useful tool for **documentation**, **visualization** and analysis of the findings of **blunt force trauma** with a large potential in forensic medicine.

Postmortem CT has proved to be sensitive for the detection of fractures, air embolism and drowning cases.



Postmortem Imaging of Blunt Chest Trauma Using CT and MRI Comparison With Autopsy Emin Aghayev, MD, w Andreas Christe, MD,* z Martin Sonnenschein, MD, zy Kathrin Yen, MD,* Christian Jackowski, MD,* Michael J. Thali, MD,* Richard Dimhofer, MD,* and Peter Vock, MDz

Fatal steamer accident; blunt force injuries and drowning in post-mortem MSCT and MRI Emin Aghayev a,, Michael J. Thali a, Martin Sonnenschein b, Joachim Hurlimann c, Christian Jackowski a, Thomas Kilchoer a, Richard Dimhofer

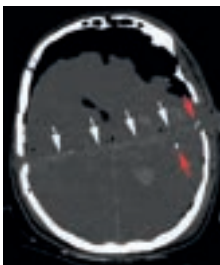
CASE STUDY: GUNSHOT INJURIES

Virtual Autopsy is a useful tool for documentation and visualization of **wounds**, the **detection of bullets** and **bullet fragments** in the body, the **bullet course**, **inflicted injuries** and cause of death in Gunshot Injury cases



Un-Natural / Suspicious Death:

MSCT, surface rendering of a suicide victim. Typical star shaped contact wound to the forehead.



Gun Shot Trauma:

Axial CT scan displaying intracerebral wound track (white arrows) in a case of suicidal gunshot injury. Note the intracranial air and the bullet fragments (red arrows) along the wound track.

FORENSIC PATHOLOGISTS

ADVANTAGES:

- Takes less consumption of; time, manpower and resources
- Makes Sample Collection easy using image guided biopsy
- Non or Minimally invasive
- Findings and reporting; clear, concise, factual and transparent
- Release of remains quicker
- Resolves body storage challenges
- Secured sharing of cases with experts for any further opinions
- Health and Safety from any infectious diseases or Biohazard threats
- Dead Body management during Mass fatalities
- Research opportunities



BENEFITS TO: DIGNITY TO THE DEAD

THE COURT:

- Clear understanding with capability of Visual Demonstration in Court
- Reconstruction made simple and non-messy
- Admissible as Electronic / Digital evidence in National and International courts

HUMANITY:

- Dignity, respect and care to the Dead
- Respect to Religious and Cultural beliefs
- Ethical handling of remains
- Reduces emotional and trauma to families if remains are released sooner





HEAD QUARTERS AND
TRAINING CENTRE







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