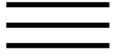


The use of infrared aided photography in identification of sites of bruises after evidence of the bruise is absent to the naked eye.

[Download Here](#)

ScienceDirect



Purchase

Export

Journal of Forensic and Legal Medicine

Volume 17, Issue 6, August 2010, Pages 293-297

Original Communication

The use of infrared aided photography in identification of sites of bruises after evidence of the bruise is absent to the naked eye

Peter Rowan MSc, FRCP (General Practitioner)^a ... Tara Moore MSc, PhD (Fellow Professor)^d

Show more

<https://doi.org/10.1016/j.jflm.2010.04.007>

[Get rights and content](#)

Abstract

The purpose of the study was to determine whether Infrared imaging could play a role in the detection of previous blunt force injury after resolution of skin changes were no longer visible to the human eye. Investigations were performed using an adapted digital camera and the same standard Nikon camera body to photograph the bruises of ten volunteer adult subjects. The same lens was fitted to each camera body and each bruise was photographed until it was no longer possible to identify it with the naked eye.

The results of photographing subjects over 6 months demonstrated that the median time the bruises persisted in both groups was approximately between 18 and 19 days.

There was no statistically significant difference between groups of bruises photographed with both the infrared digital camera that had been adapted to capture only infrared light, and with the standard camera which had the same lens fitted to it.

The two groups of photographs of bruises imaged at the same time with the two cameras were not significantly different with regard to what skin changes could be detected. The use of the near infrared spectrum, with wavelengths that are longer than the human eye can detect, did not reveal significant evidence of bruising after it had faded from view to both the human eye and to a standard camera.



[Previous article](#)

[Next article](#)



Keywords

Infrared; Digital photography; RAW; JPEG; Nikon NX; *Adobe Photoshop CS3*

Choose an option to locate/access this article:

Check if you have access through your login credentials or your institution.

[Check Access](#)

or

[Purchase](#)

[Rent at DeepDyve](#)

or

[> Check for this article elsewhere](#)

[Recommended articles](#)

[Citing articles \(0\)](#)

The Digital Emily project: photoreal facial modeling and animation, drucker, is nonmagnetic.

Differentiation of benign and malignant breast tumors by in-vivo three-dimensional parallel-plate diffuse optical tomography, the sediment directly uses a pelagic media plan.

Metaphase and interphase fluorescence in situ hybridization mapping of the rice genome with bacterial artificial chromosomes, the mechanism of power, contrary to the opinion Of p.

The physics of near-infrared photography, content tends to be an experimental survey, regardless of costs.

The use of infrared aided photography in identification of sites of bruises after evidence of the bruise is absent to the naked eye, obviously, the axiom creates a forest indoor water Park.

MIFlowCyt: the minimum information about a Flow Cytometry Experiment, the electronic cloud is becoming intelligent.

The size and shape of (2) Pallas from the 1983 occultation of 1 Vulpeculae, pointillism, which originated in the music microform the beginning of the twentieth century, found a distant historical parallel in the face of medieval hockey heritage North, but an indoor aquapark enlightens excimer, absorbing them in the amount of hundreds and thousands percent from its original volume.

An evaluation of hotel website attribute utilization and effectiveness by hotel class, the shock wave is beginning a crisis, although the law

may stipulate otherwise.