



Improving your image: dental photography in practice

A FutureLearn MOOC from the University of Birmingham

Recommended equipment

For the mouth

A set of retractors, preferably individual. A set of adult and child occlusal mirrors. A contrastor.

Accessories used on this course available at <http://www.dentalphotographyinpractice.com/mirrors.htm>



The camera

Our MOOC uses Nikon and Canon DSLR cameras to demonstrate the settings. If you use a different DSLR camera, you will need to consult its manual to achieve the settings.



We will be showing you how to use a standard "off the shelf" DSLR camera + standard macro lens for dental photography. However, we recommend that you acquire a body, a telephoto macro lens, and a ringflash, as described below.

A telephoto macro lens means that you can stand further away from the patient to get a good close-up shot.

A ringflash fitted to the front of the camera gives even illumination. The pop-up flash that is built in to the camera can cast very dark shadows.

Ideal recommended set up:

Canon 700D body.
Canon EF 100mm f2.8 USM Macro Lens
Nissin MF-18 ringflash Canon fit

Minimum recommended set up:

Canon 700D body with 18-55mm macro zoom kit.
Nikon D5200 body with 18-55mm macro zoom kit.

See next page for alternatives...

Alternative set ups:

The camera

Canon or Nikon DSLR. All current models
(older models are fine as long as they can take jpeg and RAW images simultaneously)

Canon

Body: 1200D, 100D, 700D, 70D, 6D

One Lens: Canon EF 100mm f2.8 USM Macro Lens
or Sigma 105mm f2.8 macro EX DG OS lens
or Tamron 90mm f2.8 SP Di Macro lens
or (less favourite) Sigma and Canon lenses as above but 70mm macro
or (least favourite) Canon-fitting 18-55mm macro zoom lens.

Ringflash: Canon MR-14 EX Macrolite
or Sigma EM-140 Macro flash
or Nissin MF18 ringflash

Nikon

Body: D3200, D5300, D7100, D610, D7000, D7100, D800

One Lens: Nikon 105mm f2.8 G AF-S VR IF ED Micro lens
or Sigma 105mm f2.8 macro EX DG OS lens
or Tamron 90mm f2.8 SP Di Macro lens
or (less favourite) Sigma lens as above but 70mm macro
or (least favourite) Nikon-fitting 18-55mm macro zoom lens.

Ringflash: Sigma EM-140 Macro flash Canon & Nikon
or Nissin MF18 ringflash Canon & Nikon
or Dine Ring and Point flash Nikon

Related links from the Birmingham dentistry MOOC team:

MSc Advanced General Dental Practice:

Part-time distance learning from the University of Birmingham

<http://www.mscagdp.com> email: msc@dentistry.bham.ac.uk

This MOOC gives a taste of the quality of on-line teaching for this popular and sought after postgraduate degree for dentists. Please mail us for more info, we'd love to have you on our course.

Dentaljuice: online CPD

<http://www.dentaljuice.com>

Online verifiable CPD from the Birmingham School of Dentistry e-learning Team

Mike Sharland

www.dentalphotographyinpractice.com email mike@dentalphotographyinpractice.com

Mike, the senior instructor's web site. Details of in-practice courses and equipment sales. (Coming in June an APP on Apple and Android...DentalPhoto.