

# Using the Olympus TG4 for Dental Macro Photography

*- settings developed by Dr John Mamutil - June 2016*

Here is a brief outline of the settings I use for Dental Macro Photography with the TG4.

Firstly, familiarise yourself with the camera by reading the manual and getting to know the buttons and dials.

The TG4 has 2 custom settings accessed via the settings dial - set at Custom 1 now. This allows frequently used settings like ISO, Flash, etc to be pre-selected.



Here I have set the Zoom to x4 which in turn allows an f-stop of 18 for the best depth of field - essential for Dental Macro work so that you can get from Incisors to at least the Molars in focus



Pressing the OK Button will take you to the Pull-out menu on the Right side of the Display - use the Up/Down buttons to select the Menu Items and the Left/Right Buttons to select the Options like ISO 200.



Once you have selected the settings the Intra-oral photos, for example, - use the MENU Button to navigate your way to saving it to Custom Mode 1 (C1).



Then do the same for Facial image settings and then save that to C2. Here you might use ISO 400 and f/8. You might zoom out to x2 then. Changing the Zoom factor will also change the f-stop accordingly

I use the A (aperture) setting on the dial as a third Preset to take a photo of the Patients Name Label. So in effect you 3 presets which is an almost unique feature of this compact point and shoot camera.

Here is one of the images taken with the TG4. To view the full intra-oral set, please call me or email me with Subject: TG4. When you do view - please send me some feedback or comments.

<https://flic.kr/p/EV6P9k>



Note the Focus selector: I have positioned it to the side so that it points to the premolars - this will give you the best depth of field range



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The following are just screenshots of my other menu settings



.... and here is the icing on the cake:

for the Right side and Upper occlusal photos - just turn the camera upside down to avoid adverse shadows.

I worked this out in 1995 when I started experimenting with the Polaroid PDC cameras (my first ever digital camera). ... the ruler was the focussing mechanism.



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\*\*\* This article is a work in progress - let me know if you need any further help using the TG4 - email or a phone call is fine.

...drop me a line if you have read this article - just for feedback.

John Mamutil (17 June 2016)