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# DENTAL PHOTOGRAPHY & DOCUMENTATION BOOTCAMP

June 13, 2026 | SAM ALAWIE | PASCAL MAGNE | MEHRDAD RAZ

## WHY DENTAL PHOTOGRAPHY

**Patient Communication & Treatment planning**

**Documentation of every day procedures**

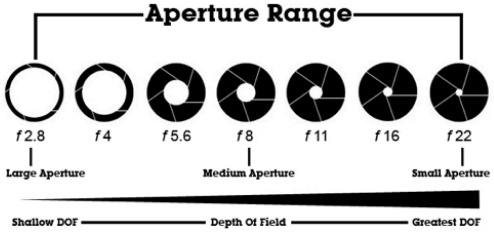
Communication with dental laboratories

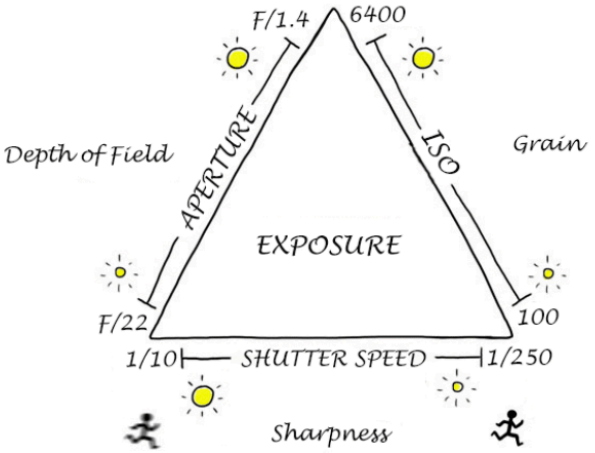
Patient Monitoring

- Treatment catalogue for patients
- Social media / web content
- Marketing
- Teaching & continuing education

## PHOTOGRAPHY FUNDAMENTALS



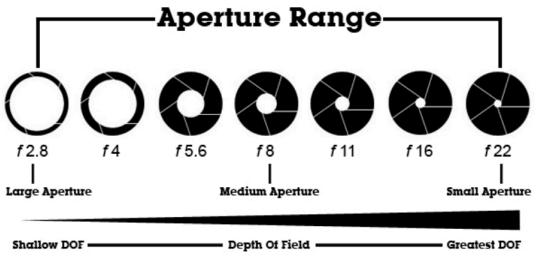




## PHOTOGRAPHY FUNDAMENTALS APERTURE

# APERTURE




Controls how much light hits your digital sensor. This is the opening of your lease.

## PHOTOGRAPHY FUNDAMENTALS Aperture & Depth of Field



Suggested F for intraoral Pictures **F = 22-32**

Suggested F for portraits **F = 8-11**

Low Aperture (F) = Shallow depth of filed

High Aperture (F) = Deep depth of field ( 22 or higher)

## PHOTOGRAPHY FUNDAMENTALS ISO

I S O S C A L E

50 | 100 | 200 | 400 | 800 | 1600 | 3200 | 6400

Less sensitive to light — More sensitive to light

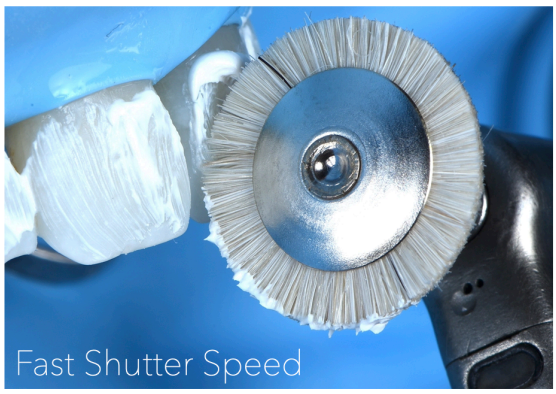
Captures less light — Captures more light

More light needed for ideal exposure — Less light needed for ideal exposure

Less image noise / grain — More image noise / grain

An ISO of 400 or higher is not recommended in dental photography. Normal Range **ISO 100-160**

## PHOTOGRAPHY FUNDAMENTALS Shutter Speed






Shutter Speed Used in dental Photography

Only between **1/60s to 1/ 200s**

The shutter speed determines how long your digital sensor is exposed to light, represented in fractions of a second

## PHOTOGRAPHY FUNDAMENTALS WHITE BALANCE




Normally Temperature of Flash = **5500-5560 K**

Ambient light influences this temperature

Always stay on ϟ or set manual temperature.

## PHOTOGRAPHY FUNDAMENTALS FOCUS MODES



FOR **INTRAORAL** PHOTOGRAPHY = STAY ON **MANUAL** FOCUS

FOR **PORTRAIT** PHOTOGRAPHY = STAY ON **AUTO** FOCUS

AUTO VS MANUAL

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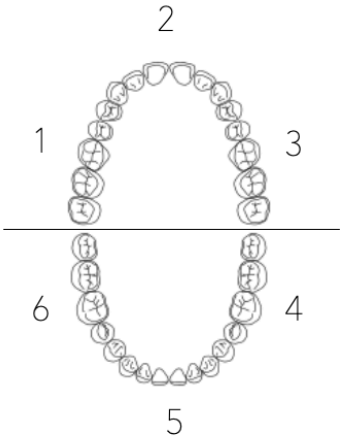
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## PHOTOGRAPHY FUNDAMENTALS

## OFFICE SYSTEM




WRITE A **PROTOCOL** SO THAT PHOTOGRAPHY BECOMES SYSTEMATIC

## CAMERA CHOICES DSLR

D 7500 ( DX )




$550-800

D 610 ( FX ) / Alt D750




$800 - 1,500

D 850 ( FX )




$2,300-3,000

## CAMERA CHOICES MIRRORLESS

Nikon Z50 II
20.9MP DX-Format CMOS Sensor




$750-950

Nikon Z7 II
45.7MP FX-Format BSI CMOS Sensor




$2,100 - 2,600

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## CAMERA SETS — Most economic ( DSLR )

D 7500 ( DX )




$550 - 800

+

Nikon - 85mm, F 3.5




$400 - 550

## CAMERA CHOICES — MIRRORLESS

Nikon Z50 II
20.9MP DX-Format CMOS Sensor




$750 - 950

+

Nikon - FTZ Convertor




$200-250

+

Nikon - 85mm, F 3.5




$400-550

## CAMERA CHOICES — MIRRORLESS

Nikon Z7 II
45.7MP FX-Format BSI CMOS Sensor




$2,100 - 2,600

+

Nikon NIKKOR Z MC
105mm f/2.8 VR S Macro




$730 - 850

## NIKON : D 610 + Nikon 105mm

| | |
|---|---|
| BRACKET : | NO |
| FLASH : | RING ( METZ ) - NO SOFT BOX |
| DISTANCE : | 10-15 Inches |
| APERTURE : | F. 29-32 |
| ISO : | 100 ( increase +200 if needed ) |
| WB : | Flash |
| SHUTTER SP : | 160 |





This setting can also be used if dual flash systems are positioned in the ring or intraoral format.










setting

## NIKON : D 850 + Tokina 100mm

BRAKET : NO
FLASH : Nikon R1/C1 - Naked
DISTANCE : 15 Inches
APERTURE : F. 29-32
ISO : 100
WB : K 5560 teeth
SHUTTER SP : 160



## NIKON : D 850 + 105mm lens Nikon

BRAKET : NO
FLASH : LARGE SOFT BOX 7,5 / 6,5
DISTANCE : 3 meters
APERTURE : F. 9-11
ISO : 100
WB : K 5560 teeth / flash portrait
SHUTTER SP : 160



