

**DENTAL**  
PHOTO  
MASTER



Krzysztof Chmielewski

**DENTAL PHOTOGRAPHY**

PORTFOLIO GUIDELINES





**DENTAL**  
PHOTO  
MASTER

# DENTAL PHOTO MASTER

# From Author

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## Dear Reader,

Thank you for buying my book.  
You will find inside practical information about recommended equipment, settings, and accessories helpful for creating a dental portfolio.

Dental photography requires basic knowledge about photography, proper equipment, and a digital workflow.  
As you begin your clinical photo documentation you should always remember: consistency is the key to success. Types of shots/views are shown as recommendations. During the documentation process of cases it is very important to maintain a similar composition of the images to be able to compare the results or stages of the treatment.  
Documentation should not be stopped when failure is encountered. It is even more important to document such cases because of their high educational value.

Dentistry and photography are my passions. I love what I do.

**Kris Chmielewski**  
Educational Director  
Dental Photo Master



## Contact

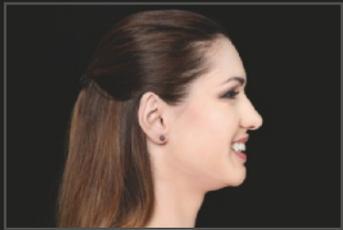
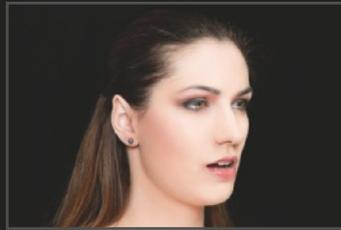
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## Krzysztof Chmielewski, DDS, MSc

Kris is a dentist and a professional photographer.  
He is a board member and past president of the Polish Academy of Esthetic Dentistry, a member of the American Academy of Cosmetic Dentistry, a graduate of the John Kois Center in Seattle, and a visiting lecturer in the J.W. Goethe University in Frankfurt. His dental career started in 1993. From that time, he has been very focused on esthetic dentistry and implantology. Dental photography has been in his office for over 20 years. He is a freelance photographer and filmmaker, and has been involved in projects for Discovery Channel.

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OPTION 1: Camera set with external flash and flash light modifier



in the photo:  
Nikon D800, Nikon AF-S VR Micro-NIKKOR 105 mm f/2.8G IF-ED Lens, Nikon SB-900 AF Speedlight, Gary Fong Lightsphere II

RECOMMENDED



CAMERA & LENS

- Canon EOS 7D Mark II, Canon EOS 70D, Canon EOS 6D
- Nikon D7100, Nikon D7200, Nikon D750
- Canon EF 100 mm f/2.8L Macro IS USM Lens
- Canon EF 100 mm f/2.8 Macro USM Lens
- Nikon AF-S VR Micro-NIKKOR 105 mm f/2.8G IF-ED Lens

FLASH

- Canon Speedlite 600EX-RT
- Canon Speedlite 430EX II
- Nikon SB-910 AF Speedlight
- Nikon SB-700 AF Speedlight



ACCESSORIES

- Black/white background: Lastolite Plain Collapsible 1.5 x 1.8 m black/white (Cat. Nr. LL LC5621)
- Flash light modifier: Gary Fong Lightsphere Collapsible Speed Mount

OPTION 2: Camera set with dual flash on the bracket with LumiQuest bouncers



In the photo:

Nikon D7100, Sigma 105 mm f/2.8 EX DG OS HSM Macro Lens for Nikon, Nikon R1C1 Wireless Close-Up Speedlight System, LumiQuest Pocket Bouncers, PhotoMed bracket R2-N

CAMERA & LENS



- Canon EOS 7D Mark II, Canon EOS 70D, Canon EOS 6D
- Nikon D7100, Nikon D7200, Nikon D750
- Canon EF 100 mm f/2.8L Macro IS USM Lens
- Canon EF 100 mm f/2.8 Macro USM Lens
- Nikon AF-S VR Micro-NIKKOR 105 mm f/2.8G IF-ED Lens

FLASH

- Canon 270EX II
- Canon MT-24EX
- Nikon R1/R1C1
- Nissin i40



ACCESSORIES

- Black/white background: Lastolite Plain Collapsible 1.5 x 1.8 m black/white (Cat. Nr. LL LC5621)
- Flash light modifier: LumiQuest Pocket Bouncer
- PhotoMed brackets: R2-N (Nikon) R2-U (Canon, Nissin)
- Agno's brackets: Scorpion, Albatros (Canon, Nikon, Nissin)



Equipment:

Camera: DSLR  
Lens: Macro 105 mm  
Flash: External Recommended  
or Dual Flash on the bracket



Accessories:

Uniform background  
(black, grey, white)



Mode:

Aperture Priority  
or Manual  
Aperture: f/11  
Shutter Speed: 1/60 – 1/250  
ISO: 100 – 400  
Focus: AF  
Focus Mode: Single Point AF  
White Balance: Flash / 5,500 K  
File Format: RAW + jpg



Magnification:

1 : 10 (Full Frame Sensor)  
1 : 15 (APSC Sensor)



TIPS:

- Full face from the top of the head to the neck
- Mouth is closed and lips are together
- Both ears should be equally visible
- Vertical midline of the face should be in the center of the frame
- Auto focus on the eye (left or right)

INSTRUCTIONS for the patient:

- Look straight into the lens
- Keep your mouth closed and lips together
- Do not smile

USEFUL for:

- Face symmetry analysis



Equipment:

Camera: DSLR  
Lens: Macro 105 mm  
Flash: External Recommended  
or Dual Flash on the bracket



Accessories:

Uniform background  
(black, grey, white)



Mode:

Aperture Priority  
or Manual  
Aperture: f/11  
Shutter Speed: 1/60 – 1/250  
ISO: 100 – 400  
Focus: AF  
Focus Mode: Single Point AF  
White Balance: Flash / 5,500 K  
File Format: RAW + jpg



Magnification:

1 : 10 (Full Frame Sensor)  
1 : 15 (APSC Sensor)



TIPS:

- Full face from the top of the head to the neck
- Mouth is slightly opened and teeth are apart
- Both ears should be equally visible
- Vertical midline of the face should be in the center of the frame
- Auto focus on the eye (left or right)

INSTRUCTIONS for the patient:

- Look straight into the lens
- Open your mouth slightly and keep the teeth apart
- Stay relaxed, not smiling

USEFUL for:

- Face symmetry analysis
- Tooth display in the rest position



Equipment:

Camera: DSLR  
Lens: Macro 105 mm  
Flash: External Recommended  
or Dual Flash on the bracket



Accessories:

Uniform background  
(black, grey, white)



Mode:

Aperture Priority  
or Manual  
Aperture: f/11  
Shutter Speed: 1/60 – 1/250  
ISO: 100 – 400  
Focus: AF  
Focus Mode: Single Point AF  
White Balance: Flash / 5,500 K  
File Format: RAW + jpg



Magnification:

1 : 10 (Full Frame Sensor)  
1 : 15 (APSC Sensor)



TIPS:

- Full face from the top of the head to the neck
- Full, natural smile
- Both ears should be visible in the same way
- Vertical midline of the face should be in the center of the frame
- Auto focus on the eye (left or right)

INSTRUCTIONS for the patient:

- Look straight into the lens
- Smile at me, full natural smile with "EEEEEE" sound

USEFUL for:

- Face symmetry analysis
- Tooth display in the full smile
- Smile analysis

# DENTAL PHOTO MASTER

Portrait

45° Right Profile / Not Smiling



#### Equipment:

Camera: DSLR  
Lens: Macro 105 mm  
Flash: External Recommended  
or Dual Flash on the bracket



#### Accessories:

Uniform background  
(black, grey, white)



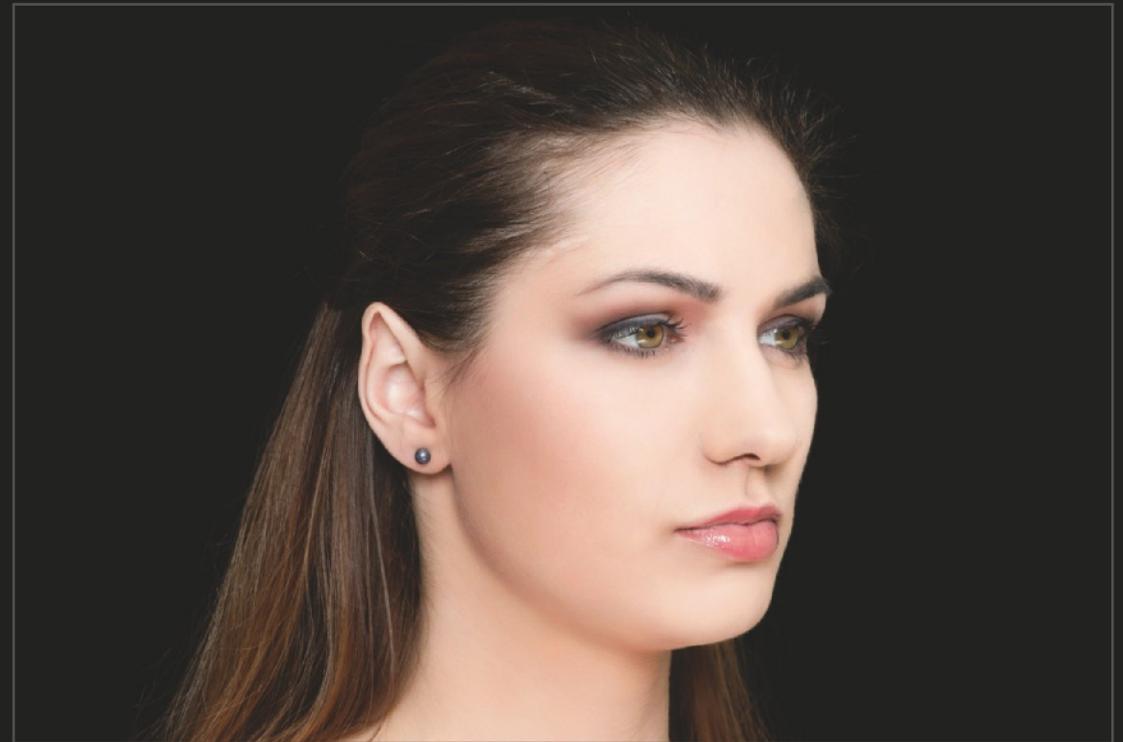
#### Mode:

Aperture Priority  
or Manual  
Aperture: f/11  
Shutter Speed: 1/60 – 1/250  
ISO: 100 – 400  
Focus: AF  
Focus Mode: Single Point AF  
White Balance: Flash / 5,500 K  
File Format: RAW + jpg



#### Magnification:

1 : 10 (Full Frame Sensor)  
1 : 15 (APSC Sensor)



#### TIPS:

- Full face from the top of the head to the neck
- Mouth is closed and lips are together
- Right ear should be visible
- Patient should look straight ahead
- Auto focus on the right eye

#### INSTRUCTIONS for the patient:

- Look straight ahead
- Keep your mouth closed and lips together
- Do not smile

#### USEFUL for:

- 45° right profile analysis

# DENTAL PHOTO MASTER

Portrait

45° Right Profile / Mouth Open



#### Equipment:

Camera: DSLR  
Lens: Macro 105 mm  
Flash: External Recommended  
or Dual Flash on the bracket



#### Accessories:

Uniform background  
(black, grey, white)



#### Mode:

Aperture Priority  
or Manual  
Aperture: f/11  
Shutter Speed: 1/60 – 1/250  
ISO: 100 – 400  
Focus: AF  
Focus Mode: Single Point AF  
White Balance: Flash / 5,500 K  
File Format: RAW + jpg



Magnification: 1 : 10 (Full Frame Sensor)  
1 : 15 (APSC Sensor)



#### TIPS:

- Full face from the top of the head to the neck
- Mouth is slightly opened and teeth are apart
- Right ear should be visible
- Patient should look straight ahead
- Auto focus on the right eye

#### INSTRUCTIONS for the patient:

- Look straight ahead
- Open your mouth slightly and keep the teeth apart
- Stay relaxed, not smiling

#### USEFUL for:

- 45° right profile analysis
- Tooth display in the rest position
- Smile analysis

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## 45° Right Profile / Full Smile



### Equipment:

Camera: DSLR  
Lens: Macro 105 mm  
Flash: External Recommended  
or Dual Flash on the bracket



### Accessories:

Uniform background  
(black, grey, white)



### Mode:

Aperture Priority  
or Manual  
Aperture: f/11  
Shutter Speed: 1/60 – 1/250  
ISO: 100 – 400  
Focus: AF  
Focus Mode: Single Point AF  
White Balance: Flash / 5,500 K  
File Format: RAW + jpg



### Magnification:

1 : 10 (Full Frame Sensor)  
1 : 15 (APSC Sensor)



### TIPS:

- Full face from the top of the head to the neck
- Full, natural smile
- Right ear should be visible
- Auto focus on the right eye

### INSTRUCTIONS for the patient:

- Look straight ahead
- Full smile with "EEEEEE" sound

### USEFUL for:

- 45° right profile analysis
- Tooth display in the full smile

# DENTAL PHOTO MASTER

Portrait

90° Right Profile / Not Smiling



#### Equipment:

Camera: DSLR  
Lens: Macro 105 mm  
Flash: External Recommended  
or Dual Flash on the bracket



#### Accessories:

Uniform background  
(black, grey, white)



#### Mode:

Aperture Priority  
or Manual  
Aperture: f/11  
Shutter Speed: 1/60 – 1/250  
ISO: 100 – 400  
Focus: AF  
Focus Mode: Single Point AF  
White Balance: Flash / 5,500 K  
File Format: RAW + jpg



#### Magnification:

1 : 10 (Full Frame Sensor)  
1 : 15 (APSC Sensor)



#### TIPS:

- Full face from the top of the head to the neck
- Mouth is closed and lips are together
- Right ear should be visible
- Patient should look straight ahead
- Auto focus on the right eye

#### INSTRUCTIONS for the patient:

- Look straight ahead
- Keep your mouth closed and lips together
- Do not smile

#### USEFUL for:

- 90° right profile analysis

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90° Right Profile / Mouth Open



#### Equipment:

Camera: DSLR  
Lens: Macro 105 mm  
Flash: External Recommended  
or Dual Flash on the bracket



#### Accessories:

Uniform background  
(black, grey, white)



#### Mode:

Aperture Priority  
or Manual  
Aperture: f/11  
Shutter Speed: 1/60 – 1/250  
ISO: 100 – 400  
Focus: AF  
Focus Mode: Single Point AF  
White Balance: Flash / 5,500 K  
File Format: RAW + jpg



#### Magnification:

1 : 10 (Full Frame Sensor)  
1 : 15 (APSC Sensor)



#### TIPS:

- Full face from the top of the head to the neck
- Mouth is slightly opened and teeth are apart
- Right ear should be visible
- Patient should look straight ahead
- Auto focus on the right eye

#### INSTRUCTIONS for the patient:

- Look straight ahead
- Open your mouth slightly and keep the teeth apart
- Stay relaxed, not smiling

#### USEFUL for:

- 90° right profile analysis
- Tooth display in the rest position
- Smile analysis

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90° Right Profile / Full Smile



#### Equipment:

Camera: DSLR  
Lens: Macro 105 mm  
Flash: External Recommended  
or Dual Flash on the bracket



Accessories: Uniform background  
(black, grey, white)



Mode: Aperture Priority  
or Manual  
Aperture: f/11  
Shutter Speed: 1/60 – 1/250  
ISO: 100 – 400  
Focus: AF  
Focus Mode: Single Point AF  
White Balance: Flash / 5,500 K  
File Format: RAW + jpg



Magnification: 1 : 10 (Full Frame Sensor)  
1 : 15 (APSC Sensor)



#### TIPS:

- Full face from the top of the head to the neck
- Full, natural smile
- Right ear should be visible
- Auto focus on the right eye

#### INSTRUCTIONS for the patient:

- Look straight ahead
- Full smile with "EEEEEE" sound

#### USEFUL for:

- 90° right profile analysis
- Tooth display in the full smile
- Smile analysis

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