

**Carlos A. Ayala Paz**

Dental Surgeon

COP: 13699

Specialist in Orthodontics

Certified RNE COP: 398

June, 08 1977

Peruvian

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Dental surgeon (1)

Orthodontist (3) and Master in Stomatology with mention in Orthodontics at the Peruvian University Cayetano Heredia (3)

ALADO award winner in 2003 (Latin American Orthodontic Association).

Creator of From Macro to Micro photo\_course for comprehensive management of photography and dental macro-photography since 2013





**Academic Training:**

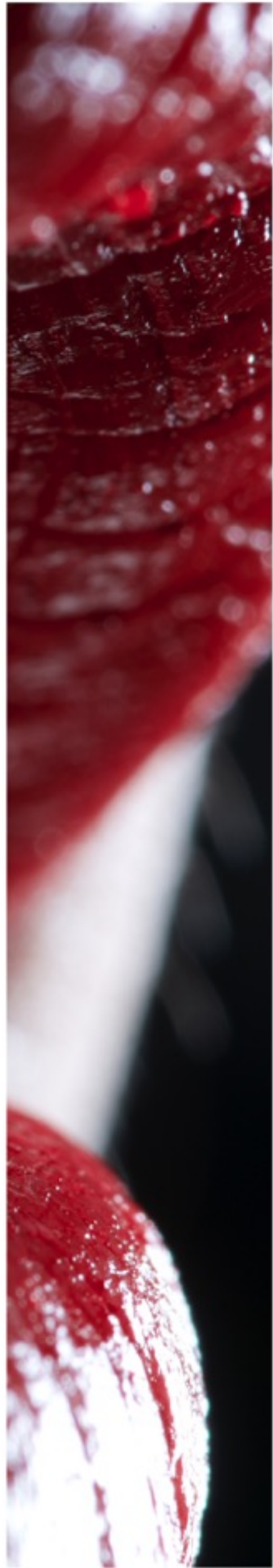
1. San Martín de Porres University  
Faculty of Dentistry: 1994-2000
2. Cayetano Heredia University  
Specialization in Orthodontics: 2002 - 2005
3. Cayetano Heredia University  
Master in Stomatology with mention in Orthodontics : 2010 – 2012



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FROM  
MACRO  
TO  
MICRO





**From Macro to Micro  
has been successfully performed over 60 times in 17 countries:**

1. Cuenca - Ecuador: August 24-25 2013
2. Lima - Perú: June 1-2 2013
3. Lima - Perú: September 27-28 2013
4. São Paulo - Brazil: October 18-19 2013
5. São Paulo - Brazil: October 21-22 2013
6. San José - Costa Rica: November 8-9 2013
7. Caracas - Venezuela: November 20-24 2013
8. Rosario - Argentina: December 6-7 2013
9. Morelia - México: February 21- 22 2014
10. León - México: February&March 28-1 2014
11. Lima - Perú: March 28-29 2014
12. Monterrey - México: April 3-4 2014
13. Orlando - Florida: May 2 2014
14. Madrid - Spain: May 9-10 2014
15. Panama City - Panama: July 16-17 2014
16. Buenos Aires - Argentina: August 21-22 2014
17. St. Petersburg - Russia: September 22-23 2014
18. Moscow - Russia: September 25-26 2014
19. São Paulo - Brazil: October 14-15 2014
20. São Paulo - Brazil: October 17-18 2014



*Avioli*

# FROM MACRO TO MICRO 2015

2 DAY PHOTO-COURSE

BUENOS AIRES - ARGENTINA: JULY 19-20  
QUITO - ECUADOR: JULY 24-25  
BOGOTA - COLOMBIA: AUGUST 7-8  
MOSCOW - RUSSIA: OCTOBER 1-2  
VILNIUS - LITHUANIA: OCTOBER 9-10  
CIUDAD DE GUATEMALA - GUATEMALA: OCTOBER 16-17  
LATACUNGA - ECUADOR: OCTOBER 28-29  
COCHABAMBA - BOLIVIA: NOVEMBER 6-7  
AREQUIPA - PERU: NOVEMBER 13-14  
CAMPO GRANDE - BRASIL: NOVEMBER 25-26  
RIO DE JANEIRO - BRASIL: DECEMBER 2-3  
RIO DE JANEIRO - BRASIL: DECEMBER 3-4

LEON - MEXICO: JANUARY 23-24  
MORELIA I - MEXICO: JANUARY 28-29  
MORELIA II - MEXICO: JANUARY 30-31  
LIMA - PERU: FEBRUARY 21-22  
LIMA - PERU: MARCH 28-29  
SAINT PETERSBURG - RUSSIA: APRIL 9-10  
EKATERINBURG - RUSSIA: APRIL 12-13  
STAVROPOL - RUSSIA: APRIL 16-17  
MOSCOW - RUSSIA: APRIL 19-20  
BOGOTA - COLOMBIA: MAY 15-16  
MOSCOW - RUSSIA: OCTOBER  
SAO PAULO - BRASIL: MAY 25-26  
SAO PAULO - BRASIL: MAY 29-30  
SOPOT - POLAND: JUNE 6-7  
VILNUS - LITHUANIA: JUNE 12-13  
BARCELONA - SPAIN: JUNE 19-20  
MALAGA - SPAIN: JUNE 22-23



21. León - Mexico: 23-24 January 2015
22. Morelia (1st group) - Mexico: 28-29 January 2015
23. Morelia (2nd group) - Mexico: 30-31 January 2015
24. Lima - Perú: 21-22 February 2015
25. Lima - Perú: 28-29 March 2015
26. St. Petersburg - Russia: April 9-10 2015
27. Ekaterimburg - Russia: April 12-13 2015
28. Stavropol - Russia: April 16-17 2015
29. Moscú - Russia: April 19-20 2015
30. Bogotá - Colombia: May 15-16 2015
31. Sao Paulo - Brazil: May 25-26 2015
32. Sao Paulo - Brazil: May 29-30 2015
34. Sopot - Poland: June 6-7 2015
35. Vilnius - Lithuania: June 12-13 2015
36. Barcelona - Spain: June 19-20 2015
37. Malaga - Spain: June 22-23 2015
38. Buenos Aires - Argentina: July 19-20 2015
39. Quito - Ecuador: July 24-25 2015
40. Bogota - Colombia: August 7-8 2015







FROM MACRO  
TO  
MICRO  
2016

2 DAY PHOTO-COURSE

CAMPO GRANDE - BRASIL: JULY 21-22  
BELEN - BRASIL: JULY 25-26  
FORTALEZA - BRASIL: JULY 29-30  
CULIACAN - MEXICO: AUGUST 6-7  
LEON - MEXICO: AUGUST 12-13  
PATZCUARO - MEXICO: AUGUST 16-17  
LOS ALGODONES - MEXICO: AUGUST 19-20  
ASUNCION - PARAGUAY: SEPTEMBER 9-10  
PORTO - PORTUGAL: SEPTEMBER 16-17  
SAN JUAN - PUERTO RICO: OCTOBER 7-8  
LA PAZ - BOLIVIA: OCTOBER 15-16  
NATAL - BRASIL(SBOE CONGRESS): NOVEMBER 16-19

CUERNAVACA - MEXICO: JANUARY 22-23  
DF - MEXICO: JANUARY 26-27  
MAZATLAN - MEXICO: JANUARY 29-30  
BARCELONA - ESPAÑA: FEBRUARY 18-19  
TEL AVIV - ISRAEL: FEBRUARY 25-26  
TEL AVIV - ISRAEL: FEBRUARY 26-27  
SAO PAULO - BRASIL: MARCH 14-15  
BRASILIA - BRASIL: MARCH 23-24  
RIO - BRASIL: MARCH 28-29  
LIMA - PERU (MEGATEC CONGRESS): APRIL 14-16  
LIMA - PERU: MAY 24-25  
BUENOS AIRES - ARGENTINA: JUNE 10-11





41. Moscow - Russia: October 1-2 2015
42. Vilnius - Lithuania: October 9-10 2015
43. Ciudad de Guatemala - Guatemala: October 16-17 2015
44. Latacunga - Ecuador: October 28-29 2015
45. Cochabamba - Bolivia: November 6-7 2015
46. Arequipa - Perú: November 13-14 2015
47. Campo Grande - Brazil: December 25-26 2015
48. Rio de Janeiro - Brazil: December 2-3 2015
49. Rio de Janeiro - Brazil: December 3-4 2015
50. Cuernavaca - México: January 22-23
51. Ciudad de México - México: January 26-27
52. Mazatlán - México: January 29-30
53. Barcelona - Spain: February 18-19
54. Tel Aviv - Israel: February 25-26
55. Tel Aviv - Israel: February 26-27
56. Sao Paulo - Brazil: March 14-15
57. Brasilia - Brazil: March 23-24
58. Rio de Janeiro - Brazil: March 28-29
59. Lima - Perú (Megatec Congress): April 14-16





Is scheduled in 2016:

60. Buenos Aires - Argentina: June 10-11
61. Lima - Perú: June 25-26
62. Campo Grande - Brazil: July 21-22
63. Belen - Brazil: July 25-26
64. Fortaleza - Brazil: July 29-30
65. Culiacán - México: August 6-7
66. León - México: August 12-13
67. Pátzcuaro - México: August 16-17
68. Los Algodones - México: August 19-20
69. Asunción - Paraguay: September 9-10
70. Porto - Portugal: September 16-17
71. San Juan - Puerto Rico: October 7-8
72. La Paz - Bolivia: October 15-16
73. Natal - Brazil(SBOE Congress): November 16-19







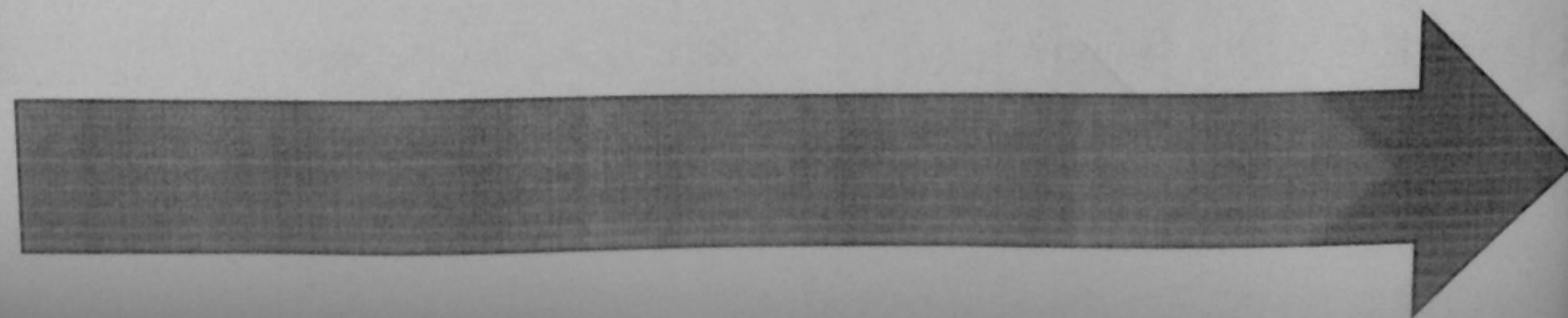




"От макро до микро"

мастер-класс по дентальной

фотосъемке









## **Part I:**

### **Standardizing Concepts**

- General Theory of Photography:

Ideal management for dental macro photography.

- Presentation of photographic equipment:  
Cameras, lenses, flashes and accessories.

- Compatibility, cost and benefit.
- Adaptations for more macro.









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## **Part II:**

### **Portrait and macro-photography for smile with SLR cameras and smartphones**

- Lighting and technique with continuous light and flashes.
  - Management of light modifiers.
  - Capture lips in artistic mode.









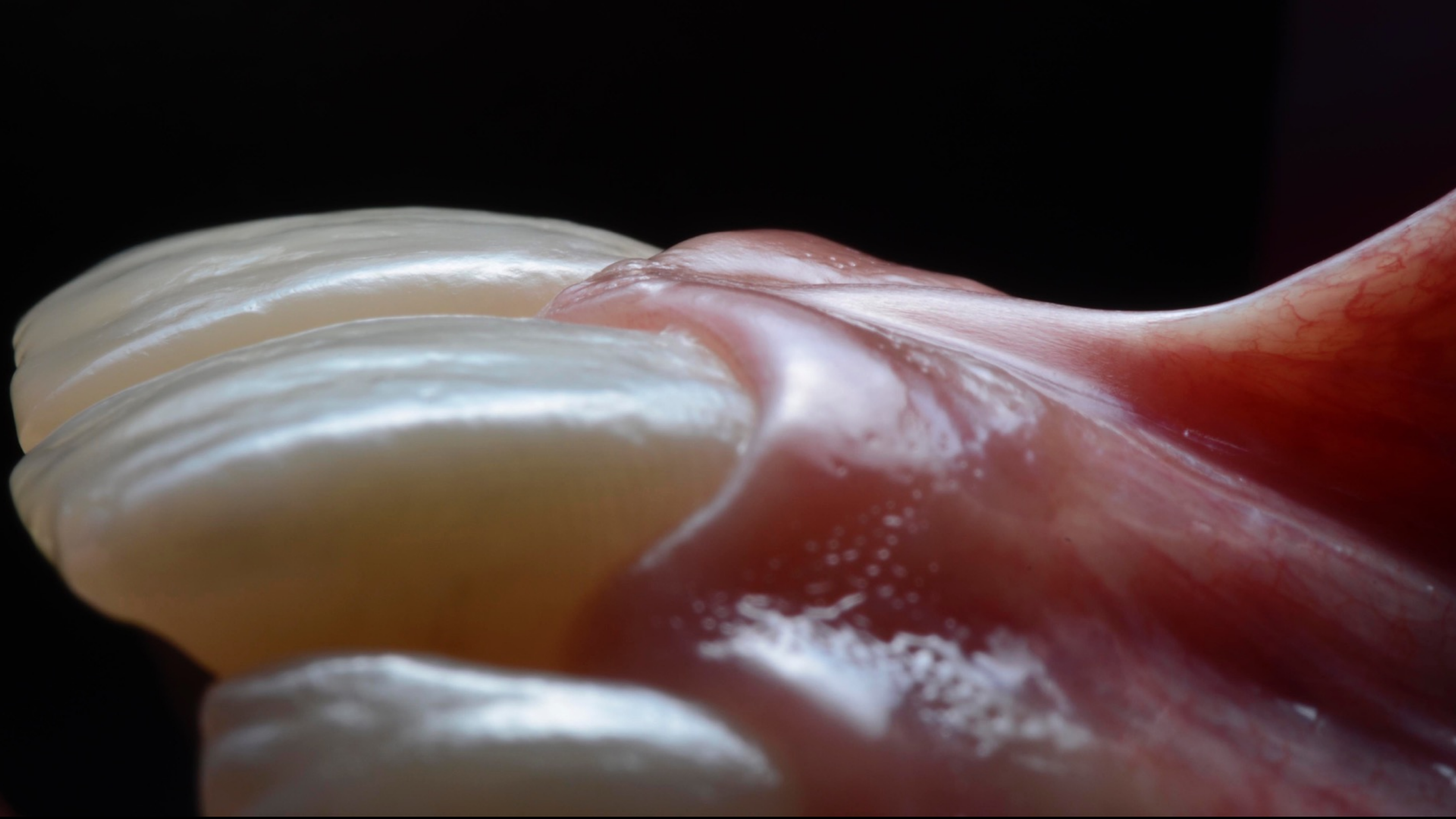














## **Part III:**

### **Dental Macro-photography with smartphones and SLR cameras**

- Management of macro-flashes and light modifiers.
- Shade communication between clinic and laboratory.
  - Capture of the microtexture and optical effects.
- Dental photography from life-size 1: 1 (1x) to 3:1 (3x).





















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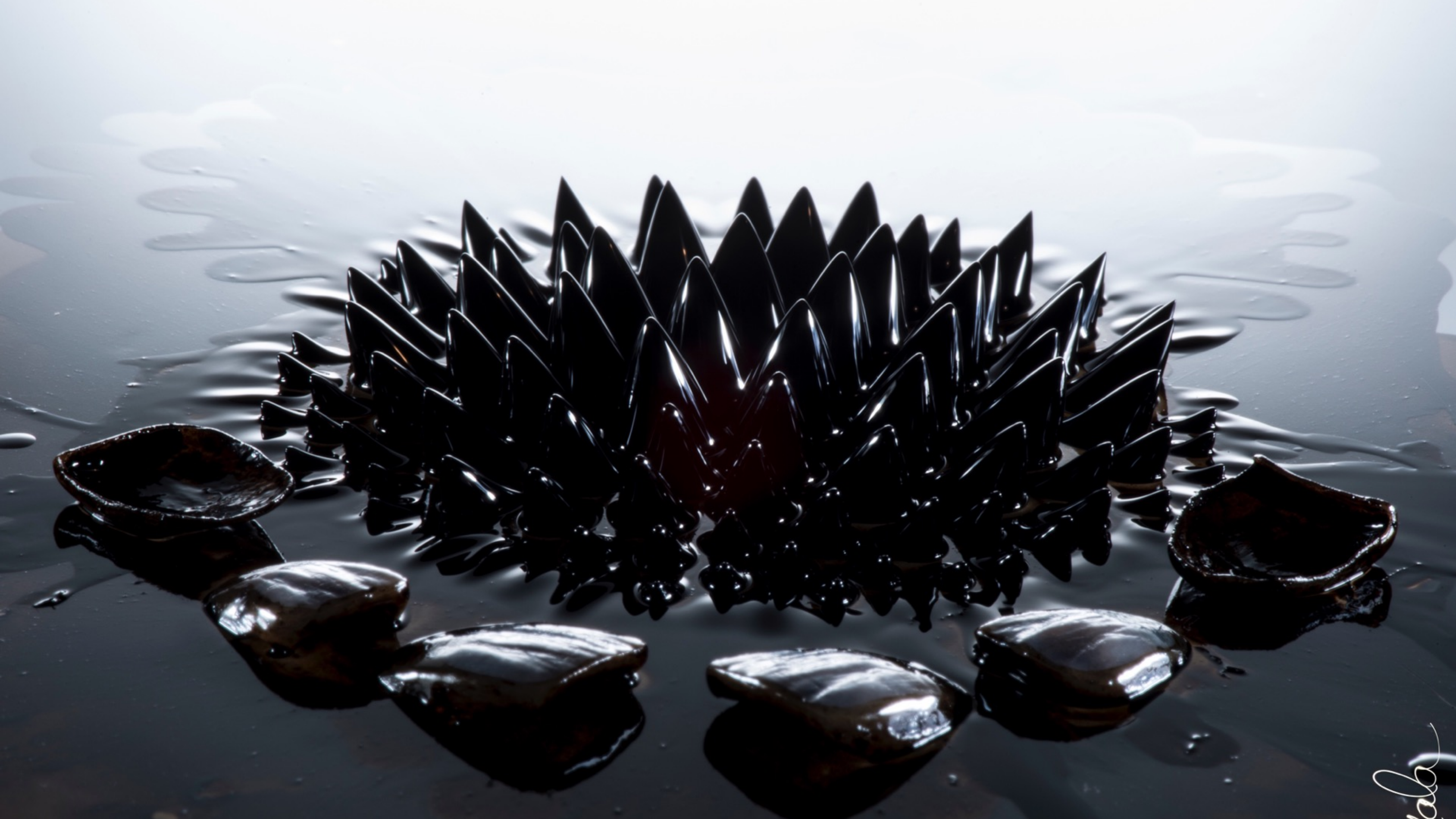
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## **Part IV.**

### **Photography for the laboratory:**

**Setup for SLR cameras and smartphones**

**Micro-photography with focus-stacking**

**Cross polarization**

**Digital image management**

- Macro-photography in the dental laboratory:  
capture of ceramic and metal small elements.
  - Birefringence of enamel: Light and filters









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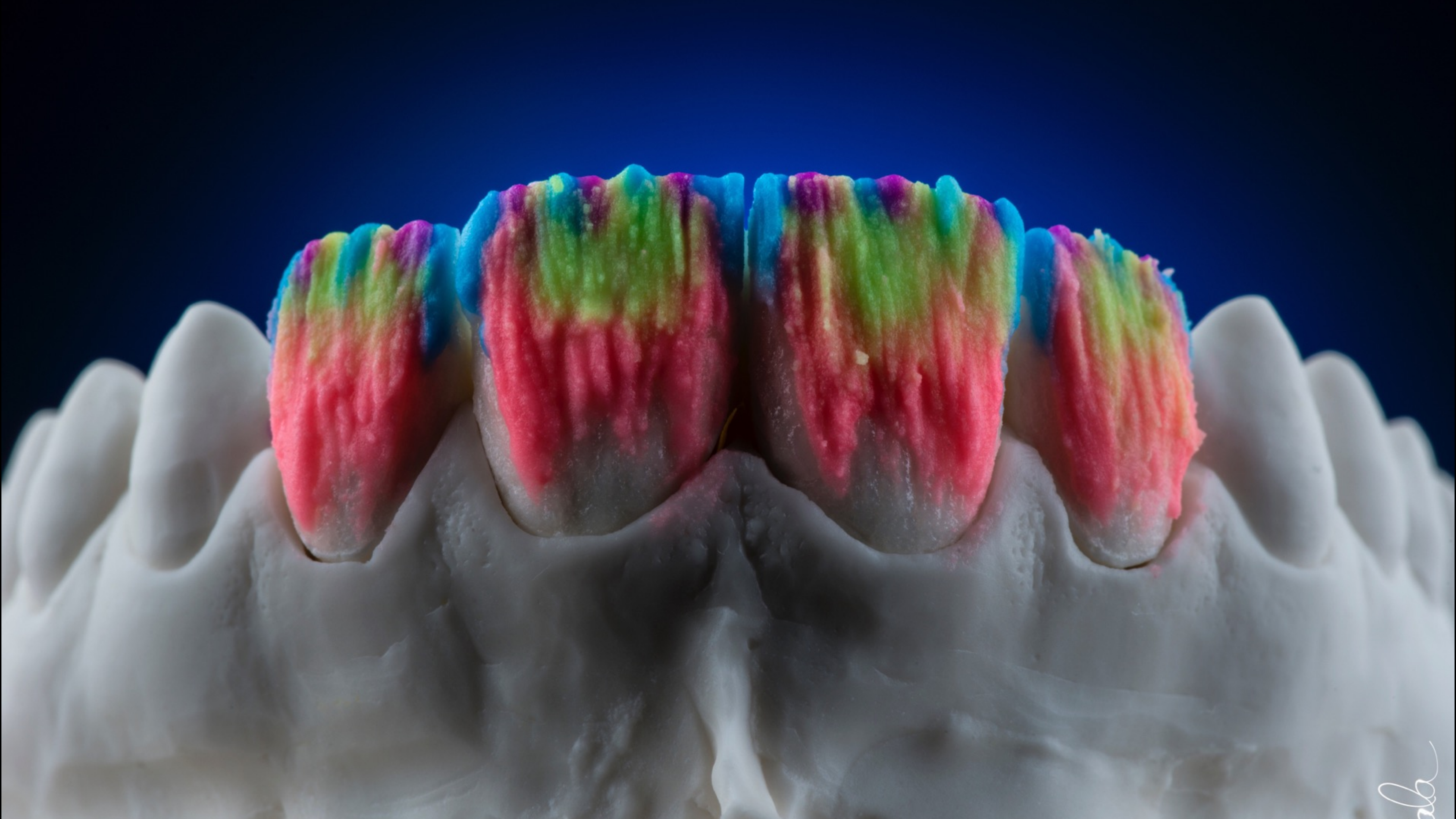






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## **Duration of the course**

Sixteen hours spread over two days.





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## Equipment requirements \*:

SLR digital camera with blank card

Lip separators

Photographic mirrors - rhodium plated

Black contrasters.

Tripod.

External flashes: Ring, speedlight or twin.

The course provides 3 high-power external flash units.



6:1

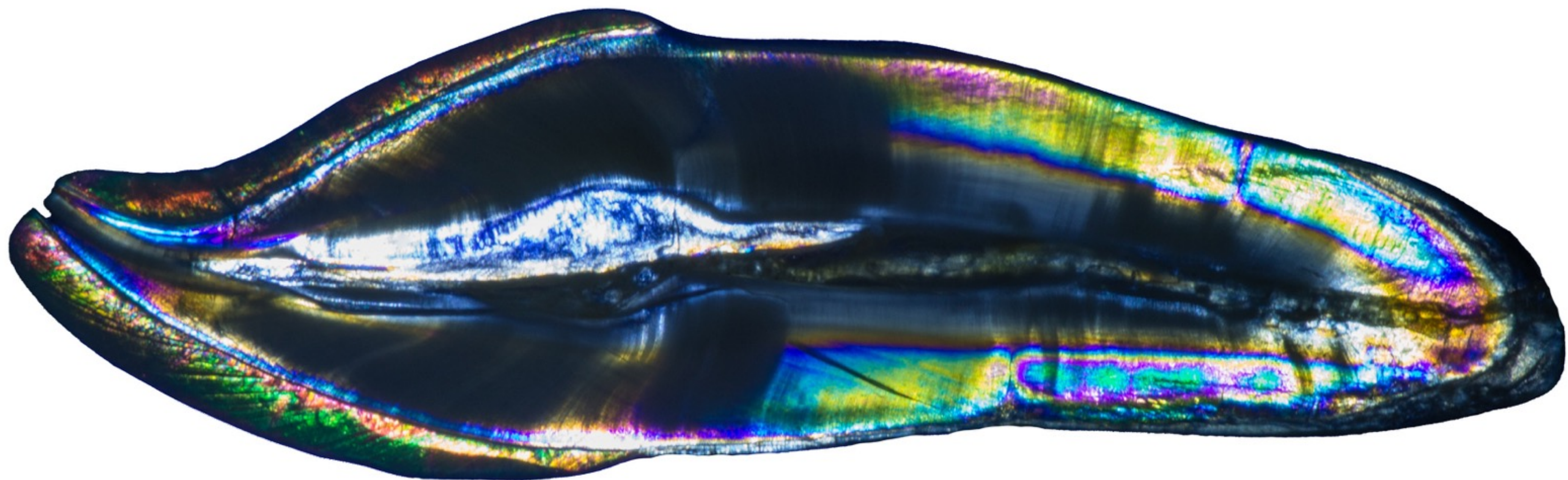
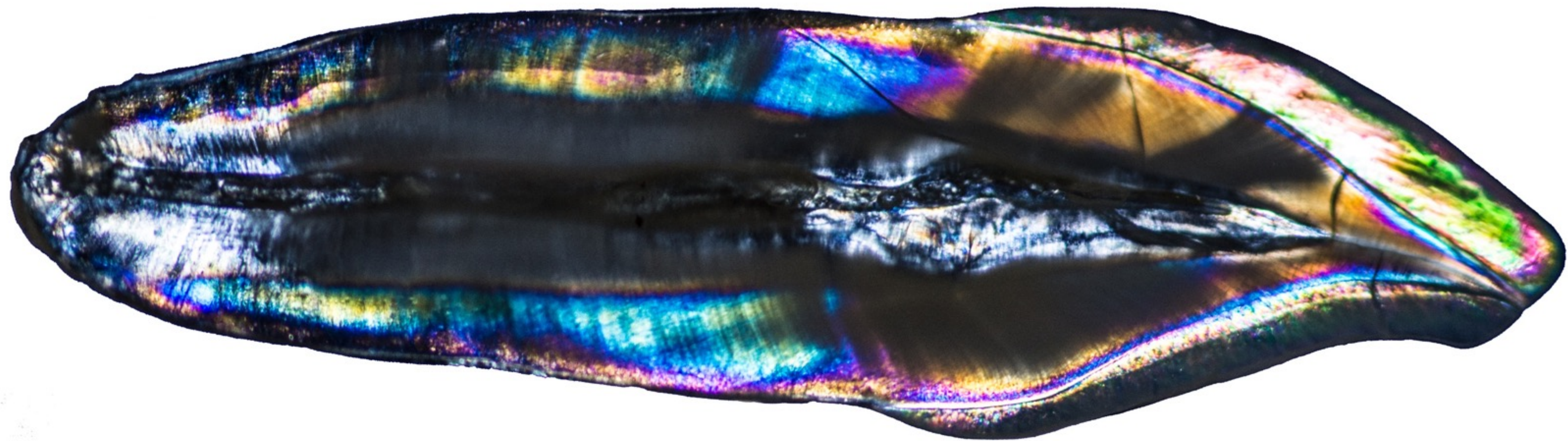




***\* The requirements are not exclusive, participants who do not have camera or equipment***

***They are free to take the course to know the monetary value and utility, so they can choose the equipment that meets your technical needs.***

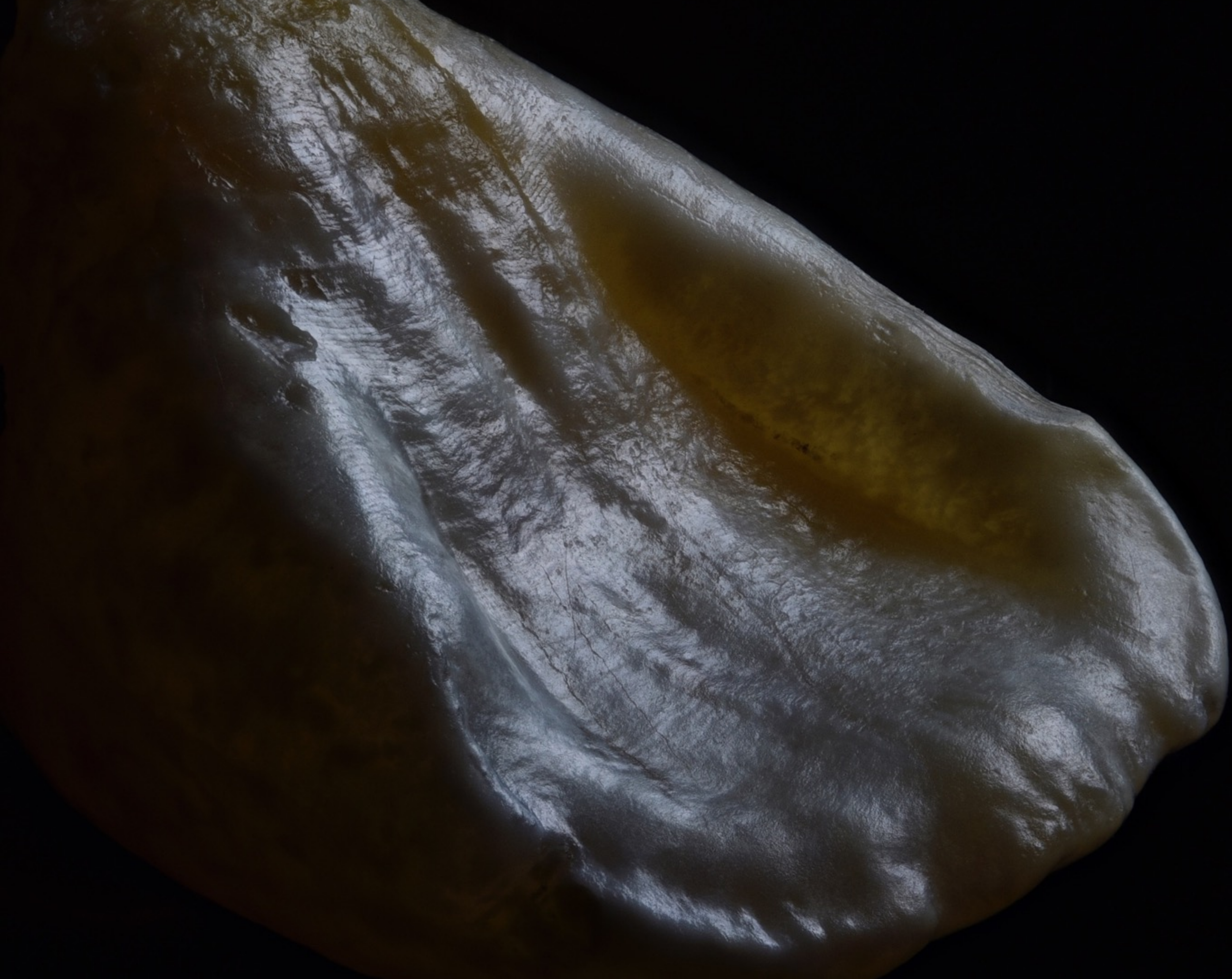




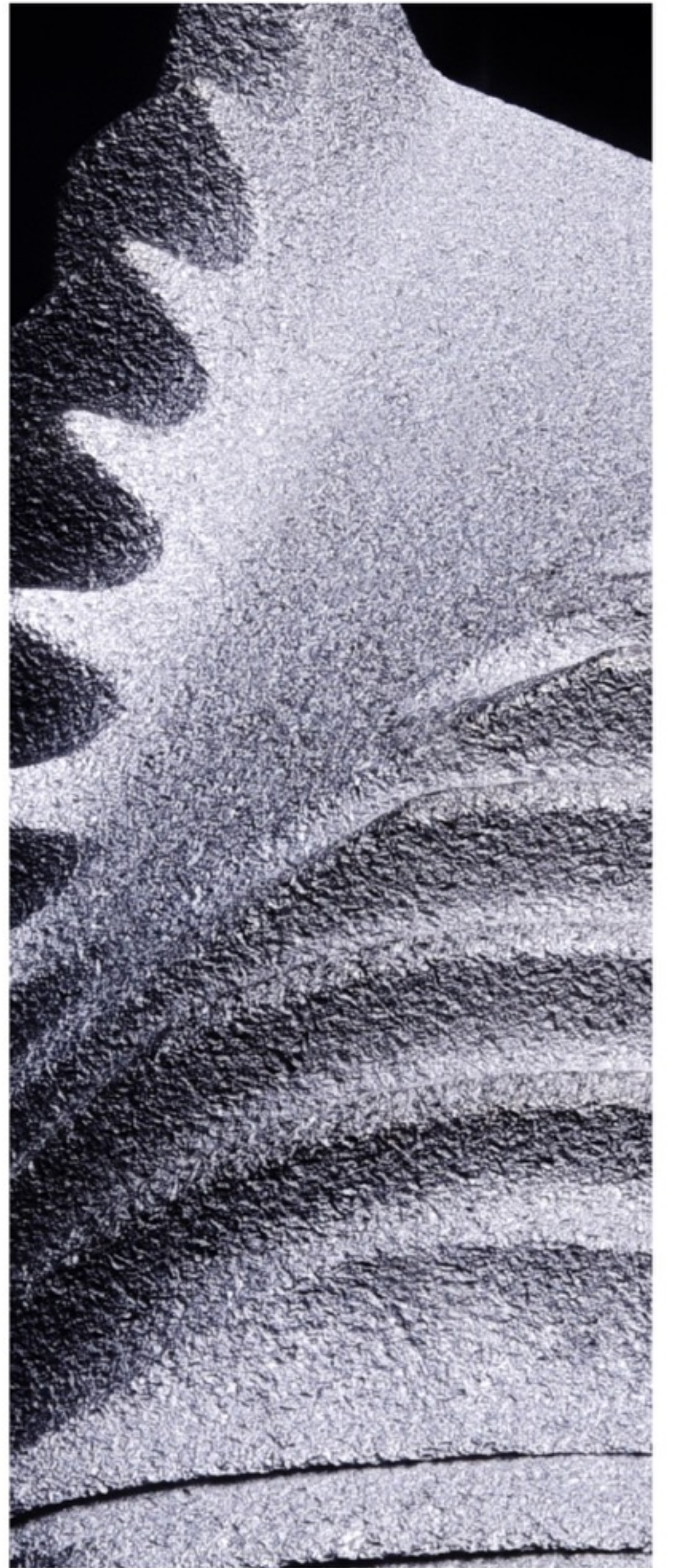
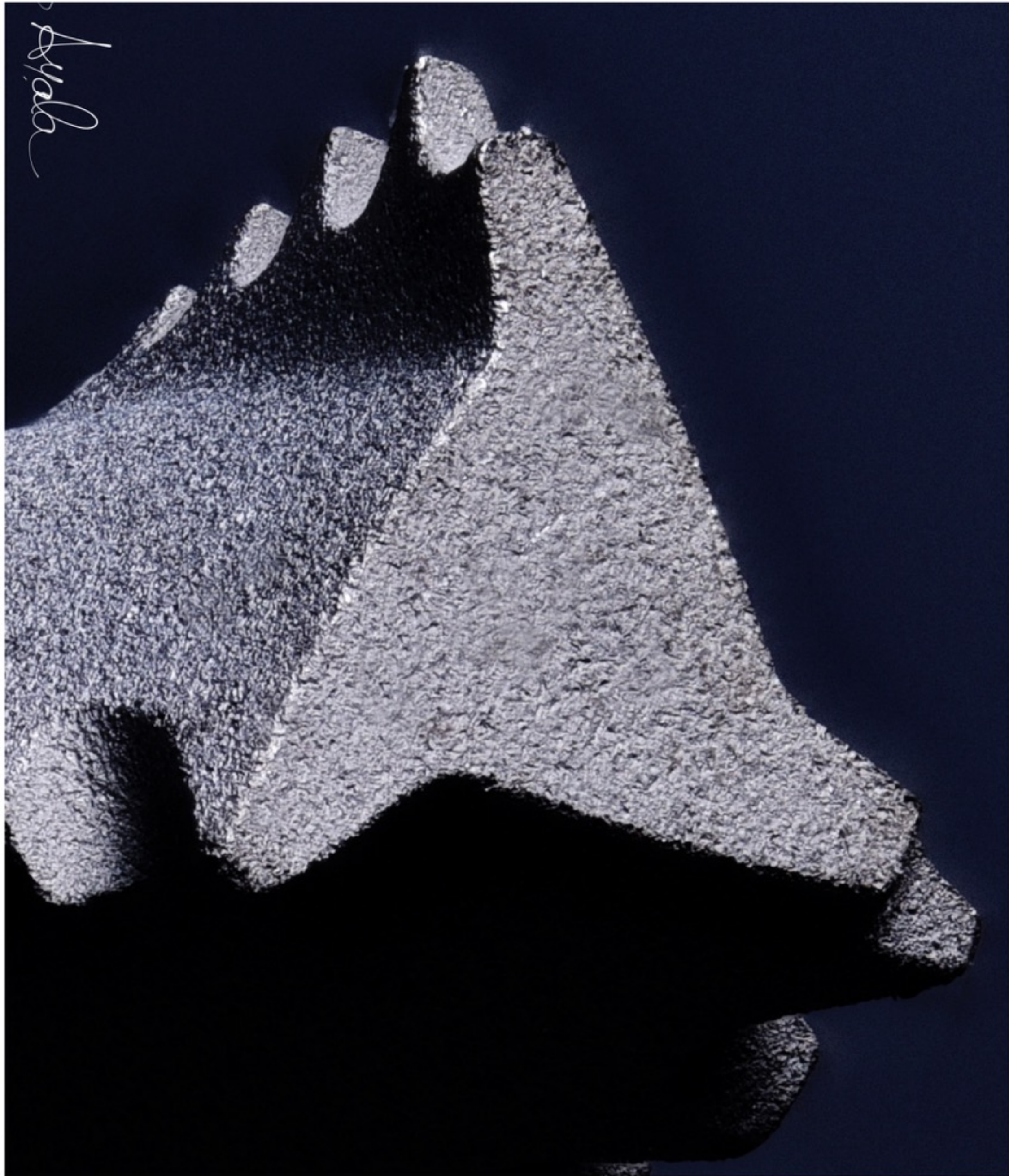


















Carlos Ayala