

Unit of Restorative and Endodontics
Dir. Prof. Camillo D'Arcangelo
Dept. of Medical, Oral and
Biotechnological Science,
University of Chieti



16th JAT

2019/2020

**ANATOMIC AND
CHROMATIC RESTORATION
OF NATURAL TOOTH
FOLLOWING FIVE
DIMENSIONS OF COLOR**

Lorenzo Vanini

JULES ALLEMAND TROPHY
INTERNATIONAL
STUDENTS
CHAMPIONSHIP

Organized by



SHORT HISTORY

...Remembering Jules Allemand, charismatic person who propagated several international innovations in dentistry and founded Micerium company, met Lorenzo Vanini in 1993 and the story started...

- the international competition among university students was born in 2004
- on base of exact protocol of Lorenzo Vanini – ideal content for the lessons in conservative dentistry
- from 2016-2017 edition the Trophy is organized by non profit association named Insieme Z.S., which will in the future benefit important European funds to realize and organize the whole project.

The “anatomic stratification technique” and “chromatic chart” by Lorenzo Vanini, recognized all over the world as **5 DIMENSIONS OF COLOUR FOR CONSERVATIVE RESTORATION OF TOOTH**, was documented by Lorenzo Vanini in the book Conservative restorations of anterior teeth (ACME editor – 2001).

These two topic of Lorenzo Vanini were included into European universities programs (obligatory and facultative) thanks to Jules Allemand Trophy.

This unique worldwide project was realized thanks to the contribution of University “G. D’Annunzio” of Chieti, Italy in cooperation with Departement of conservative dentistry and endodontics leaded by prof. Camillo D’Arcangelo and Prof. Sergio Caputi. The university hosts the Jules Allemand Trophy since many years for the final selection event and since the beginning is awarding the winner with 3 months of stage at the university in the Department of conservative dentistry and endodontics.

Nowadays Jules Allemand Trophy indicates the participation of big number of European and Italian universities which entered to the project in the past years:

- Albania - Bulgaria - Czech Republic - Denmark - Estonia - France - Georgia - Germany - Greece - Holland -Hungary - Kazakhstan - Latvia - Lithuania - Poland - Portugal - Romania - Russia - Slovakia - Spain - Turkey - Ukraine;
- Italy: Cagliari - Chieti - Genova - Ferrara - Milano - Modena - Napoli - Palermo - Parma - Pavia - Pisa - Sassari - Torino.

Unique sponsor of the project is Micerium S.p.A which is supporting since the beginning all the activities making possible it’s continuity.

Jules Allemand Trophy is continuing to grow exponentially giving attention especially to the value of sane principals of competition linked to professionalism underlining the importance of friendship between different cultures starting from the world of University.



Jules Allemand Trophy



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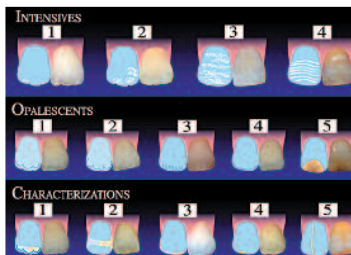
Jana Dostalova

Founder of Jules Allemand Trophy

MODULE 1

COLOUR SELECTION COLOUR SELECTION

THE FIVE DIMENSIONS OF COLOUR



- ▶ Body colour selection/chromaticity
- ▶ Enamel colour selection/value
- ▶ Intensives
- ▶ Opalescence
- ▶ Characterizations (individual characteristics)

CHROMATIC CHART BY LORENZO VANINI

CRITERIA OF EVALUATION CRITERIA OF EVALUATION

- ▶ Colour analysis
- ▶ Chromatic chart filling

MODULE 2

ANTERIOR TOOTH BUILD UP

- ▶ Silicone matrix (key)
- ▶ Build up of palatal enamel wall (UE)
- ▶ Build up of dentine body with one/two chromaticities (UD)
- ▶ Characterization of incisal area (OBN) - optional
- ▶ Characterization of intensive white areas (IWS) - optional
- ▶ Build up of vestibular layer enamel (UE)
- ▶ Post-polymerization
- ▶ Finishing: macro and micro morphology (COSSHIN413, Burs)
- ▶ Polishing with diamond pastes (COSSHIN4A, COSSHIN4B)
- ▶ Final polishing with aluminium oxide paste (COSSHIN4C)

STEP BY STEP
STEP BY STEP

ANATOMIC STRATIFICATION TECHNIQUE BY LORENZO VANINI

CRITERIA OF EVALUATION
CRITERIA OF EVALUATION

Clinical case by Lorenzo Vanini

- ▶ Performance of silicone matrix
- ▶ Reproduction of chromaticity
- ▶ Value determination
- ▶ Natural reproduction of intensive and opalescence
- ▶ Relationship between dentine and enamel
- ▶ Reproduction of macro morphology
- ▶ Reproduction of natural microtexture (micro morphology)
- ▶ Finishing and polishing of surface imitating the age

MODULE 3

POSTERIOR TOOTH BUILD UP

- ▶ Enamel walls build up (BF)
- ▶ Internal dentine body build up (BD)
- ▶ Occlusal enamel layer build up (BF)
- ▶ Mechanical finishing (BURS)
- ▶ Polishing with diamond pastes (COSSHIN4A, COSSHIN4B)
- ▶ Final polishing with aluminium oxide paste (COSSHIN4C)

STEP BY STEP
STEP BY STEPCRITERIA OF EVALUATION
CRITERIA OF EVALUATION

Clinical case by Camillo D'Arcangelo

- ▶ Colour analysis - chroma, value
- ▶ Choice of masses - dentine, enamel
- ▶ Choice of masses - intensives, characterization
- ▶ Reproduction of anatomy - orienting of cusps according to occlusal function
- ▶ Macro form - contour, incisal margin
- ▶ Micro form - vertical texture, horizontal texture
- ▶ Finishing and polishing of surfaces

CRITERIA OF EVALUATION

CRITERIA OF EVALUATION

CHART

- ▶ Colour analysis
- ▶ Chromatic chart filling

1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

ANTERIOR

- ▶ Performance of silicone matrix
- ▶ Reproduction of chromaticity
- ▶ Value determination
- ▶ Natural reproduction of opalescence
- ▶ Natural reproduction of intensive
- ▶ Anatomy and macroscopic position (shape, outlines, transition line)
- ▶ Reproduction of macro texture - vertical components (contour and incisal margin)
- ▶ Reproduction of micro texture - horizontal components
- ▶ Finishing and polishing of surface

1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

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1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

POSTERIOR

- ▶ Colour analysis - chroma, value
- ▶ Reproduction of anatomy - orienting of cusps according to occlusal function
- ▶ Rifinishing, grooves, characterization of fissure
- ▶ Finishing and polishing of surfaces

1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

1_ 2_ 3_ 4_ 5_

TOTAL _____

1° PHASE UNIVERSITY SELECTION

During the semester at least two theoretic lessons about anatomic stratification technique according Lorenzo Vanini will be held for all the students. Each University will receive all the necessary informations (brochures, chromatic charts, DVD of Dr. Vanini).

At least three-four practical courses for selected/interested students will follow. University will receive the material (Enamel Plus HRi system) necessary for this purpose. During these courses the evaluation will be done by the internal staff and the best student will be chosen, in consideration of knowledge and practical performance.

The name with all the details of the winner has to be communicated within

10th April 2020

to jules.allemand.trophy@gmail.com by email (use the enclosed form).

Important note: The student is allowed to win only once.

2° PHASE (OPTIONAL) NATIONAL SELECTION

(ONLY FOR COUNTRIES WITH MORE UNIVERSITIES PARTICIPATING)

In cooperation with local distributor will be organized national championship day where the winner of each university (competing in the country) will participate. A half day hands-on will be organized and the best work will be evaluated by opinion leader of the country together with the winner of previous year. Tutors are also admitted.

The Meeting will be fixed in the period between **10-04-2020** and **10-05-2020**.

The name of the national best student has to be communicated within **13th May 2020** with all the details to jules.allemand.trophy@gmail.com.

FINAL INTERNATIONAL SELECTION

**UNIVERSITY OF CHIETI** DEPARTMENT OF ORAL SCIENCE
3rd-4th JUNE 2020

The winner of the country is invited together with his tutor to participate.

Important note: The student is allowed to win only once.

Evaluation of works will be made by **Prof. Camillo D'Arcangelo** with his team (www.unidso.it) and **Dr. Lorenzo Vanini**, following the criteria of evaluation.

The expenses of the transport, the hotel and refreshment for all participants will be covered by Sponsor.

Note. All the information concerning the devices to bring for the competition will be communicated within **13th May 2020**.

PRIZE FOR THE WINNER

The winner has the opportunity to be admitted for 3 months stage at the Chieti University, in the department of Oral Science, Restorative Dentistry Section.

The cost of transport and accommodation in Chieti, Italy will be covered by Sponsor.

During the stage the participant will have the possibility to visit for 2 days the laboratory of Daniele Rondoni in Savona as visitor.



AUTHOR OF THE BEST RESTORATION UNIVERSITY ROUND 2019/2020

**ANATOMIC AND CHROMATIC RESTORATION
OF NATURAL TOOTH FOLLOWING
FIVE DIMENSIONS OF COLOR**

2019/2020
AWARD

Name and surname _____

Year of Course _____

Phone number _____ e-mail _____

University _____

Date

Signature of tutor

THIS FORM HAS TO BE SENT WITHIN 10-04-2020

Jana Dostalova

Jules Allemand Trophy

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e-mail: jules.allemand.trophy@gmail.com



AUTHOR OF THE BEST RESTORATION NATIONAL ROUND 2019/2020

**ANATOMIC AND CHROMATIC RESTORATION
OF NATURAL TOOTH FOLLOWING
FIVE DIMENSIONS OF COLOR**

2019/2020
AWARD

Name and surname _____

Year of Course _____

Phone number _____ e-mail _____

University _____

Date

Signature of tutor

THIS FORM HAS TO BE SENT WITHIN 10-05-2020

Jana Dostalova

Jules Allemand Trophy

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16th JULES ALLEMAND TROPHY
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INTERNATIONAL STUDENTS CHAMPIONSHIP

Main Partner



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