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SMILE DESIGN WITH METAL FREE CERAMICS

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Zirconium oxide is currently one of the best material for making a metal free ceramics dental prosthesis. More studies show the exceptional stability and durability of zirconium metal-free ceramics works. Transparency and reflection of light is almost identical to that of natural teeth. Exceptional mechanical, chemical and aesthetic properties are the reason for the widespread use of zirconium in aesthetic dentistry today.

USE OF ZIRCONIA IN DENTISTRY

- ***Zirconia-Based Dental Posts***
- ***Zirconia-Based Crown and Bridge***
- ***Zirconia-Based Implant Abutments***
- ***Zirconia-Based Esthetic Orthodontic Brackets***

ADVANTAGES

- ***DURABILITY***
- ***APPEARANCE***
- ***NON-ALLERGIC***
- ***LESS TOOTH STRUCTURE HAS TO BE REMOVED***

DISADVANTAGES

- ***IT IS HARD TO NOTICE A DECAY UNDER THE CROWN***
- ***REASONABLE PRICE***

CASE ONE





Anamnesis

- ***32 YEARS OLD***
- ***FEMALE***
- ***SMOKER***
- ***NO HISTORY WITH ANY SYSTEMIC DISEASE OR ALLERGY***



Chief complain

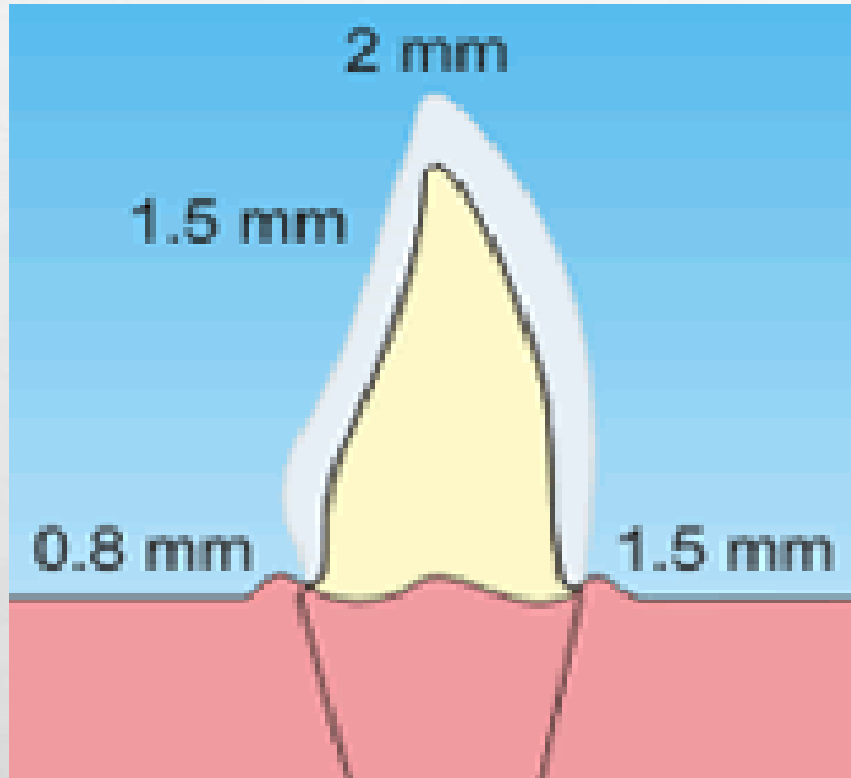
NOT HAPPY WITH HER SMILE AS IT SHOWS DISSATISFACTION WITH SHAPE AND SIZE OF THE ANTERIOR TEETH, DISCOLORED AND ROTATED TEETH

INTRA-ORAL EXSAMINATION

- ***DISCOLORED TEETH 11 AND 12***
- ***LOW SMILE LINE***
- ***DISCOLORED TOOTH FILLINGS***
- ***CARIES ON SOME TEETH***



***THE TEETH WERE PREPARED FOR
METAL FREE CERAMICS CROWN***



TWO-STEPS IMPRESSION



IN THE LAB THE CROWNS WERE FABRICATED



***AFTER TRY-IN THE
CROWNS WERE
CEMENTED WITH
SELF-ADHESIVE
CEMENT***



BEFORE



AFTER



CASE TWO



Anamnesis

- ***25 YEARS OLD***
- ***MALE***
- ***NONSMOKER***
- ***NO HISTORY WITH ANY SYSTEMIC DISEASE OR ALLERGY***



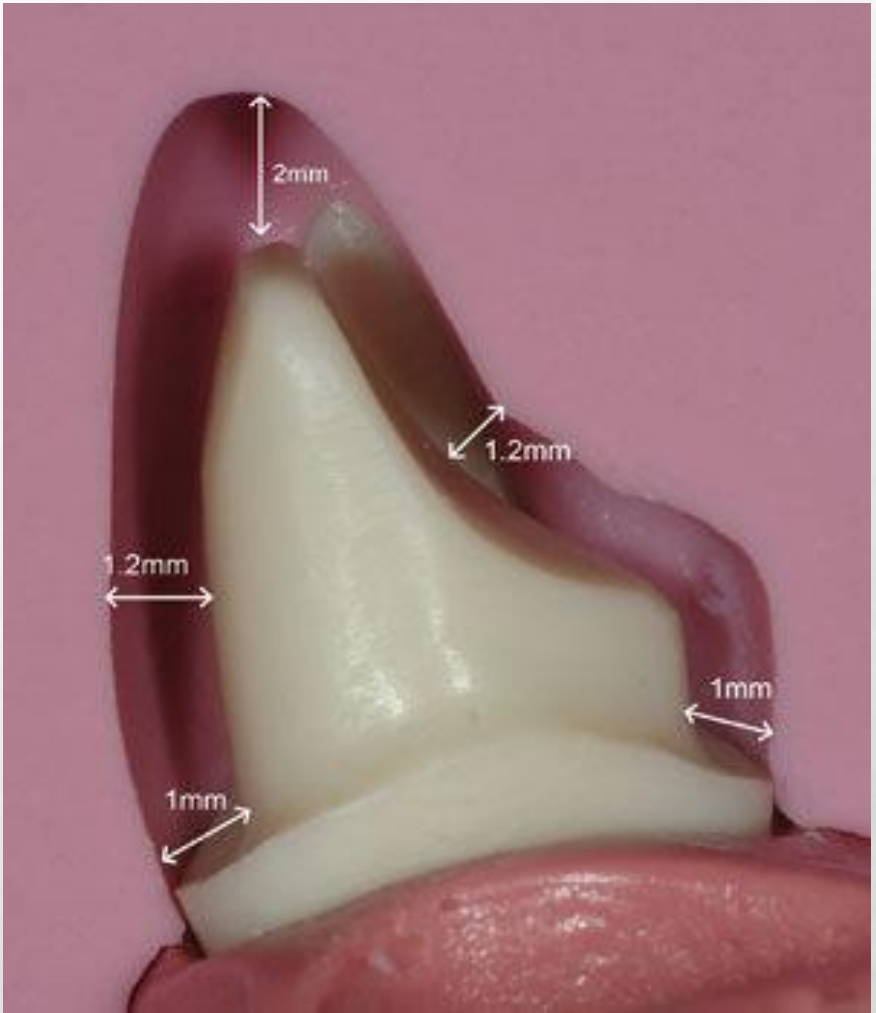
Chief complain

NOT HAPPY WITH HIS SMILE AS IT SHOWS MISSING TOOTH, DISCOLORED TOOTH AND DISSATISFACTION WITH SHAPE AND SIZE OF THE ANTERIOR TEETH

INTRA-ORAL EXSAMINATION

- ***MISSING TOOTH 22***
- ***DISCOLORED TOOTH 12***
- ***LOW SMILE LINE***
- ***CARIES ON SOME TEETH***
- ***DISCOLORED TOOTH
FILLINGS***





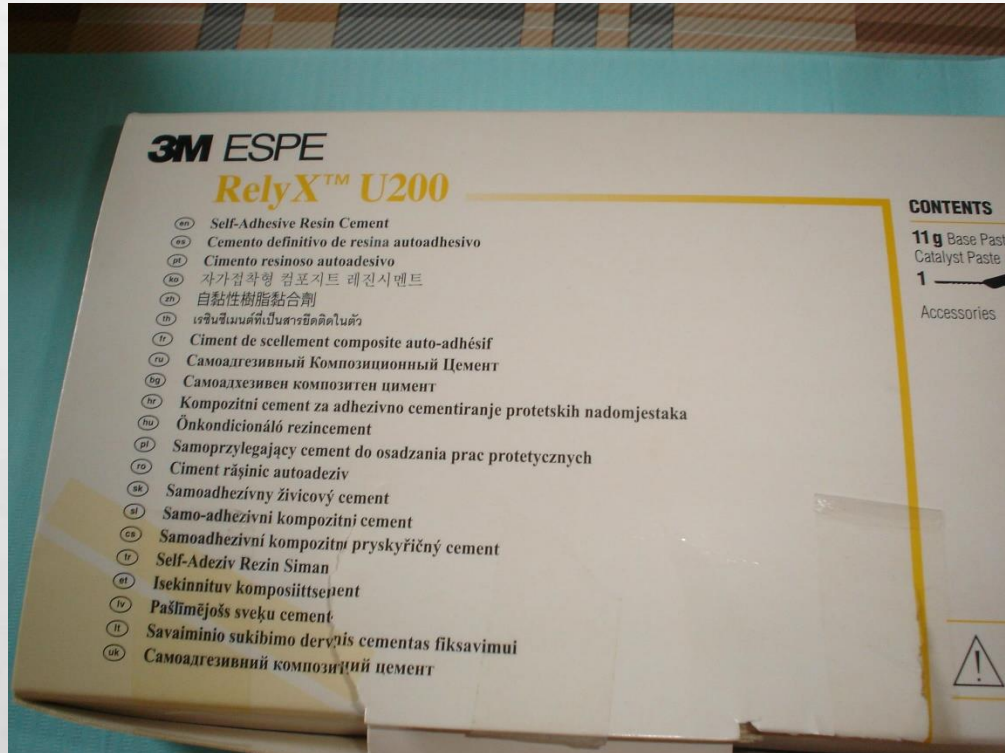
TWO-STEP IMPRESSION



***IN THE LAB THE BRIDGE
WERE FABRICATED***



THE BRIDGE WERE CEMENTED



BEFORE



AFTER



CASE THREE



Anamnesis

- ***30 YEARS OLD***
- ***MALE***
- ***SMOKER***
- ***NO HISTORY WITH ANY SYSTEMIC DISEASE OR ALLERGY***



Chief complain

NOT HAPPY WITH HIS SMILE AS IT SHOWS MISSING TEETH, DISCOLORED TOOTH FILLINGS AND DISSATISFACTION WITH SHAPE AND SIZE OF THE ANTERIOR TEETH

BEFORE



AFTER



CONCLUSION

High performances and properties such as biocompatibility, translucency, ideal durability and toughness and aesthetics make it possible for the zirconia to be the first choice for designing a smile of dreams.

THANK YOU FOR YOUR ATTENTION

MY DENTIST TOLD ME THAT I
NEEDED A CROWN, AND I WAS

LIKE



I KNOW, RIGHT!!!

makeameme.org

BEFORE
OUR HELP



AFTER
OUR HELP

