

ROCS®

REMINERALIZING ORAL CARE SYSTEMS

SMART ORAL CARE



Innovation&Expertise
for your smile

THE DRC TRADE AND MANUFACTURING GROUP:



DRC IS A MANUFACTURER OF ORAL CARE PRODUCTS, COSMETICS, PERSONAL HYGIENE AND MEDICINAL PRODUCTS.

Our manufacturing process encompasses a full cycle – from product idea inception all the way up to its launch and promotion.

We are active in over 50 countries worldwide, and have ownership of the following oral care and cosmetic, medical devices brands: R.O.C.S.®, Femegyl®, Lapikka®, Ivomed®, Argakol®, Herpenox®.

DRC is not just a company, it is also: over 50 patents worldwide, unique manufacturing equipment, an enormous number of specialists, with the core of medics, biologists, engineers and physicists and a lot of clinical research that has been undertaken.

ROCS®
REGENERATING ORAL CARE SYSTEMS

IVOMED®
NATURAL ANTIBACTERIAL PROTECTION

Herpenox®

FEMEGYL®
PROFESSIONAL

Argakol®

ISO 9001:2015 CERTIFIED

R.O.C.S.® TECHNOLOGIES FOR HEALTHY TEETH AND GUMS

THE R.O.C.S.® PHILOSOPHY IS BASED ON: | MAXIMUM EFFECTIVENESS, SAFETY, NATURAL INGREDIENTS AND ECOLOGICAL



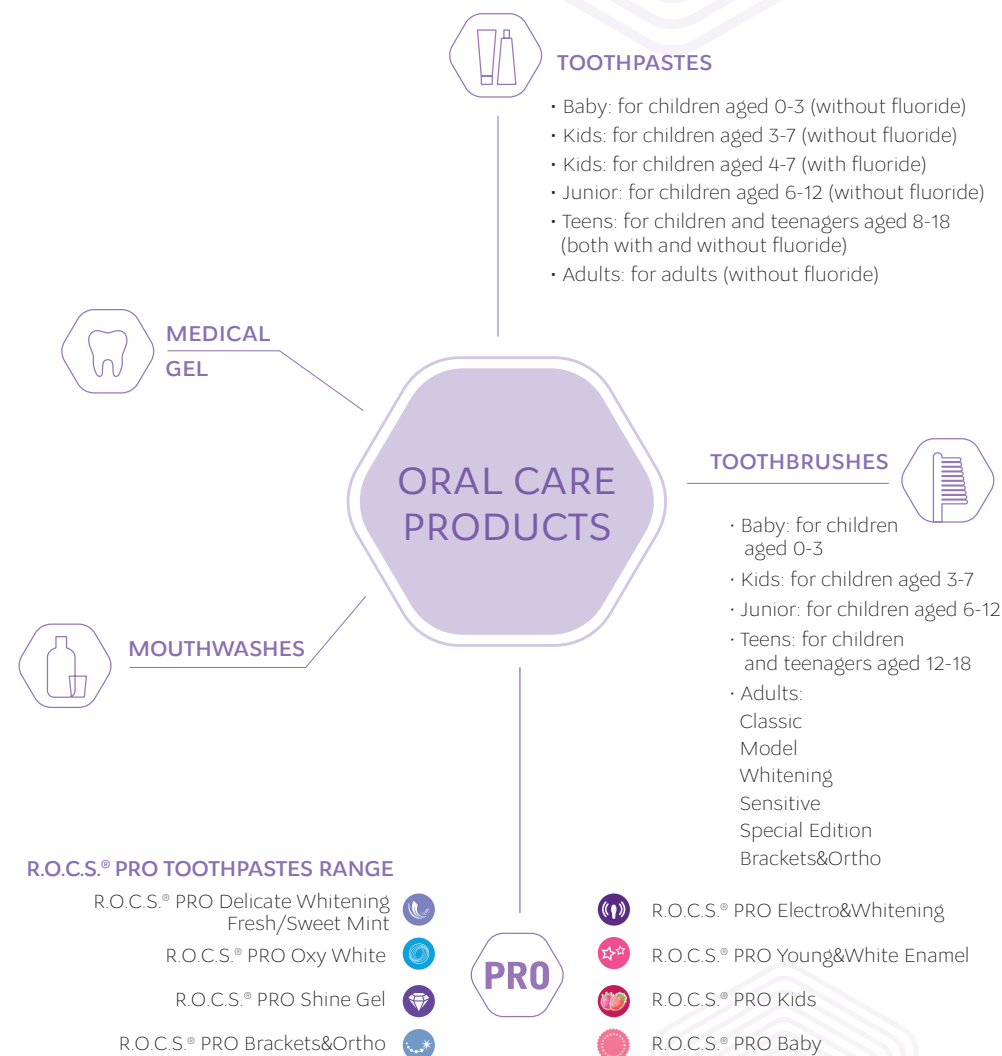
R.O.C.S.® provides special solution for every age based on age-related differences and risks of dental diseases.

Selecting ingredients for our toothpastes, we give preference to natural raw materials.

We have developed unique manufacturing technologies to preserve ingredients activeness and their beneficial properties.

R.O.C.S.® possesses the technology of producing fluoride-free toothpastes which could be used as effectively as fluoride ones.

R.O.C.S.® BRAND ARCHITECTURE





EVERY AGE IS SPECIAL

FROM THE VERY FIRST TOOTH

R.O.C.S.® presents toothpastes for children of different age groups based on safety and efficacy principals tightly related to children teeth specifics within various age periods.

Organolectic properties, safety in case of swallowing, flavors favorable for different age and also packaging interactivity and attractiveness lie in the core of age division.

Baby 0-3

Based on the experience and references of health specialists, it is recommended that children should use toothpaste without fluoride until they are able to spit out the paste properly after brushing.



BABY TOOTHPASTES

EFFECTIVE PROTECTION AGAINST CARIES AND GUMS INFLAMMATION FOR BABIES

0-3 years



BABY CAMOMILE



CAMOMILE
RDA~20

- For effective protection of babies' teeth and gums.
- **Xylitol (10%)** protects teeth against cariogenic bacteria, normalizes the balance of microflora.
- **Camomile extract** increases gum protection level.
- Seaweed-derived **alginate** together with **PVP** prevents sore, red gums, minimizes discomfort, protects oral mucosa, binding toxins.

BABY LIME-BLOSSOM



LIME-BLOSSOM
RDA~19

- For enamel strengthening of milk teeth.
- **Xylitol (10%)** protects teeth against cariogenic bacteria, normalizes the balance of microflora.
- **Lime-blossom extract** ensures gentle care for babies teeth while teething, protecting babies' gums against sore and red gums.
- **Safe if swallowed!**

BABY APPLE

NEW!



APPLE

- For special delicate teeth and gums care during teeth eruption period.
- **Quince extract** and potassium alginate gently protect the mucosa.
- **Xylitol (10%)**, honeysuckle extract and alginate protect against cariogenic bacteria and gums.*
- **Safe if swallowed!**



* Clinically proven



PRO BABY TOOTHPASTE

0-3 years



PRO BABY

- **Calcium-based mineral complex** of high bioavailability ensures an active mineralization of deciduous teeth, safely and effectively protecting against caries*.
- **Honeysuckle extract** together with xylitol (10%) protects the gums during teething.
- **Safe if swallowed!**
- Natural ingredients 97%.



PRO KIDS TOOTHPASTE

3-7 years



WILD BERRIES

- Protects both permanent and deciduous teeth from caries*.
- **Calcium glycerophosphate** and **xylitol (10%)** enrich the enamel with minerals, preventing plaque formation, normalizing oral microflora.
- **Calcium Hydroxyapatite particles** of different size create a highly mineralized protective layer at its surface.
- **Honeysuckle extracts** prevents gum inflammation.
- Protected with natural preservative.
- Natural ingredients 97%.



PRO KIDS ELECTRO TOOTHPASTE

3-7 years



KIDS PRO ELECTRO

- Contains **mineral complex** - the source of calcium, phosphorus and magnesium (structure elements of tooth enamel) and 12 % of xylitol.
- Effectively protects against caries*, strengthens and brings shine and whiteness to young enamel*, ensuring an active remineralization in case of white spot caries*.
- Thanks to the **complex extract of aspen Pópulus trémula** protects gums against inflammation and bleeding.
- **Special silica particles** help delicately and qualitatively clean hard reachable areas of the dentition.

* Clinically proven

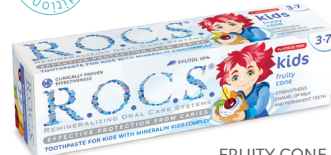


KIDS TOOTHPASTES

EFFECTIVE PROTECTION
AGAINST CARIES*
AND STRENGTHENING
THE ENAMEL
OF MILK AND
PERMANENT TEETH



Kids should brush their teeth
with age-dedicated toothpaste



FRUITY CONE

3-7
years



MINERALIN® KIDS COMPLEX
with minerals
XYLITOL 12%
CALCIUM, MAGNESIUM, PHOSPHORUS
STRENGTHEN AND AID THE FORMATION
OF YOUNG ENAMEL*

FORMULAS
OF IDENTICAL
EFFICIENCY *



AMIFLUOR® COMPLEX
with aminofluoride F-500 ppm
XYLITOL 10%
QUICKLY (20 SECS) FORMS A PROTECTIVE
LAYER ON ENAMEL SURFACE

- Highly effective **MINERALIN® KIDS** complex combines **xylitol 12%** protecting against bacteria, normalizing microflora composition and calcium, magnesium, phosphorus strengthening and promoting the formation of young dental enamel*.
- Effectively protects against caries*.
- Tested during a 2-year school prophylaxis program supervised by an expert of the World Health Organisation (WHO).



* Clinically proven

Kids 3-7

For children aged 3-7, R.O.C.S.®
is offering a product line
of various R.O.C.S.® KIDS
toothpastes with both fluoride
systems (500 ppm) and calcium
glycerophosphate systems
without fluoride.



BUBBLE GUM

RASPBERRY
AND STRAWBERRY

JUNIOR TOOTHPASTES

DEVELOPED SPECIALLY FOR KIDS
AT THE AGE OF MIXED DENTITION

NEW!



BERRY MIX



FRUITY RAINBOW



CHOCOLATE AND CARAMEL

6-12
years



Junior 6-12

School age children should
use toothpastes that are
not completely children's
toothpastes, but at the same
time have original flavors
and modern, trendy
packaging design.



- Double aspen bark extract** and **xylitol** protect
teeth and gums against inflammation and
cariogenic bacteria*.

- Mineral complex** (calcium, phosphorus and magnesium) combined
with xylitol provides efficient anti-carries protection*, strengthens and
intensifies shine and whiteness of young enamel*.

TEENS TOOTHPASTES

8-18
years

R.O.C.S.® TEENS toothpastes effectively
protect the teeth against caries, normalize
oral microflora composition (**xylitol 10%**)
and prevent gum inflammation.

Teens 8-18

It is better for children not to use
the same toothpaste as adults
do. Teenagers' teeth undergo
active changes, and the enamel
maturation process carries
on for several years
after eruption
(until age 17-18).



COLA
AND LEMON



WILD
STRAWBERRY

- Low in abrasives.
RDA=50
- Do not contain
sodium lauryl sulfate.



CHOCOLATE
MOUSSE

RDA=60

* Clinically proven



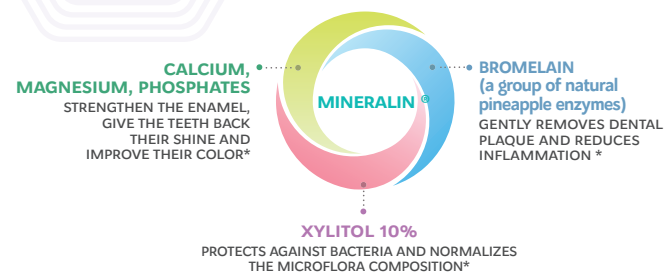
AMIFLUOR® COMPLEX
with aminofluoride F-900 ppm
XYLITOL 10%



MINERALIN® COMPLEX
with minerals



MINERALIN® ENZYME COMPLEX



MANY ROCS® TOOTHPASTES CONTAIN THE UNIQUE MINERALIN® ENZYME COMPLEX.

- ensures long-lasting "clean feel";
- brightens teeth enamel in the safest way, preventing buildup of dark plaque and dental calculus*;
- significantly improves gums' health (inflammation and bleeding symptoms go down by 86% in general after one week of use)*;
- gives the enamel back its shine*;
- prevents caries from developing*;
- has prebiotic qualities: normalizes microflora composition*.

TOOTHPASTE WITH MINERALIN® COMPLEX

REGULAR CARE

MINERALIN® COMPLEX

- **BROMELAIN**
GENTLY REMOVES DENTAL PLAQUE AND REDUCES INFLAMMATION *
- **CALCIUM, MAGNESIUM, PHOSPHATES**
STRENGTHEN THE ENAMEL, GIVE THE TEETH BACK THEIR SHINE AND IMPROVE THEIR COLOR*
- **XYLITOL 10%**
PROTECTS AGAINST BACTERIA AND NORMALIZES THE MICROFLORA COMPOSITION*



DOUBLE MINT

Contains biocomponents of natural origin (bromelain, xylitol (10%), calcium glycerophosphate and magnesium chloride), the activeness of which is preserved thanks to the unique low-temperature brewing technique used to manufacture the toothpaste.



SPECIALIZED TOOTHPASTE

FOR RED WINE, COFFEE, TEA AND TOBACCO LOVERS

MINERALIN® COMPLEX with vitamin E

- **SILICA MICROPARTICLES**
GENTLY REMOVE STAINING, GIVING TEETH WHITENESS AND SHINE
- **BROMELAIN** GENTLY REMOVES DENTAL PLAQUE AND REDUCES INFLAMMATION*
- **VITAMIN E** PROVIDES ANTIOXIDANT PROTECTION
- **XYLITOL 10%** PROTECTS AGAINST BACTERIA AND NORMALIZES THE MICROFLORA COMPOSITION*



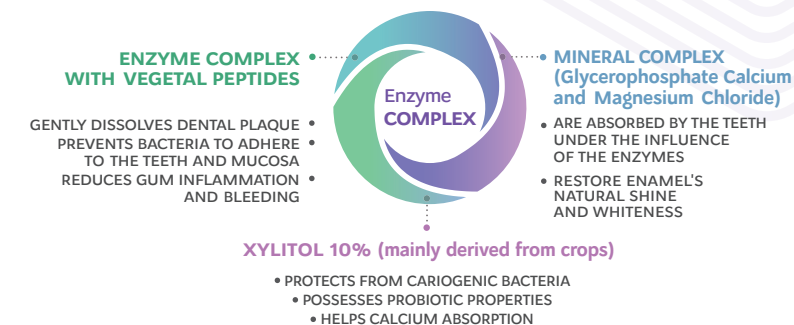
COFFEE AND TOBACCO

- Removes discoloration caused by tobacco smoke, coffee, tea, red wine.
- RDA=99 so that the toothpaste is suitable for regular daily use.
- Xylitol 10% prevents the increase in cariogenic microflora.



* Clinically proven

ENZYME COMPLEX WITH VEGETAL PEPTIDES AND MINERALS



Enzyme COMPLEX

Ensures a high level of complex protection for the teeth and gums thanks to the effect of BIO ingredients of a natural origin, the activeness of which is preserved due to the use of a special low-temperature technology when brewing the toothpaste.

BIOCOMPLEX

ACTIVE TEETH PROTECTION

BASED ON ACTIVE NATURAL INGREDIENTS **98%**

- Prevents caries.
- Reduces gum inflammation and bleeding.
- Enriches enamel with minerals.
- Long-lasting clean feel and fresh breath



BIO friendly FORMULA



BIOWHITENING

WHITENING AND COMPREHENSIVE PROTECTION

BASED ON ACTIVE NATURAL INGREDIENTS **98%**

- Gently and effectively removes discolored dental plaque.
- Protects teeth and gums* thanks to **peptides** and **xylitol** synergistic effect.
- Long-lasting "clean feel" and fresh breath.



BIO friendly FORMULA



* Clinically proven

WHITENING TOOTHPASTES

MINERALIN® COMPLEX with active granules



- **ACTIVE GRANULES**
POSSESS BOTH SPECIAL CLEANING AND POLISHING PROPERTIES
- **BROMELAIN**
DELICATELY REMOVES DENTAL PLAQUE AND RELIEVES INFLAMMATION**
- **CALCIUM, MAGNESIUM, PHOSPHATES**
STRENGTHEN THE ENAMEL, GIVE IT BACK ITS SHINE AND IMPROVE TEETH COLOR
- **XYLITOL 10%**
PROTECTS AGAINST BACTERIA AND NORMALIZES THE MICROFLORA COMPOSITION*



BRIGHTENS THE TEETH BY 1.5 SHADES AFTER 1 WEEK OF USE*.

SENSATION WHITENING

MINERALIN® COMPLEX



SILICA MICROPARTICLES
GENTLY REMOVE STAINING, GIVING THE TEETH WHITENESS AND SHINE



VISIBLE RESULT AFTER 1ST USE

WHITENING

- Ensures a pronounced polishing and shining effect on teeth enamel.
- Thoroughly alleviates dental plaque and relieves inflammation*.
- Gives the enamel back its shine and ensures teeth whiteness.
- Prevents the formation of dark plaque and calculus.
- Ensures long-lasting "clean feel".



1 A natural enzyme gently dissolves colored dental plaque.



2 Special granules give teeth surface a high-quality cleaning.



3 Granule particles polish the enamel during the final stage of brushing, making the enamel shine.



4 Ingredients of the toothpaste slow down the build-up of new discoloration, help preserve whiteness and shine.

* Clinically proven



MINERALIN® COMPLEX



NATURAL CHARCOAL
GENTLY REMOVES DISCOLORATION, POLISHES THE ENAMEL RESTORING ITS NATURAL WHITENESS

FOR HEALTH AND WHITENESS OF YOUR SMILE

- Makes the enamel shiny and white.
- Protects against caries.
- Freshens breath.
- Remineralizing formula.
- System of microbial balance and dental plaque formation.
- Designed for controlled toothbrushing.



NEW!

BLACK EDITION

* Clinically proven



TOOTHPASTES FOR SENSITIVE TEETH

Calcium hydroxyapatite suspension, is manufactured with unique patented technique. together with calcium glycerophosphate, magnesium and xylitol, ensures an active remineralization of the teeth*, effective protection against caries*, and the teeth shine and whiteness restoration.

R.O.C.S.® SENSITIVE TOOTHPASTES RAPIDLY* RELIEF TEETH SENSITIVITY AND ACTIVELY REMINERALIZE HARD DENTAL TISSUES.

- **Multi-sized calcium hydroxyapatite particles** form a repairing layer over the surface of teeth, which ensures a quick reduction of sensitivity by closing any minor enamel defects and exposed dentinal tubules.
- **Xylitol (8%)** for plaque control.
- For regular daily use.

* Clinically proven

SENSITIVE INSTANT RELIEF



50% CALCIUM HYDROXYAPATITE IN SUSPENSION

SENSITIVE REPAIR AND WHITENING



R.O.C.S.® PRO PROFESSIONAL SOLUTION

FORMULA IS BASED ON THE
PRO SYSTEM TECHNOLOGIES

BOOSTER **PRO** SYSTEM

– effective and advanced cleaning, polishing and whitening. Improves the cleaning and polishing properties without any significant increase in its abrasiveness.

TOTAL COMPLETE PROTECTION **PRO** SYSTEM

provides high quality of teeth whitening and shine*. Protects against common dental diseases without using fluorides and antiseptics, has anti-plaque effect, strengthens enamel structure, reduces risk of caries.

PREBIOTIC **PRO** SYSTEM

regulates microbial balance in the mouth. Prevents the attachment* and multiplication of pathogenic bacteria and Candida species.

AN ENZYME AND MINERALS **PRO** SYSTEM

created using high-quality natural ingredients protects against caries and periodontal diseases* and ensures a pronounced long-lasting protection against dental plaque*.

HL SAFETY **PRO** SYSTEM

ensures product safety to people and the environment. It contains no colorants, fluoride, parabens or sodium lauryl sulfate.



* Clinically proven

DELICATE WHITENING



- Ensures a strong brightening and shine effect*, protects against caries and inflammatory gum diseases*.
- Effectively maintains the results of professional whitening.
- Suitable for everyday use.



YOUNG & WHITE ENAMEL

FOR YOUNGER, SHINY AND WHITE TOOTH ENAMEL

- A special combination of delicate, **low-abrasivity** next-generation particles perfectly cleans and maintains natural whiteness, without harming young enamel.
- Can be used with electric toothbrushes.
- Has a gentle aroma lacking in any harsh minty tones.
- The particular color is due to the presence of natural ingredients.



YOUNG & WHITE ENAMEL



FOR YOUNG ENAMEL

ELECTRO & WHITENING

UNIQUE TOOTHPASTE DESIGNED TO BE USED TOGETHER WITH ELECTRIC TOOTHBRUSH FOR MAXIMUM CLEANING AND WHITENING EFFECT



ELECTRO & WHITENING

- Together with Electric toothbrush has an ultra-delicate polishing effect on the teeth.
- Contains an **ENZYME & MINERALS PRO-SYSTEM**, which uses natural enzymes to soften up colored dental plaque.
- Its soft base and low abrasiveness have an ultra-delicate polishing effect on the teeth, improving their color and shine*.
- Protects against caries and gum inflammation*.
- Mineral components of the toothpaste actively saturate the teeth with calcium and phosphorus*.



CAN BE USED WITH A MANUAL TOOTHBRUSH

BRACKETS & ORTHO

FOR A PERFECT SMILE WHEN USING ORTHODONTIC AND ORTHOPEDIC APPLIANCES



BRACKETS & ORTHO

* Clinically proven



BRILLIANCE WHITENING GEL



PEROXIDE FREE



WHITENING GEL

- Gives the teeth a notable shine, strengthens and brightens the enamel.
- Quick and long-lasting relief of dental hypersensitivity*.
- To be used for alleviation of aesthetic imperfections.
- Highly effective at preventing caries*.
- Safe to swallow. No age restrictions.
- Is an additional tool to be used alongside toothpaste.



- An **active proteolytic enzyme** allows to clean even hard-to-reach areas and decrease inflammation, ensures long-lasting "clean feel".
- **Special delicate granules** strengthen its cleaning properties.
- Xylitol helps normalize microflora composition and prevent caries*.
- Bioavailable mineral compounds restore the enamel and give the teeth back their natural shine and whiteness*.



UNO TOOTHPASTES

ACTIVE BIOAVAILABLE
MINERAL COMPLEX



UNO HERBAL FOR HEALTHY GUMS WITH CHLOROPHYLL

- Rich flavor of fresh mint with the pine and wild berries note.
- **CHLOROPHYLL** strengthens gums and protects them against bacteria, viruses and fungi, supports immunity.

UNO CALCIUM FOR ENAMEL STRENGTHENING AND MINERAL PROTECTION

- Fresh mint flavour with mandarin note.
- **CALCIUM AND PHOSPHORUS** promote remineralization of filling-adjacent enamel.

UNO SENSITIVE FOR RAPID TEETH SENSITIVITY RELIEF

- The gentle combination of the tastes of tropical mango and banana is ideally suited for sensitive teeth.
- **POTASSIUM NITRATE** quickly eliminates dental pain.

UNO WHITENING FOR A NATURAL WHITENESS AND SHINE

- Exquisite combination of spear and peper mint with a slight spicy note provides pleasant freshness.
- **SILICA MICROPARTICLES** polish, brighten and whiten teeth enamel.



XYLITOL PROTECTS AGAINST CARIES PREVENTING CARIOGENIC BACTERIA GROWTH

- Restores enamel shine and whiteness.
- Protects against caries, strengthens enamel*.
- Lowers the risk of caries appearing around the area of contact with fillings*.



* Clinically proven

MEDICAL MINERALS

UNIQUE REMINERALIZING GEL

WITH CALCIUM, PHOSPHORUS
AND MAGNESIUM

FOR ADULTS: SENSITIVE



FOR ADULTS

FOR ADULTS:
FRUIT



FOR CHILDREN
AND TEENAGERS



REMINERALIZING GEL

- Forms a stable invisible film on the surface of the teeth, which allows for gradual penetration of active minerals into the dental tissues.
- A professional prophylaxis tool to be used during undergoing dental and orthodontic treatment, particularly in case of aesthetic restoration work and whitening.
- Allows dental restorations to last longer even in patients suffering from enamel erosion; inhibits caries development.
- Brightens the teeth and restores their shine.
- **xylitol (10%)** aids remineralization, suppressing the activity of cariogenic bacteria.

FOR SENSITIVE TEETH

- Lowers sensitivity, at the same time remineralizing the enamel and dentin.
- Recommended to be used as a part of a complex of aesthetic restoration procedures (direct and indirect restoration) of dental treatment.
- Indispensable when fast relief for hyperesthesia of any other genesis.
- Ideal for use after professional whitening and cleaning procedures.
- Contains **5% Potassium Nitrate**.

Remineralizing gel is a source of bioavailable calcium, phosphate and magnesium for teeth. It remains on the surface of teeth gradually releasing mineral ions. Xylitol suppresses the activity of cariogenic bacteria.



APPLICATION METHOD: APPLY 1G AFTER TOOTHBRUSHING AND FLOSSING. DO NOT RINSE FOR 40 TO 50 MINUTES. USE DAILY FOR 2 WEEKS, 2-3 TIMES PER YEAR. FURTHER USE AS RECOMMENDED BY THE DENTIST.



* Clinically proven

R.O.C.S.® TOOTHBRUSHES

DEVELOPED
IN COOPERATION WITH
DENTISTS ON THE BASIS
OF EFFECTIVENESS,
SAFETY AND ELEGANT
SIMPLICITY BEARING
IN MIND DIFFERENT
AGE SPECIFICS



- Bristle cut ensures thorough and safe cleaning even in hard-to-reach areas.
- Unique triple-polished tips do not damage gums and enamel.
- Hygienic and easy-to-clean handle is shaped to prevent excessive pressure on gums.



COMFORTABLE GRIP

Designed to be easy-to-use for toddlers and so that parents can easily assist their kids.

SMOOTH PLASTIC STRUCTURE

Prevents the buildup of bacteria, easy to wash.

BABY TOOTHBRUSHES

0-3
years



TRIPLE
POLISHING



SAFE TOOTH-
BRUSHING
SYSTEM

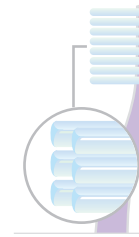
TO BE USED ONLY UNDER ADULT SUPERVISION

KIDS & JUNIOR TOOTHBRUSHES

3-7
years



TRIPLE
POLISHING



SAFE TOOTH-
BRUSHING
SYSTEM

6-12
years



MAGIC TOOTHBRUSH

- The handle shape is in a shape of a magic wand.

SPECIAL BRISTLES

- The extra soft triple-polished-tip bristle ensures a gentle care for the child's delicate gums and enamel.
- The special triangle-cut bristle shape forms 3 cleaning edges, increasing the effectiveness of tooth cleaning.



TEENS TOOTHBRUSHES

12-18
years



TRIPLE
POLISHING



SPECIAL BRISTLES AND TRIM

- The uniquely multileveled shaped head allows for easy and effective cleaning of any dental surface.
- Innovative triple-polished tip technology.
- High-quality cleaning of hard-to-reach areas of the oral cavity.
- Gentle gum care.



* Clinically proven

ROCS® TOOTHBRUSHES



SPECIAL BRISTLES

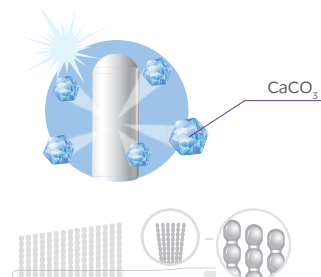
- Innovative tip triple-polishing technology: the bristles are perfectly round and smooth.

SMART BRUSH

- Ergonomic handle for safe brushing: prevents excessive pressure from being applied on the gums. The handle shape, and the structure and homogeneity of the plastic prevents bacteria from accumulating on the surface.
- The unique shape of the head of the ROCS® toothbrush: the slant towards the end of the head allows for easy and thorough cleaning of any dental surface.



WHITENING TOOTHBRUSHES



SPECIAL BRISTLES

- Whitening bristle with incorporated crystals of calcium carbonate (CaCO_3) significantly increases the efficiency of brushing.
- Beveled bristle trim ensures improved plaque removal and easy access to the far teeth.

BLACK EDITION

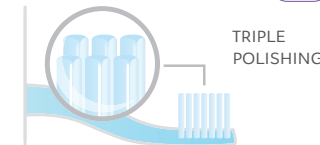


SPECIAL BRISTLES

- The triple-polished tips ensure a high-quality gentle care.
- The unique bristle shape ensures a thorough cleaning of all dental surfaces, including hard-to-reach ones.

PRO BABY TOOTHBRUSHES

0-3 years



SPECIAL BRISTLES FOR BABIES

- Scaling down the bristle diameter allows for 1.5 more bristles in the brush head, ensuring a more effective cleaning.

SAFE AND COMFORTABLE HANDLE SHAPE

- The «biter» handle is made from extra-durable and safe plastic.
- The plastic structure and homogeneity prevents the buildup of bacteria on the handle surface.

- The wide shape of the handle was designed with comfort and safety in mind.

TO BE USED ONLY UNDER ADULT SUPERVISION

SENSITIVE TOOTHBRUSHES



The ROCS® Sensitive toothbrush is made with a special soft thread with extra thin ends, ensuring delicate care for your teeth and gums in cases when the use of regular toothbrushes could cause discomfort.

FOR TEETH WITH INCREASED SENSITIVITY TO TACTILE STIMULI

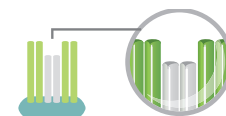


PRO BRACKETS AND ORTHO TOOTHBRUSHES

DESIGNED FOR PERSONS WITH A BRACE SYSTEM – FOR AN EVERYDAY CLEANING OF TEETH

SPECIAL BRISTLE TRIM

- A special trim shape of the middle row bristles ensures a comfortable cleaning of the teeth even in the zones where orthodontic devices are present



PRO TOOTHBRUSHES

5940*
ULTRATHIN BRISTLE



SPECIAL BRISTLES

- The amount of bristles is increased by 2 times**.
- Ultrathin trilobal-shaped bristles with triangular cross-sections.
- Prevents excessive pressure on the gums.



**Compared to classical ROCS® toothbrushes

SUMMARY OF OUR CLINICAL RESEARCH



THE EFFICACY OF TOOTH-BRUSHING PROGRAMME IN IMPROVING ORAL HYGIENE SKILLS OF PRESCHOOL CHILDREN

T.N. Terehova, L.V. Kozlovskaya, K.S. Podobed.

Method: 53 children at the age of 2-3 years participated in a 4 months' tooth brushing programme.

They were trained in oral care basics through interactive play. R.O.C.S.® baby toothpaste and toothbrushes were used in the programme. Parents and teachers were trained in KAI tooth cleaning technique on models and were motivated to help the kids to clean their teeth. Parents were given a presentation about the cause of caries and caries prevention methods. Questionnaires and one-on-one interviews were used to test the knowledge of parents and teachers on oral care regimen and its relevance to the on-going caries prevention programmes.

Results: The research has proven the importance of preventive programmes aimed at educating and motivating both children and their caretakers about good oral care habits in improving oral hygiene. As a result of the programme Plaque Index (PLI) has significantly reduced from 2,38 to 0,50 ($p < 0,001$).

«Children stomatology and prophylaxis», 4, 2009

PREVENTION OF AFFLICTION OF THE MUCOSA OF THE MOUTH IN CHILDREN WITH ONCOLOGICAL COMPLICATIONS AFTER CHEMOTHERAPY

O.A. Aleksandrova, Doctor of Medical Sciences, Professor Y. A. Vinnichenko. Central Research Institute of Dental and Maxillofacial Surgery, Moscow, Russia.

Aim: The evaluation of the effectiveness of toothpastes made from natural ingredients in preventing oral mucositis in children, suffering from oncological diseases, after chemotherapy.

Methods: The study was carried out on 46 patients (aged 12-17) suffering from osteosarcomas or Ewing's sarcomas, who were being treated with chemotherapy at the Blokhin Research Institute of Children's Oncology and Hematology.

"Group 1" consisted of 25 patients who brushed their teeth with R.O.C.S.® toothpastes containing the MINERALIN complex (bromelain, xylitol, calcium glycerophosphate); Group 1 also applied the R.O.C.S.® Baby Chamomile (alginates, 10% xylitol, Matricaria recutita extract) to the mucosa of the lips, tongue, and the inside of the cheeks for 30 minutes, 4 times a day after meals.

"Group 2" consisted of 21 patients who brushed their teeth with a low-abrasivity toothpaste, which did not contain any surfactants. Mouthwash containing chlorhexidine and miramistin was used to prevent mucositis. In cases of 3rd-grade mucositis, the afflicted areas of the oral cavity were treated with Solcoseryl after each meal and once more before sleep.

Results: In the first group, 1st-grade mucositis was diagnosed in 11 patients (44%), 2nd-grade mucositis – in 5 patients (20%), 3rd and 4th-grade mucositis was not diagnosed in any of the patients. It was recorded

that the time needed for oral mucositis lesions to heal had decreased to 5-7 days. In group 2, more severe manifestations of mucositis were recorded: 2nd degree mucositis was found in 7 patients (33%), and 3rd degree mucositis – in 14 patients (67%). The time needed for lesions to heal was measured to be 12-14 days. Bacterial dysbiosis of the 2nd and 3rd degree was also found in the patients.

Conclusion: The obtained data allows us to conclude that the use of the correct toothpastes with the above ingredients allows the severity and intensity of the clinical manifestations of oral mucositis to be decreased, as well as to decrease the time needed for the lesions to heal, letting the patient feel more comfortable throughout the duration of chemotherapy. From the materials of the report delivered at the XVIII Congress of Pediatricians of Russia. Important issues of pediatrics.

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PREVENTION OF DENTAL DISEASES IN SCHOOL-BASED TOOTHBRUSHING PROGRAM

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Aim: This study evaluates the clinical effectiveness of fluoride-free mineralizing toothpaste in the prevention of dental caries and periodontal disease in young school children.

Methods: 365 children aged 6-7 y. (mean 6.6 yrs.) in four schools in Minsk participated in a 2-year program of daily supervised tooth-brushing, using commercial toothpastes: a fluoride-free with Ca, P, Mg and xylitol (group A, n=180), or fluoridated toothpaste with NaF

1000 ppm F⁻ (group B, n=185). Group C (n=173) was a passive control with no supervised brushing. Gingival index-GI (Loe-Silness, 1963) and DMFT were clinically recorded by two dentists at baseline and 2 years of double blind assessments. Ethical approval and parent's consents were obtained. Student's t-test was applied to the data.

Results: At base line average GI in groups was as follows: A = 0.79 ± 0.39 ; B = 0.76 ± 0.30 ; C = 0.74 ± 0.28 , with no statistical difference between groups. after two years, GI decrease was as follows: A = 0.34 ± 0.10 (by 55%); B = 0.37 ± 0.10 (by 51%) and C = 0.50 ± 0.11 (by 32%) (Fig 1). Average DMFT at base-line were 0.29 ± 1.25 , 0.4 ± 1.31 , 0.42 ± 1.16 ; at the end of program: 0.95 ± 1.12 , 0.96 ± 1.24 , 1.36 ± 1.28 in groups A, B, C, respectively. The comparison with "passive" control showed a decrease of 0.41 DMFTs (by 30%, $p < 0.02$) in group A and 0.40 DMFT (by 29%, $p < 0.05$) in group B (Fig 2). No difference was observed between groups A and B.

Conclusion: Data suggests an equally positive effect of both mineralizing fluoride-free and fluoridated toothpastes in improving gingival health and decreasing permanent teeth dental caries in young school children.

THE EFFECTIVENESS OF THE USE OF R.O.C.S.® TOOTHPASTES WITH VARYING FLUORIDE CONCENTRATIONS FOR TREATING OF LOCAL DEMINERALIZATION OF THE ENAMEL

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Aims: researching the preventive effects of different concentrations of amine fluoride of 500 and 900 ppm concentration respectively on hard dental tissue.

Methods: the detection of demineralization spots on the enamel and the measuring of the severity of the demineralization was carried out using a 2% Methylene blue solution. The colorant was applied to a cleaned and dried enamel for 3 minutes, and was washed off afterwards. The teeth were then dried again and the intensity of the color of the spots was evaluated on a 10-point halfshade scale (L.A. Aksamit, 1978). The participants were divided into 2 groups. "Group 1" consisted of 23 children (245 spots in total). R.O.C.S.[®] KIDS (F- 500 ppm) was used. "Group 2" consisted of 24 children (259 demineralization spots in total). R.O.C.S.[®] TEENS (F- 900 ppm) was used. Dental workshops were carried out 4 and 7 months after the end of the program.

Results: a redistribution of the demineralization spots of different shades was recorded in group 1. As such, after 4 months, the amount of more potentially stained spots decreased by 46.4% (from 2.91 ± 0.94 to 1.56 ± 0.71), and by 67% after 7 months, compared to the initial value. In group 2, a 59.4% decrease in the amount of more potentially stained spots was recorded at the 4-month mark, and a statistically significant ($p < 0.05$) decrease in the amount of spots with an average to high degree of staining to 0.67 ± 0.44 was recorded at the 7-month mark (a decrease of 78.2%). Children that had been using the 900 ppm fluorine toothpaste were discovered to have demineralization spots that could not be colored at all by the methylene solution. The enamel in such spots was smooth and shiny.

Conclusion: the results of this clinical trial demonstrate that the R.O.C.S.[®] children's toothpaste range has good cleaning and anti-caries properties. Both toothpaste samples promoted remineralization of the enamel, characterized by the decrease of the degree of the staining of the demineralized spots.

NOTES



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