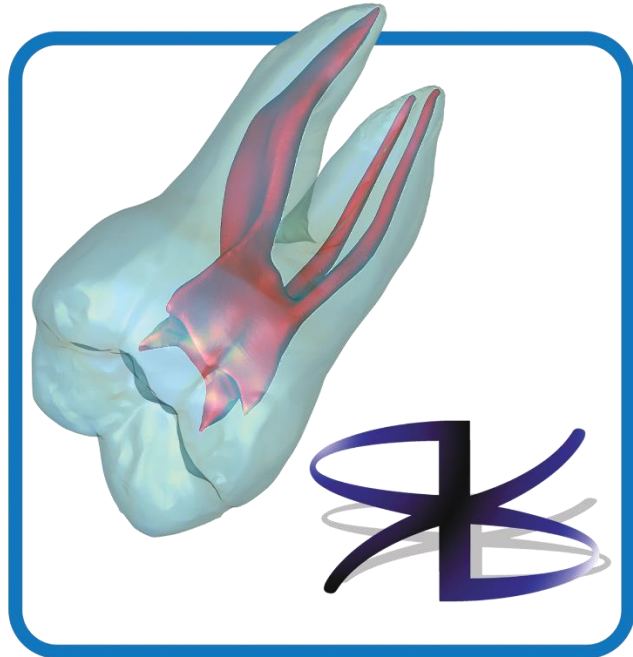


DRSK RCT



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Summary

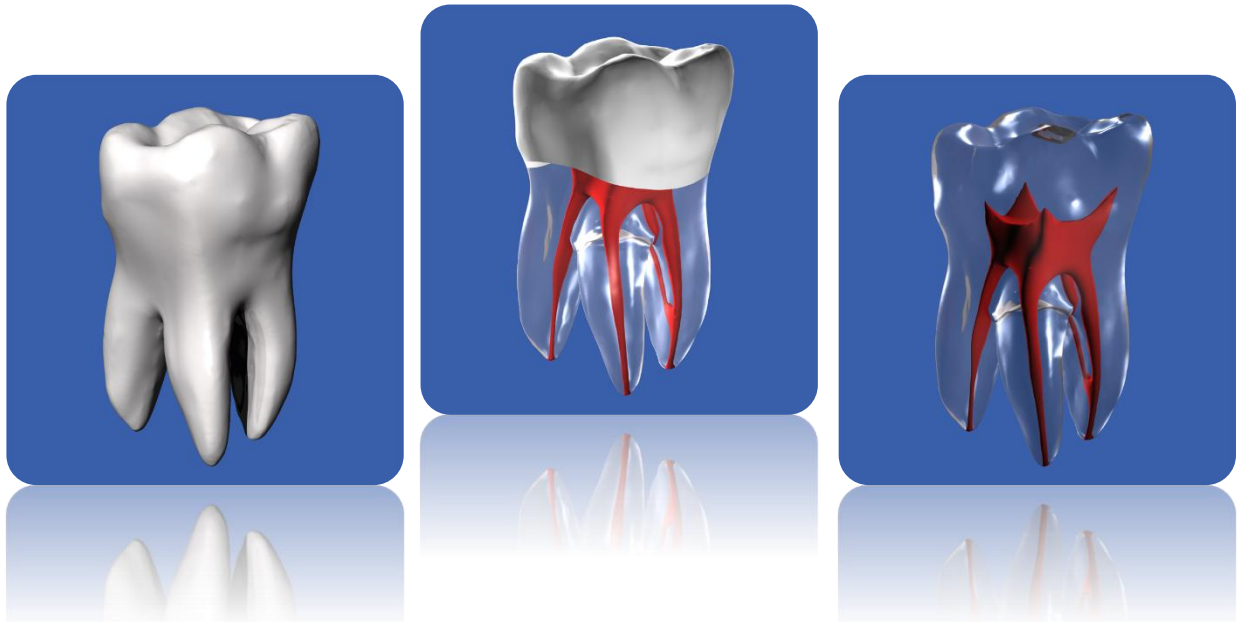
DRSK RCT is an endo tooth model, 3D-designed and equipped with pulp cavity and root canal(s). It comes in different shapes and variations, corresponding to various teeth in a natural dentition. DRSK RCT is an excellent educational tool for the preclinical students to learn how to correctly perform root canal treatments, prior to practicing on actual patients.

The models can be easily modified and customized according to customers' needs, such as making them fit into the pre-existing jaw models, creating different anatomic variations and anomalies, creating specific models for student evaluation and board examinations or academic researches.

DRSK RCT is manufactured from material with mechanical properties comparable to a natural tooth. The material is comparable to dentin in its hardness and e-modulus. Penetrating the pulp chamber and filing can be done on DRSK RCT in very much the same way as on a natural tooth, while it generates a similar tactile feedback. In radiographs there is a distinct radiopacity difference between the tooth and the file. DRSK RCT is available in transparent or white material. The *Regular* models can also be sold with white crowns and transparent roots. The material used in this model is proved as non-cancerogenic.

This tooth model is suitable for practicing root canal treatment techniques using both manual files and rotary systems. Larger size of DRSK RCT (Quadruple Size) can as well be ordered for demonstration purposes.

DRSK RCT is designed and manufactured in Sweden.



Versions

DRSK RCT-p (Pre-accessed)

DRSK RCT-p is a pre-accessed endo tooth model. It features a fully shaped access cavity that allows the practitioner to directly engage the canals with files. It saves the practitioner from drilling the access cavity and therefore is best suited to cases where the main focus is to work in the canals.

What can be practiced on DRSK RCT-p:

- Root canal preparation (filing and shaping)
- Canal obturation
- Determining the working length by taking radiograph
- Post RCT restorations (Post & Core)

This version of DRSK RCT is suitable for demonstrating rotary devices, endodontic treatment systems and technologies. Likewise, it can be used by students for practicing canal instrumentation and obturation.

DRSK RCT-r (Regular)

DRSK RCT-r is an endo tooth model resembling an intact tooth. To practice RCT on this model one has to start by drilling an access cavity. It is suitable for practicing every stage of an ordinary root canal treatment, from the fundamental access cavity preparation all the way to the canal obturation.

What can be practiced on DRSK RCT-r:

- Access cavity preparation
- Root canal preparation (filing and shaping)
- Canal obturation
- Determining the working length by taking radiograph

DRSK RCT-c (Custom Design)

DRSK RCT-c is a custom designed tooth model that can be either developed from scratch or alternatively created from modifying the existing models. Such customized models follow the customer's requirements on the anatomy of the tooth and the pulp. DRSK RCT-c can be used for various purposes including educational or presentational.

DRSK RCT-d (Demonstration)

DRSK RCT-d is a tooth model produced in a larger size. Presenting a magnified view of the tooth pulp and root canals, this scaled-up model can help practitioners better explain to their patients the procedure of a root canal treatment and its complexity. It can also clearly illustrate root canal anomalies and treatment errors.

Features

Remarkable features of DRSK RCT:

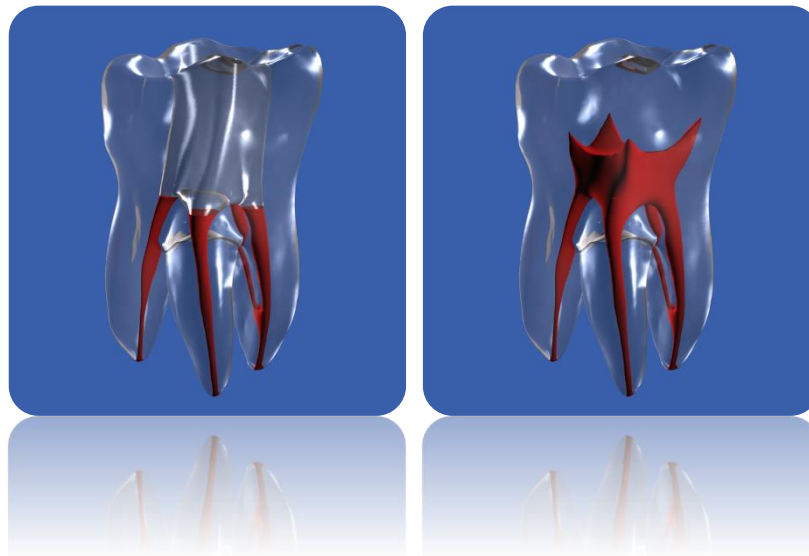
- Mechanical properties of the canal walls are close to the dentin.
- Their anatomy is appropriate for practicing root canal treatment.
- The apical end of canals can be as narrow as 0.15 ± 0.07 mm.
- With RCT-r, trainees can practice access cavity preparation and get a realistic tactile feeling of pulp exposure.
- Pulp chambers in RCT-r are anatomically shaped and feature distinct pulp horns.
- RCT-p facilitates working in canals directly without need to drill the access cavity.
- DRSK RCT models can be radiographed and obturated.
- Basic models can be modified into different anatomic variations upon request.

In addition to root canal treatment training, DRSK RCT can have other applications such as:

- Evaluating root canal treatment skills
- Academic researches
- Teaching and learning post-RCT prosthetic treatments such as post and core
- Visualizing dental anomalies
- Practicing apexification techniques
- Practicing how to treat perforations
- Demonstration of root canal filling materials

DRSK RCT comes in its standard versions, however it is possible to custom design any selected tooth. The possibilities for customization include, but are not limited to:

- Making the teeth fit into the pre-existing jaw models
- Creating different anatomic variations
- Creating pathologic situations and anomalies
- Creating models for student evaluation, board examinations or academic researches
- Creating models which can demonstrate perforations and other complications faced in treating root canals



Specifications

- All measurements are in millimeter with ± 1 mm accuracy.
- To a large extent, manufactured teeth are similar to 3D illustrations below.
- The apical end of canals can be as narrow as 0.15 ± 0.07 mm.
- DRSK RCT is available in transparent or white material. The *Regular* models can also be sold with white crowns and transparent roots.
- The list of available DRSK RCT models will be regularly updated as new versions are being developed. For receiving the updated list of DRSK products in future, please contact [sales department](#).

Maxillary central incisor

Number of roots: 1
 Number of canals: 1
 Canal system:
 • 1 orifice, 1 apex
 Tooth length: 22.5
 BL width: 5.5
 MD width: 8.2



Article code	Accessed	Color	
2111-101-PCL2	Yes	Transparent	
2111-101-PWH1	Yes	White	
2111-101-RCL2	No	Transparent	
2111-101-RWH1	No	White	
2111-101-RCW1	No	White Crown & Transparent Root	
Quadruple Size (4X)	2111-101-DCL2	No	Transparent

Maxillary first premolar

Number of roots: 2
 Number of canals: 2
 Canal system:
 • 2 orifices, 2 apices
 Tooth length: 23
 BL width: 10
 MD width: 7



Article code	Accessed	Color
2422-101-PCL2	Yes	Transparent
2422-101-PWH1	Yes	White
2422-101-RCL2	No	Transparent
2422-101-RWH1	No	White
2422-101-RCW1	No	White Crown & Transparent Root

Maxillary first molar

Number of roots: 3
 Number of canals: 4
 Canal system:
 • Palatal: 1 orifice, 1 apex
 • MB: 2 orifices, 1 apex
 • DB: 1 orifice, 1 apex
 Tooth length: 20 (Palatal)
 BL width: 11
 MD width: 11



Article code	Accessed	Color	
2634-201-PCL2	Yes	Transparent	
2634-201-PWH1	Yes	White	
2634-201-RCL2	No	Transparent	
2634-201-RWH1	No	White	
2634-201-RCW1	No	White Crown & Transparent Root	
Quadruple Size (4X)	2634-201-DCL2	No	Transparent

Maxillary first molar

Number of roots: 3
 Number of canals: 4
 Canal system:
 • Palatal: 1 orifice, 1 apex
 • MB: 2 orifices, 2 apices
 • DB: 1 orifice, 1 apex
 Tooth length: 20 (Palatal)
 BL width: 11
 MD width: 11



Article code	Accessed	Color
2634-301-PCL2	Yes	Transparent
2634-301-PWH1	Yes	White
2634-301-RCL2	No	Transparent
2634-301-RWH1	No	White
2634-301-RCW1	No	White Crown & Transparent Root

Maxillary first molar

Number of roots: 3
 Number of canals: 3
 Canal system:
 • Palatal: 1 orifice, 1 apex
 • MB: 1 orifices, 1 apex
 • DB: 1 orifice, 1 apex
 Tooth length: 20 (Palatal)
 BL width: 11
 MD width: 11



Article code	Accessed	Color
2633-101-PCL2	Yes	Transparent
2633-101-PWH1	Yes	White
2633-101-RCL2	No	Transparent
2633-101-RWH1	No	White
2633-101-RCW1	No	White Crown & Transparent Root

Mandibular central incisor

Number of roots: 1
 Number of canals: 1
 Canal system:
 • 1 orifice, 1 apex
 Tooth length: 23
 BL width: 5.6
 MD width: 5.4



Article code	Accessed	Color
3111-101-PCL2	Yes	Transparent
3111-101-PWH1	Yes	White
3111-101-RCL2	No	Transparent
3111-101-RWH1	No	White
3111-101-RCW1	No	White Crown & Transparent Root

Mandibular canine

Number of roots: 1
 Number of canals: 1
 Canal system:
 • 1 orifice, 1 apex
 Tooth length: 26.5
 BL width: 7.5
 MD width: 6.0



Article code	Accessed	Color
3311-101-PCL2	Yes	Transparent
3311-101-PWH1	Yes	White
3311-101-RCL2	No	Transparent
3311-101-RWH1	No	White
3311-101-RCW1	No	White Crown & Transparent Root

Mandibular first premolar

Number of roots: 1
 Number of canals: 1
 Canal system:
 • 1 orifice, 1 apex
 Tooth length: 25.5
 BL width: 8
 MD width: 7



Article code	Accessed	Color
3411-101-PCL2	Yes	Transparent
3411-101-PWH1	Yes	White
3411-101-RCL2	No	Transparent
3411-101-RWH1	No	White
3411-101-RCW1	No	White Crown & Transparent Root

Mandibular first molar

Number of roots: 2
 Number of canals: 3
 Canal system:
 • Mesial: 2 orifices, 2 apices
 • Distal: 1 orifice, 1 apex
 Tooth length: 20
 BL width: 10
 MD width: 11.5



Article code	Accessed	Color
3623-101-PCL2	Yes	Transparent
3623-101-PWH1	Yes	White
3623-101-RCL2	No	Transparent
3623-101-RWH1	No	White
3623-101-RCW1	No	White Crown & Transparent Root

Perforated model

Maxillary first molar
 Number of roots: 3
 Number of canals: 3
 Features:
 • Trifurcation perforation
 • Strip perforation in MB canal
 • Immature root with open apex
 • Thin-walled palatal root
 • Resected DB canal
 • Retrograde cavity in DB root



Article code	Accessed	Color
2633-102-PCL2	Yes	Transparent
2633-102-PWH1	Yes	White

Open Apex model

Maxillary Central incisor
 Number of roots: 1
 Number of canals: 1
 Features:
 • Immature root with open apex



Article code	Accessed	Color
2111-102-PCL2	Yes	Transparent
2111-102-PWH1	Yes	White
2111-102-RCL2	No	Transparent
2111-102-RWH1	No	White

Ordering

- Minimum order quantity is 10 units.
- Minimum order quantity for large size models (Quadruple Size) is 1 unit.
- Each order can contain the same or a combination of different models.
- For placing an order, send an email to sales@drsk.com.



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