R2GATE™

Have a R2GATE!
Dominate
the digital dentistry!

Turning imagination into reality

MEGAGEN For Lifetime Smiles

R2GATE™

R2GATE is an innovative implant diagnostic software that analyze the oral condition and it shows best way for implant treatment.

CBCT (Dicom)

CBCT is the most effective method for implant diagnosis. Through CBCT, you can easily identify the shape of bone and other skeletal structures but it has a original distortion and not accurate enough for complete treatment planning by itself.

Digital EYE (Bone)

After intuitively checking the shape and density of bone via Digital Eye, you can obtain strong initial stability by customizing the drilling sequence. Also, the software provides a guideline for whether immediate loading is possible or not.

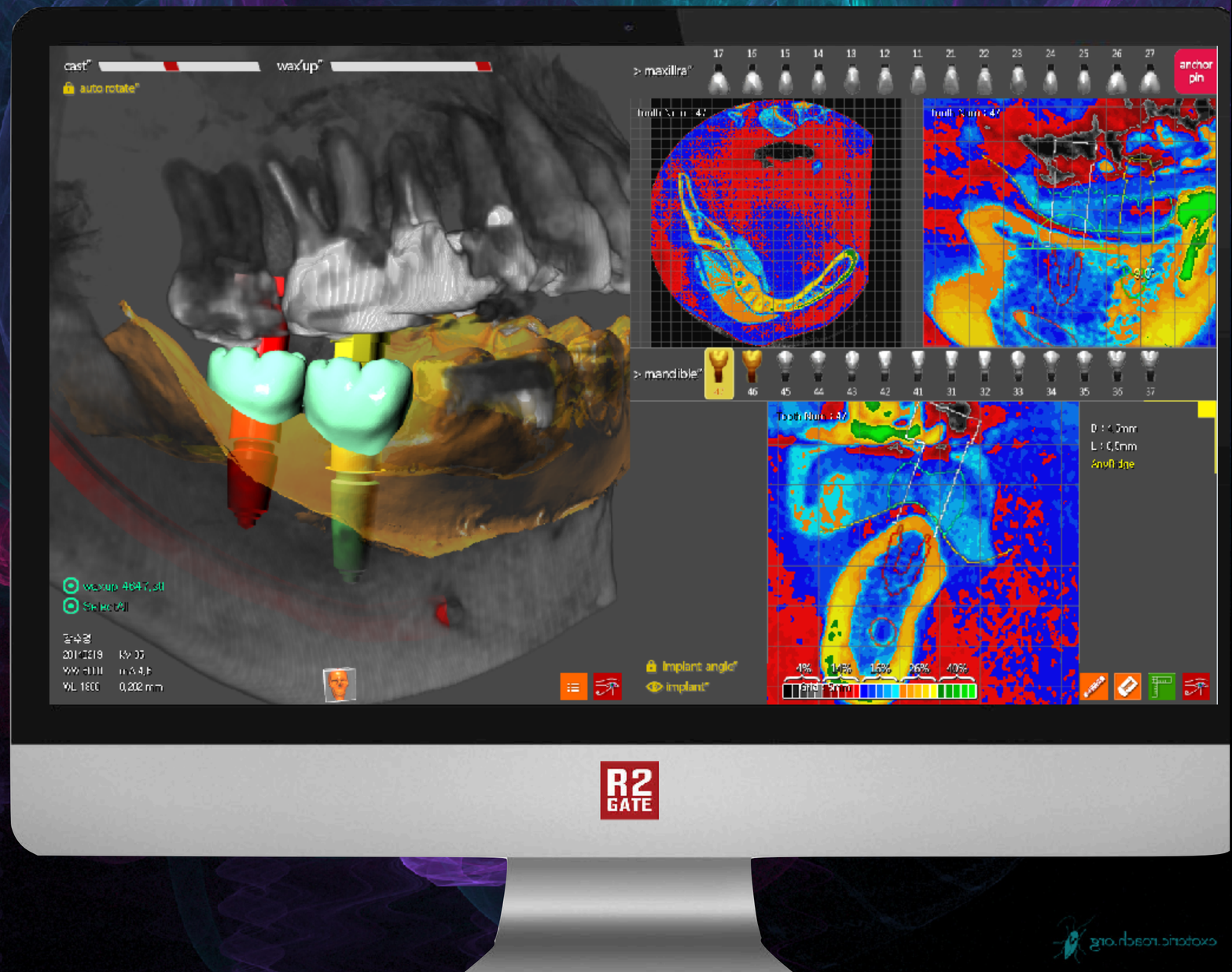
STL (Soft tissue & teeth)

R2GATE merge the STL (3D scanning of model or impression) with CBCT file to overcome the
CBCT's limitation as Metal Scattering and distortion.
STL intuitively shows the gingiva and neighboring teeth.

Top-Down Treatment planning

The purpose of implant treatment is to recover the lost and functionless teeth.
With R2GATE, you can select the most ideal position of implant through checking the crown design, and occlusion with neighboring and antagonist teeth.

The most innovative and intuitive diagnosis software for Dental implant planning in the world.



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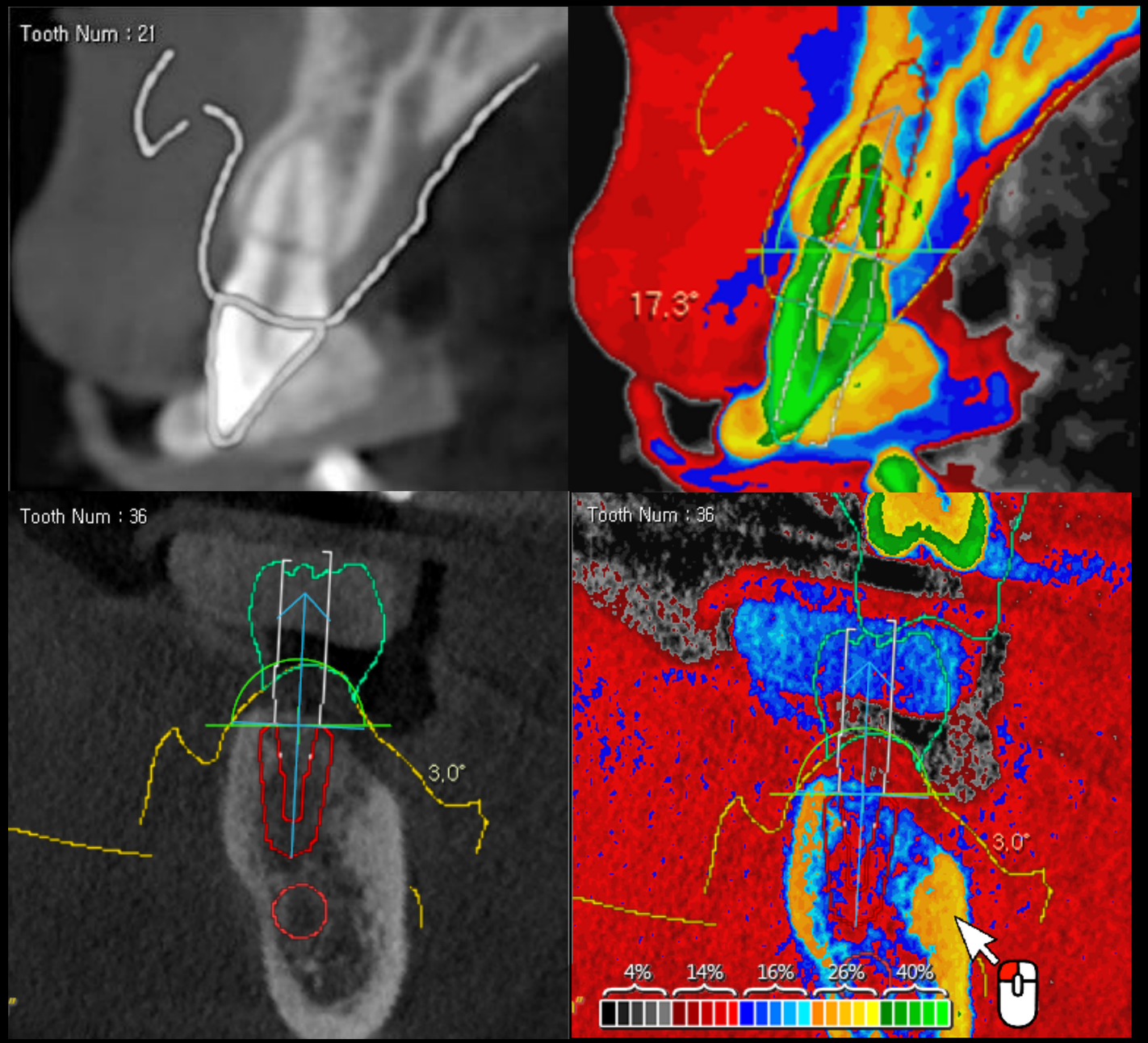
Digital EYE™ Do your CBCT shows you right information?

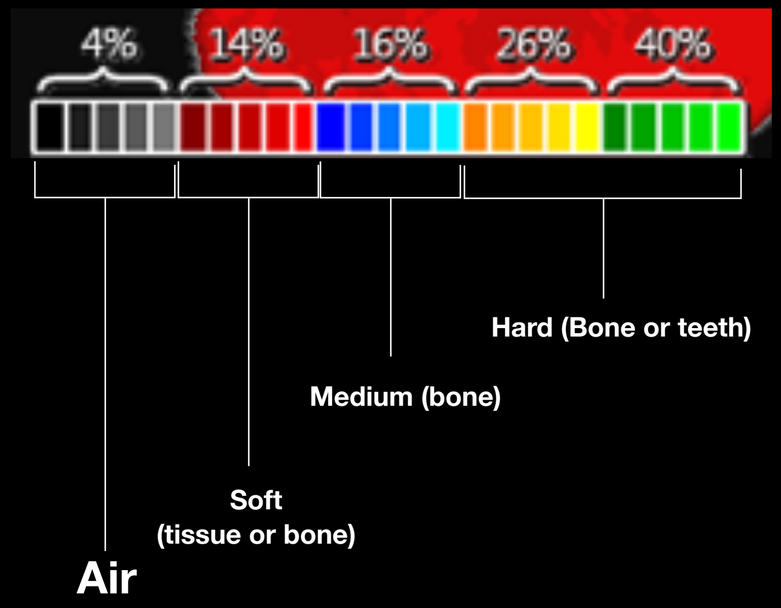


Black and White? it's 5% only

Regular black and white CBCT analyzes the data in 256-level of shades, we can only detect 16 levels with naked eyes. R2GATE Digital EYE regenerates 256 shades into color to deliver much detailed, intuitive bone condition.

Also, it standardizes the brightness level that each CT equipment has and provides objective HOUNS FIELD UNIT. This is significantly differ from the color that other CT data provides.

Based on this information, you can decide implant position and size and its drilling sequence for the initial stability of implant.

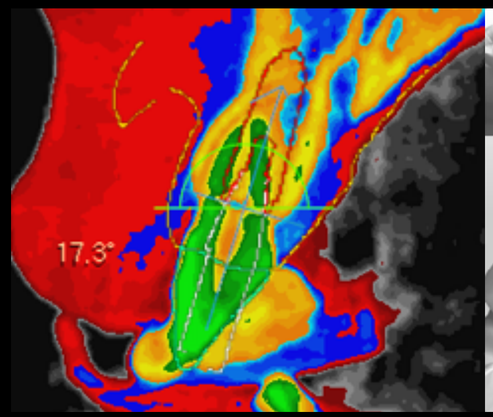


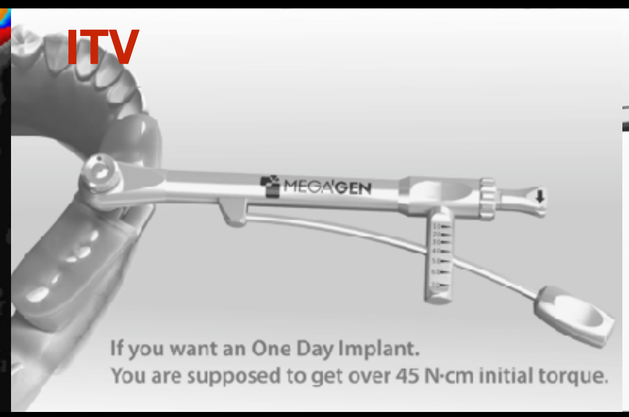
Turning imagination into reality

ONE-DAY IMPLANT™

Get your implant and prosthetics done in one day!

According to the bone density and R2GATE treatment planning, patients can get customized abutment, that is already made before the surgery, right after the implant surgery. Prosthetics can be manufactured as single, bridge, or screw-retained type as your preferences.





Digital Eye™

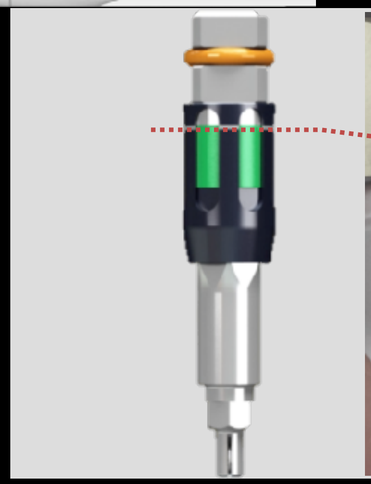
provides the predictable sign for Immediate loading.

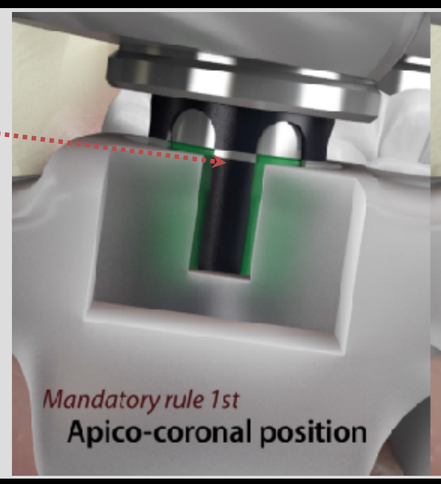
Place a Fixture as it is planned

Completely connect Handpiece Carrier into a fixture,
and drill it down as it is planned using R2GATE Guide

a. Depth of a fixture
   Align the upper line of Handpiece Carrier with Guide Window as [Image 1]

b. Matching internal hex of a xture
   Fill the window with the green part of a Carrier body as [Image 2]





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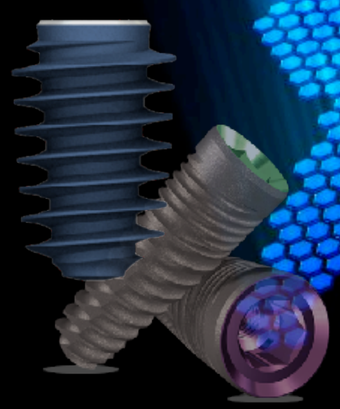
R2GATE™ integrated with Major implant systems.

Gobal Major 5 Implant companies and more End of July 2017.



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Surgical Kits are available!

Nobel Biocare · zimmer · ASTRA TECH IMPLANT SYSTEM · straumann · BIOMET 3i

MEGA'GEN · OSSTEM IMPLANT · Dentium For Dentists By Dentists · Neo Biotech · DIO

Full Kit and Universal Kit are available.

The full kit consists of full set of drills and system-specific implant carriers.

The Universal kit consists of drills from initial to 2.8 drills for any kind of implant systems. and you can add a implant carrier and disposable final drills as option.

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R2GATE Lite™

Whenever, Everywhere!

Diagnostic information sent to R2GATE Lite can be confirmed by the dentist immediately. Corrected and confirmed contents are saved as project files and transferred to the center in real time.

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R2GATE™ has already been verified world wide.

Japan, China, Taiwan, USA, UAE, Romania, Italy, Netherland
Australia, Germany, UK, Russia, Ukraina, Turkey
Using R2GATE in more than 15 countries.

R2 GATE
2013 ~ 2017

20,374
cases
Delivered to world wide

43,671
Implants

12,782
Prosthesis

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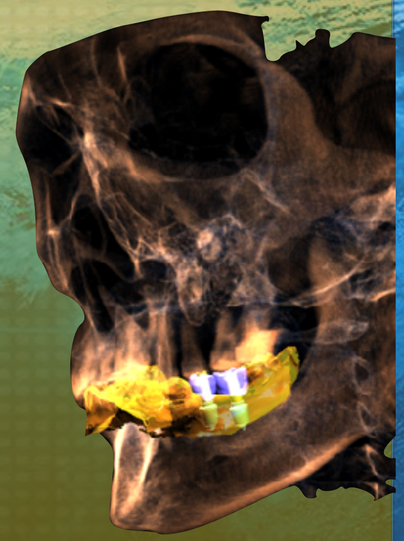
Join the *R2 Digital Center* become a leader in digital dentistry.

R2 Planning service

I

Optimal Implant positioning & Bone analysis

R2GATE allows you do Prosthetic driven Tx. Planning for optimal Implant positioning. It provide an eidetic view of all element that you need for implant practice as CBCT, STL, Prosthetic design before surgery



R2 Guide service

II

Realize the Tx.planning perfectly.

Surgical guide will be made by the state of art 3D printing technology in accordance with the result of Tx.planning. R2 Guide complete your daily implant practice without uncertainty.

ONE-DAY IMPLANT

III

ONE-DAY Implant service.

Under the certainn condition, various prosthesis can be delivered at same day. Recover function & esthetics immediately!

How to down-load the R2GATE software

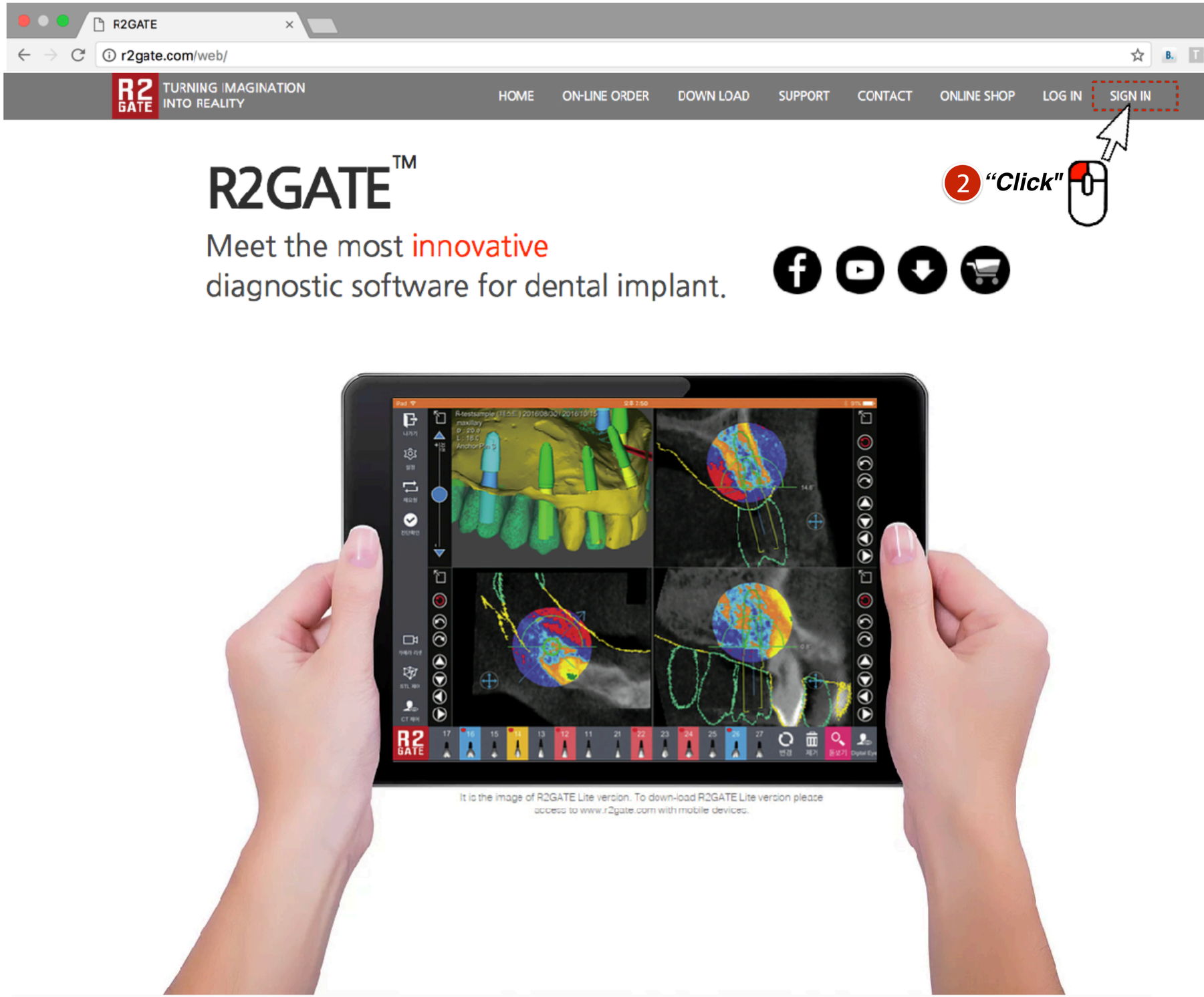
Before start, check your pc!

R2GATE PC or Laptop

For smooth operating,
Hight-End PC (window only) it is advantageous.

OS Operating System	Microsoft Windows 10 Pro OS: Microsoft Windows 7 64bit 이상 (Latest updated)
CPU Central Processing Unit	Intel® Core(™) i7-6700 CPU @ 4.00GHz or above
GPU Graphic Processing Unit	GeForce GTX 960 above Graphic memory 2G above
Resolution Display Resolution	1920 x 1080 Hight resolution Monitor (1680 x 1050 minimum)
Memory Installed Memory	8 GB above
Disk Installed Drive	500 GB above
Network enabled networking	LAN or Wifi

1. visit “www.r2gate.com"
2. Log in with your ID and Password
   if you don’t have it, please sign in
   and create the ID.



1.Choose membership type.

- Dentist

2. Choose language.

- English

3. Click “NEXT”

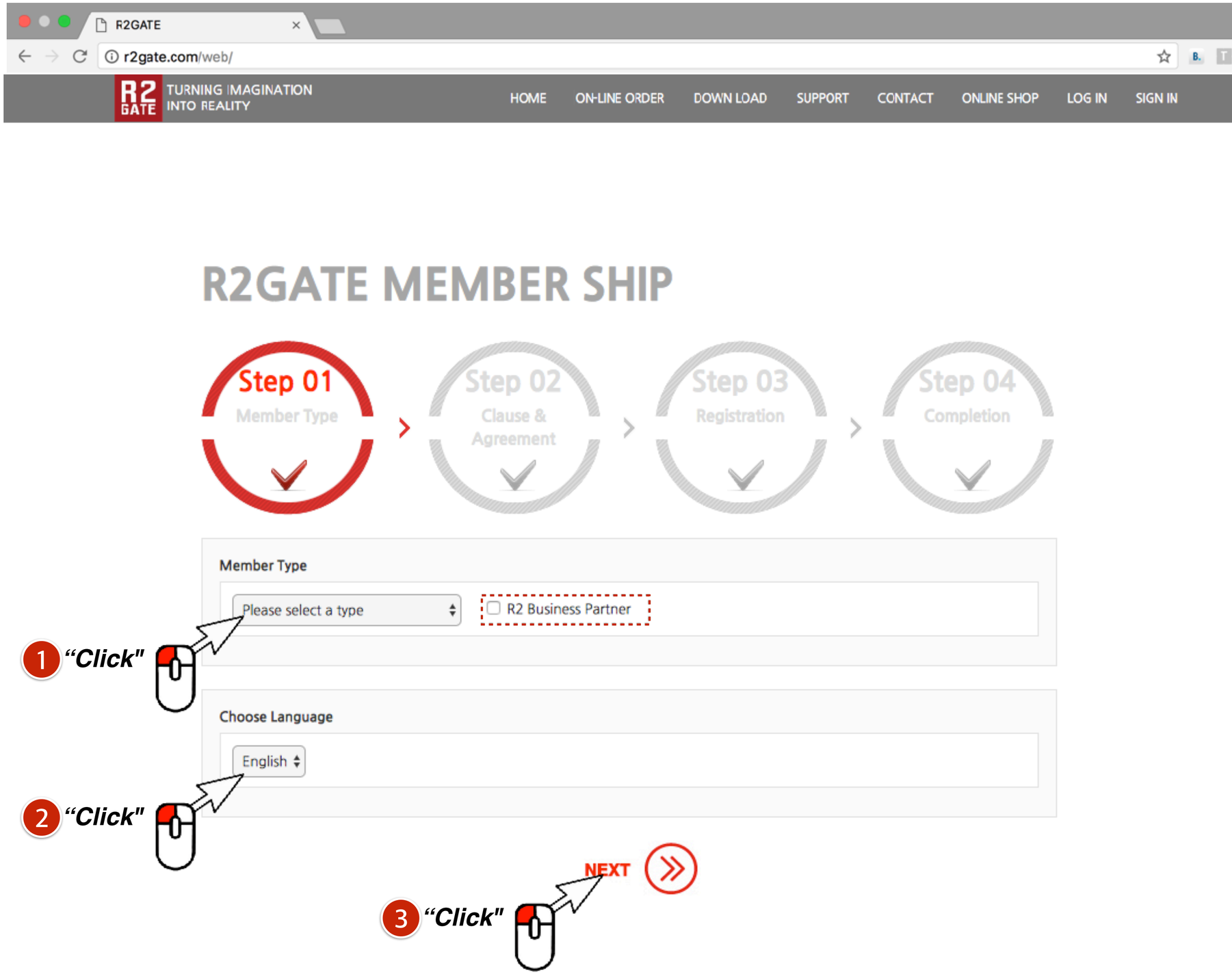
If you are a member of R2 Digital Center or Distributor, follow below instruction.

1.Click the check box
“R2 Business Partner”

2.Choose membership type

- R2 Center
- Dealer

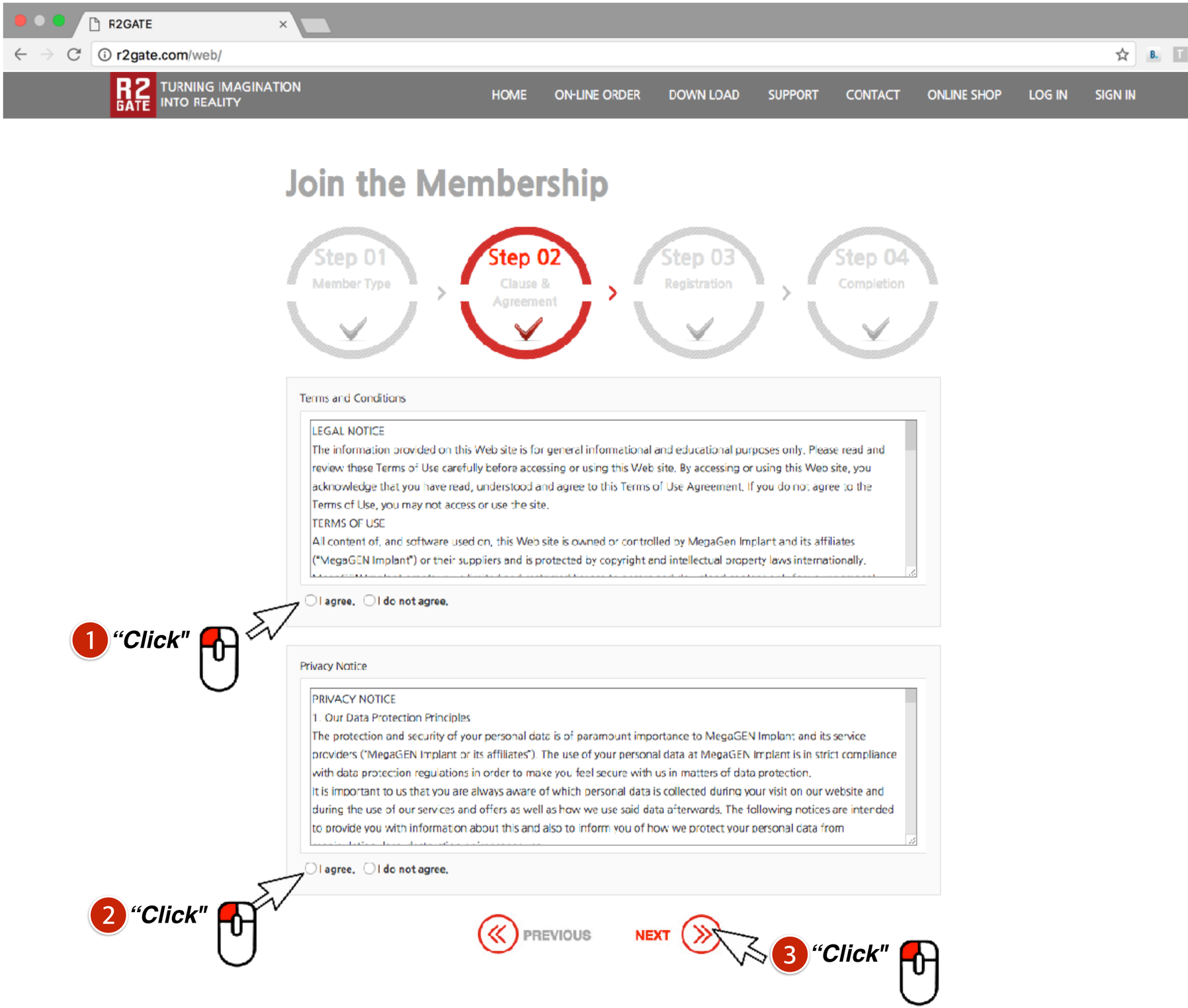
3.Click “NEXT”



1.Agree the Terms and conditions

2. Agree the Privacy policy

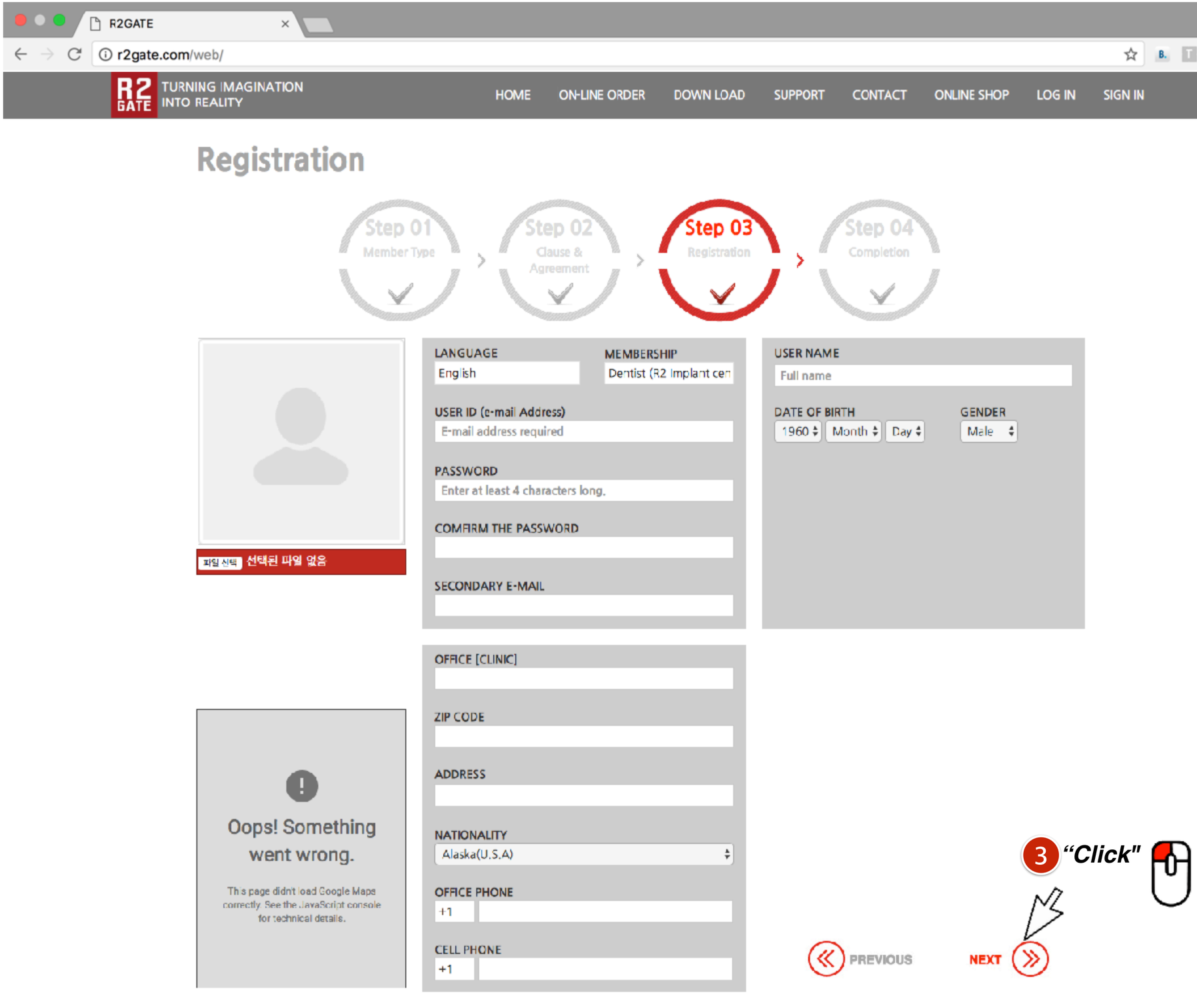
3. Click “NEXT”



1.Create the ID (e-mail) and password.

2. Fill up the your information.

3. Click “NEXT”

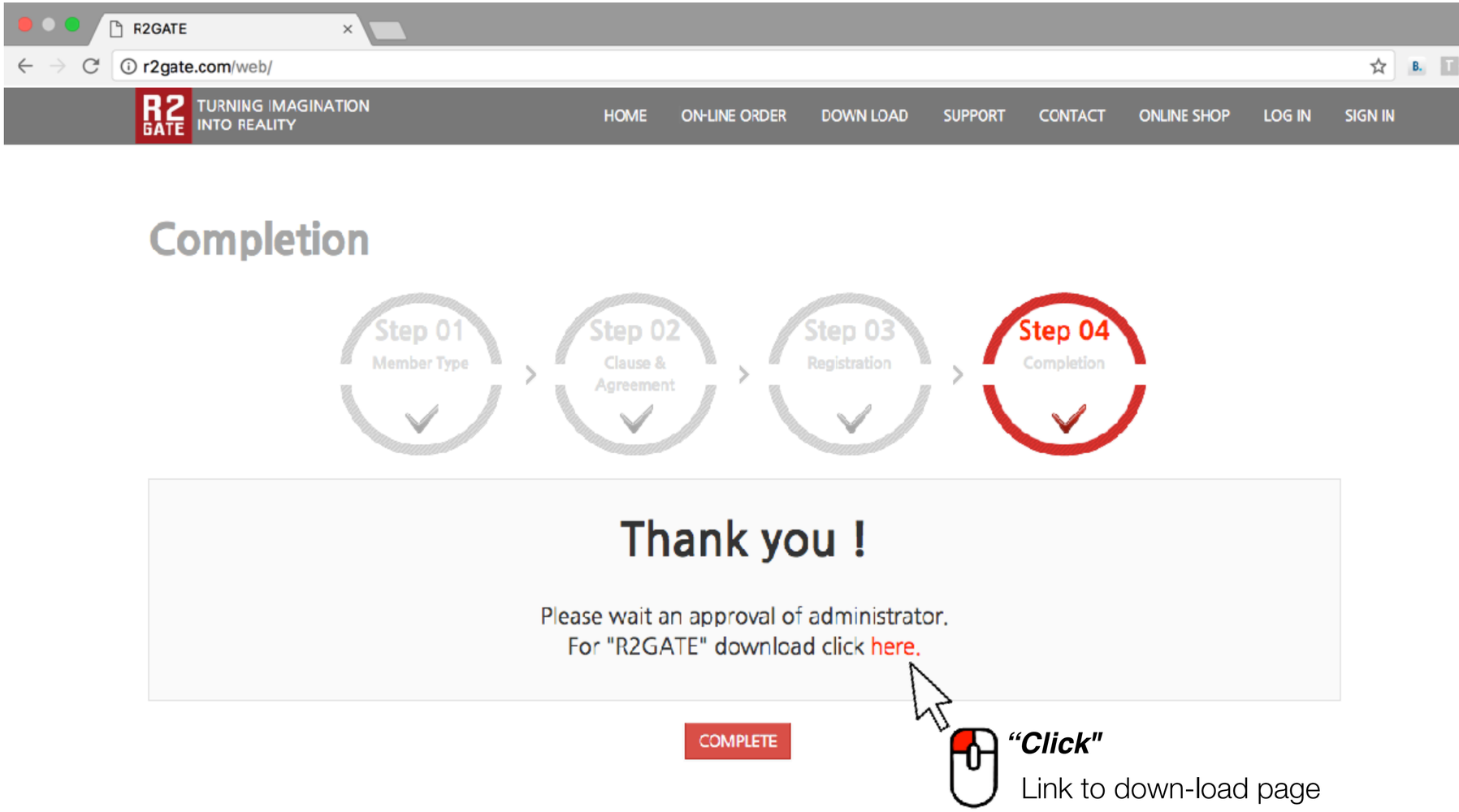


1.It’s completed.

2. You have to wait the approval of our web manager. It takes about a day.

“If you needed hurry, please send email to web manager.
cs@r2svc.com

3. but, you can down-load the R2GATE software, if you want to proceed, click the Link “here”in red letters.



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1.If you are a “DENTIST” member

- Click the left “Down-load” icon.

Normally, there is only one Icon shows, if you sign in as Dentist member or before sign in.

2. If you are a “R2 Digital Center” member

- Click the right “Down-load" icon.

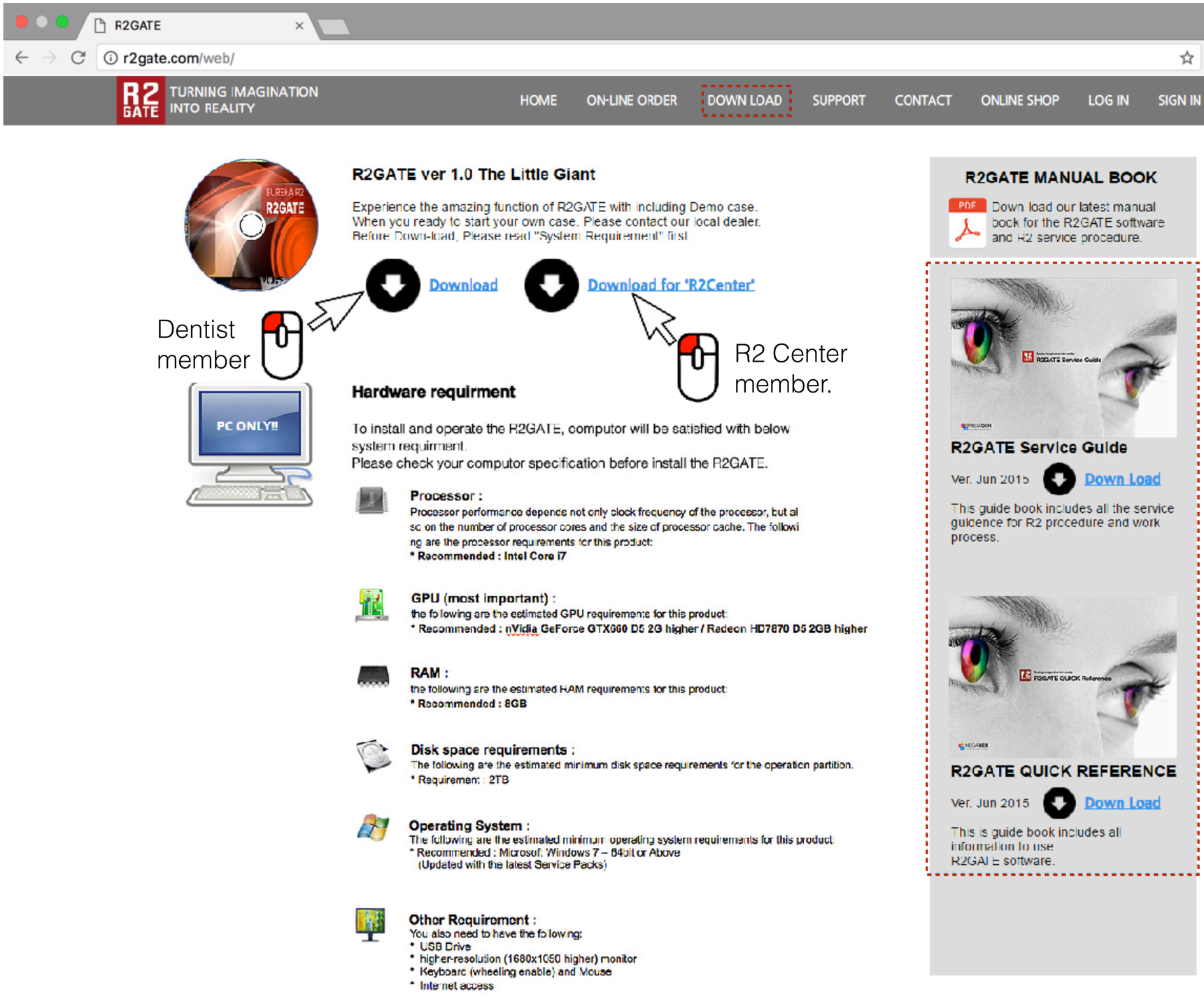
3. There are two guide book on the right column on the website.

- R2GATE service guide.

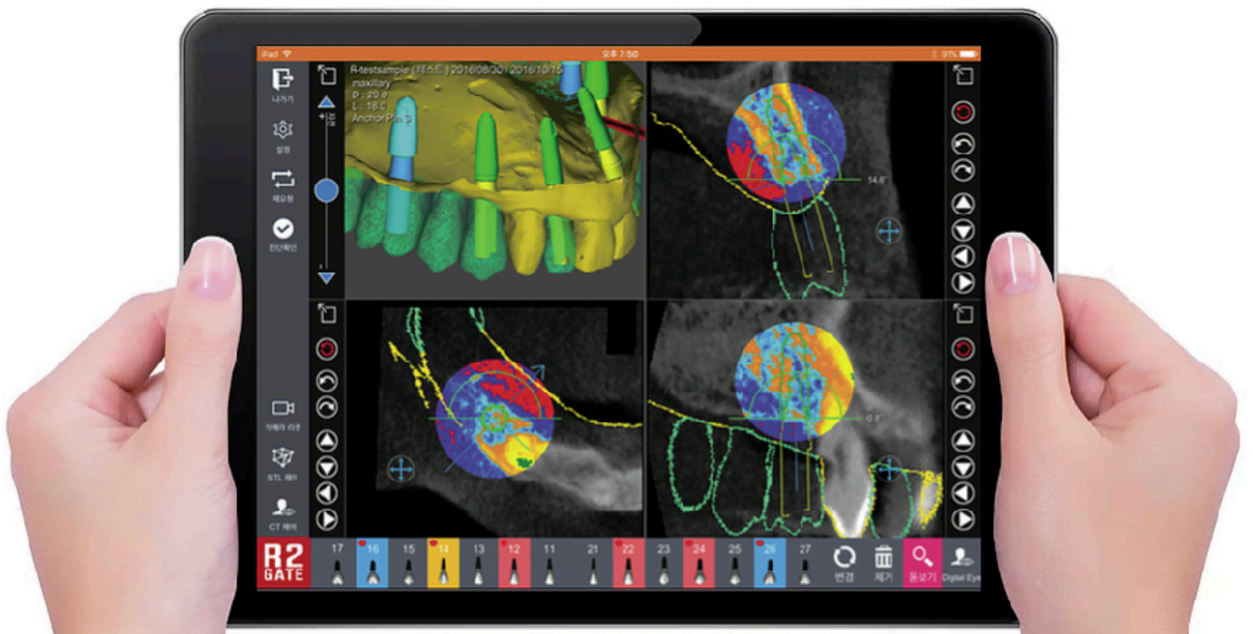
Work procedure, Chair-side preparation, Surgical sequence.

- R2GATE Quick Reference

Software manual



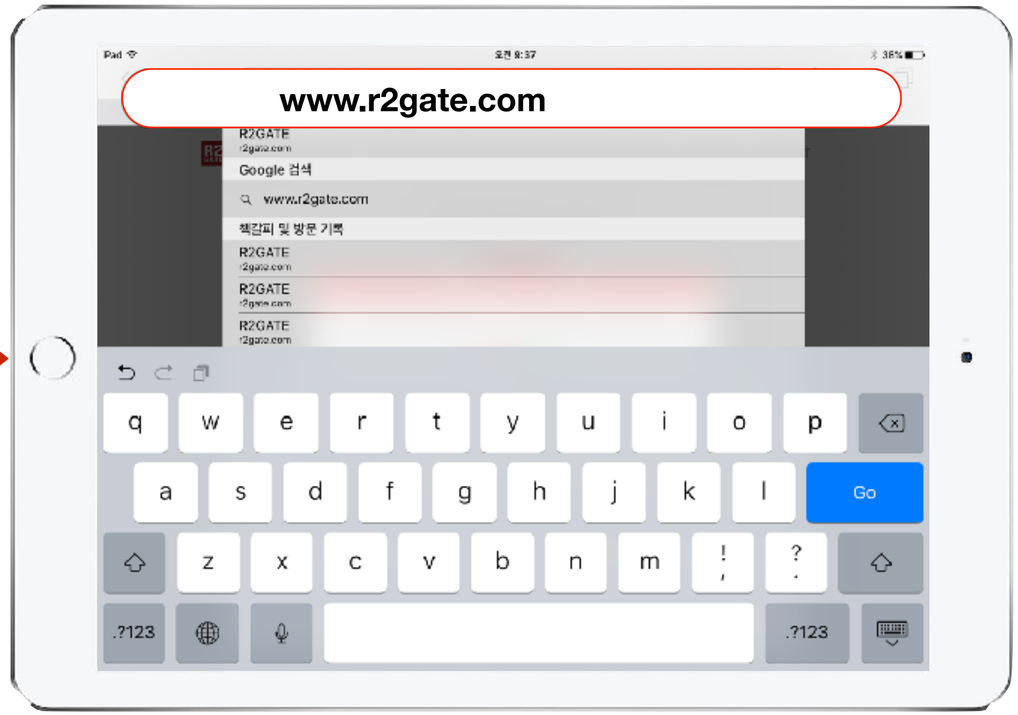
How to down-load the R2GATE Lite

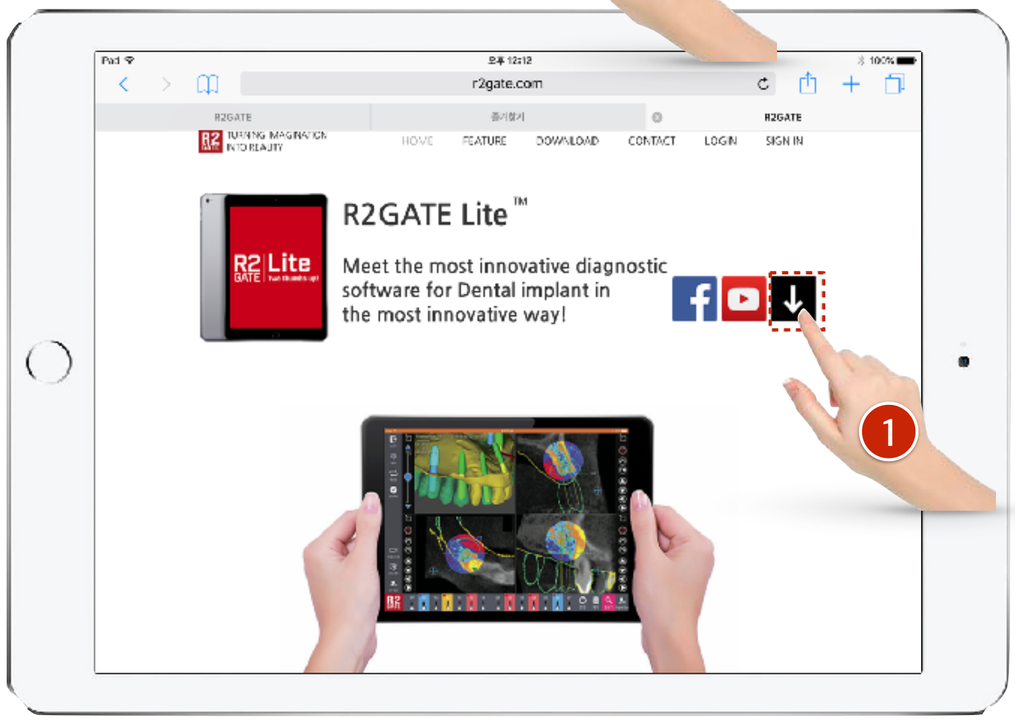


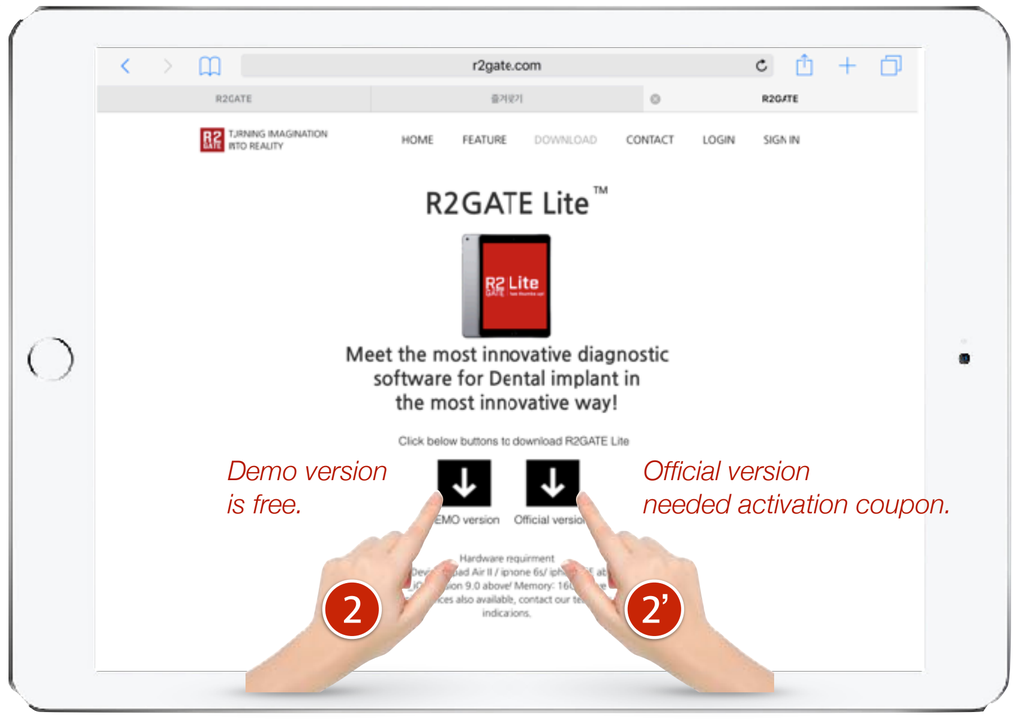
It is the image of R2GATE Lite version. To down-load R2GATE Lite version please access to www.r2gate.com with mobile devices.

Turning imagination
into reality

1.Using your I pad (I-pad air II above version), access to our mobile website “www.r2gate.com"







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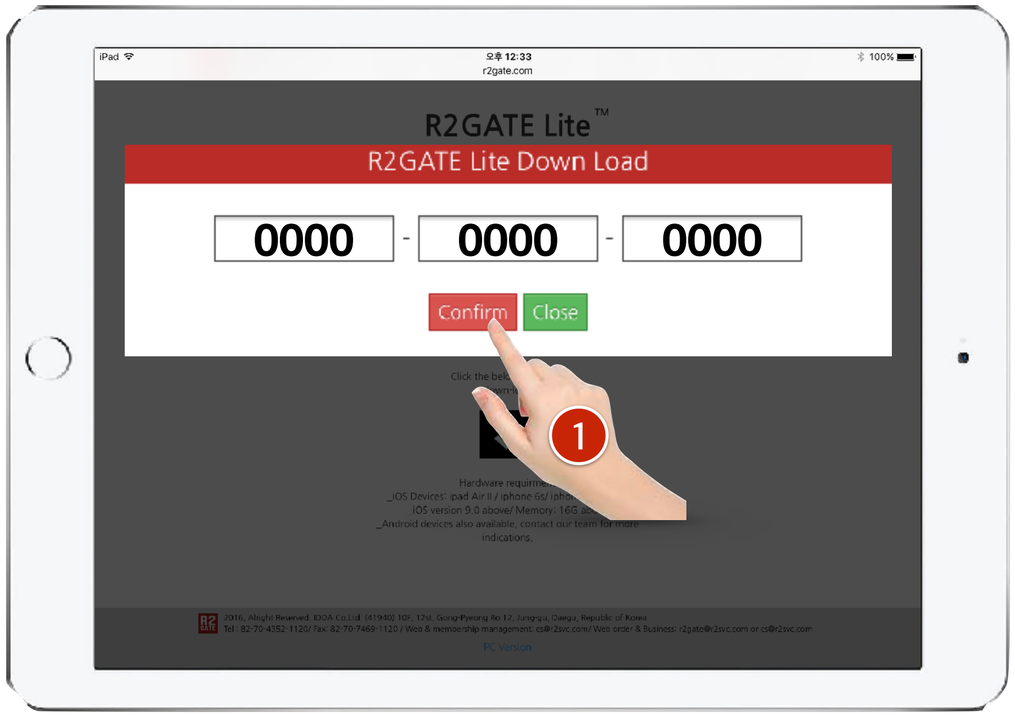

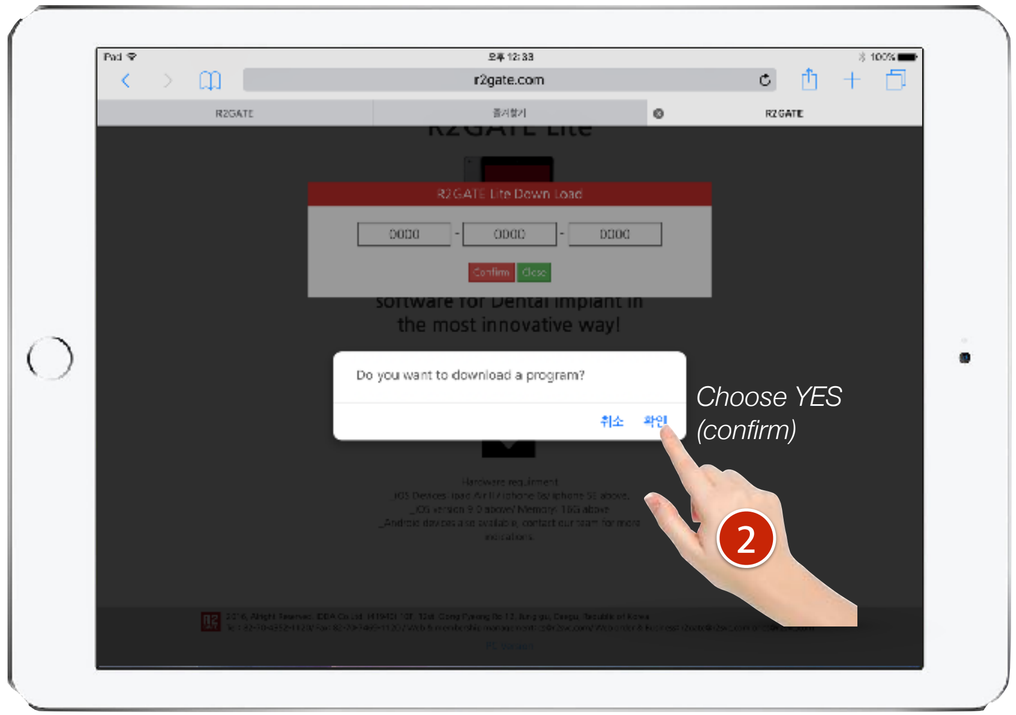

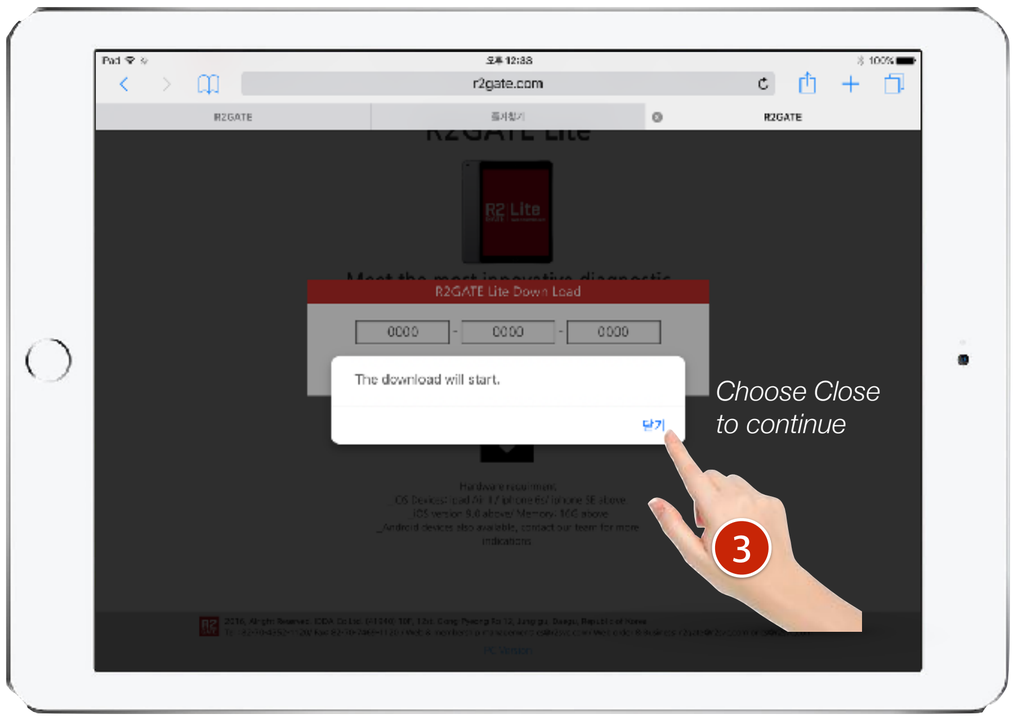

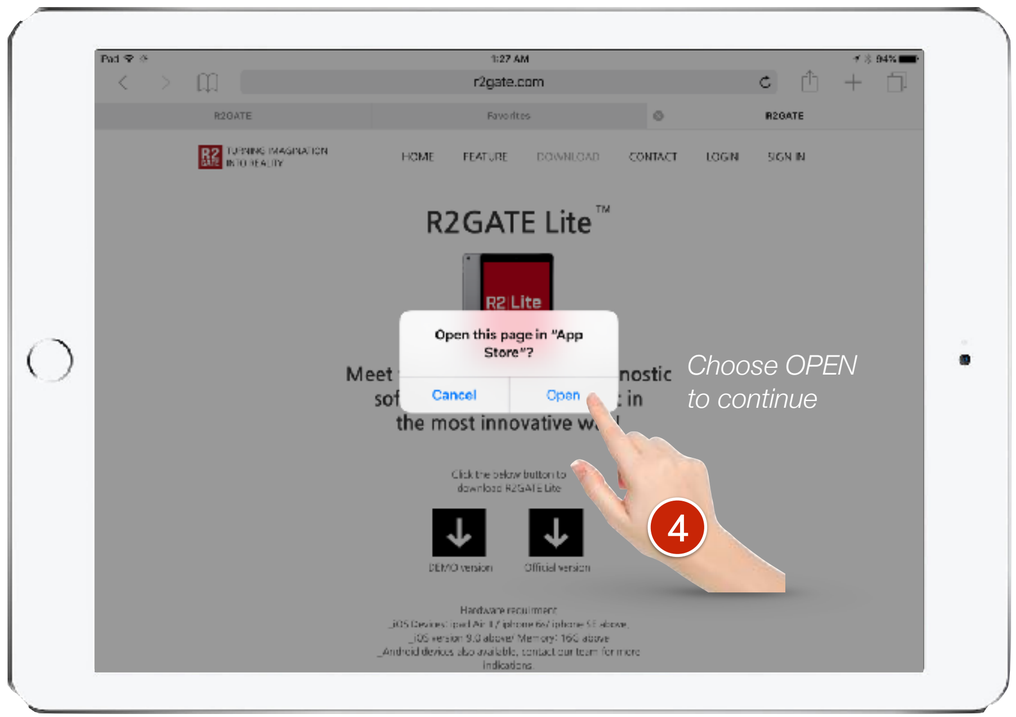

r2gate.com
R2GATE
Favorites
R2GATE
HOME
FEATURE
DOWNLOAD
CONTACT
LOGIN
SIGN IN
R2GATE Lite™
R2 Lite
www.r2gate.com would like to install "R2Gate Mobile"
Cancel
Install
the most innovative wa
Choose Install
5
Hardware requirement

FaceTime
Photo Booth
iTunes Store
App Store
iBooks
Podcast
Keynote
Safari
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FaceTime
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App Store
iBooks
Podcast
Keynote
R2GATE Mobile
Polaris Office
Safari
Mail
6

Settings
General
Airplane Mode
Wi-Fi
MEGAGEN6F-1
Bluetooth
On
Notifications
Control Center
Do Not Disturb
General
Display & Brightness
Wallpaper
Sounds
Touch ID & Passcode
Battery
Privacy
Background App Refresh
Auto-Lock
Never
Restrictions
Off
Date & Time
Keyboard
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iTunes Wi-Fi Sync
VPN
Not Connected
Device Management
Megagen Implant Co. Ltd
Regulatory
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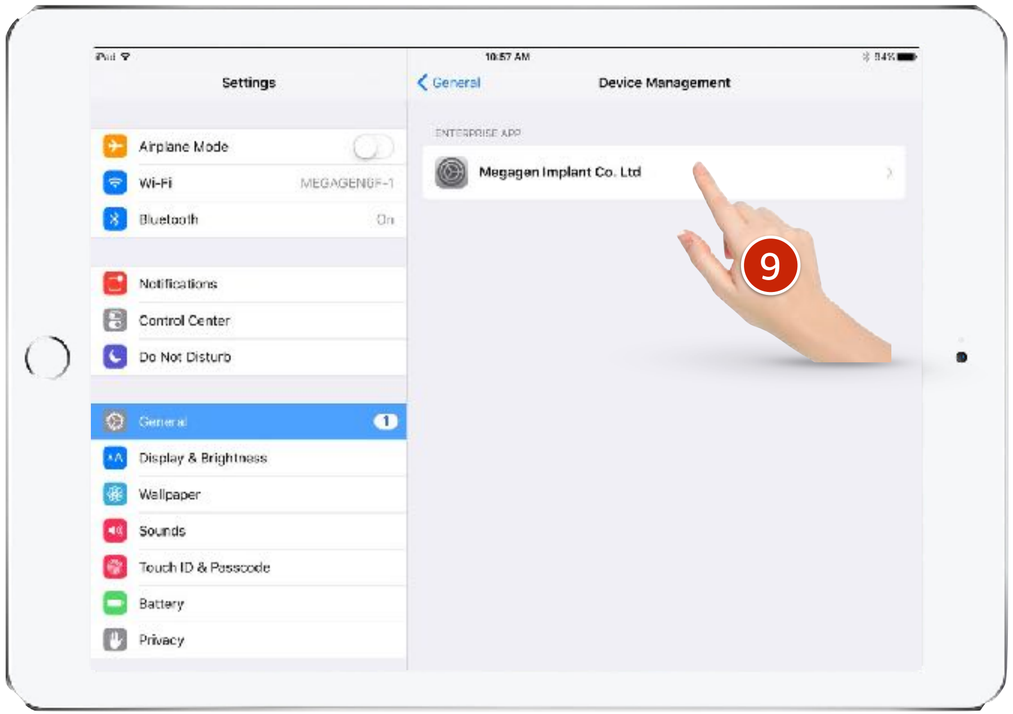
Settings
General
Device Management
ENTERPRISE APP
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Airplane Mode
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Notifications
Control Center
Do Not Disturb
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Display & Brightness
Wallpaper
Sounds
Touch ID & Passcode
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Privacy
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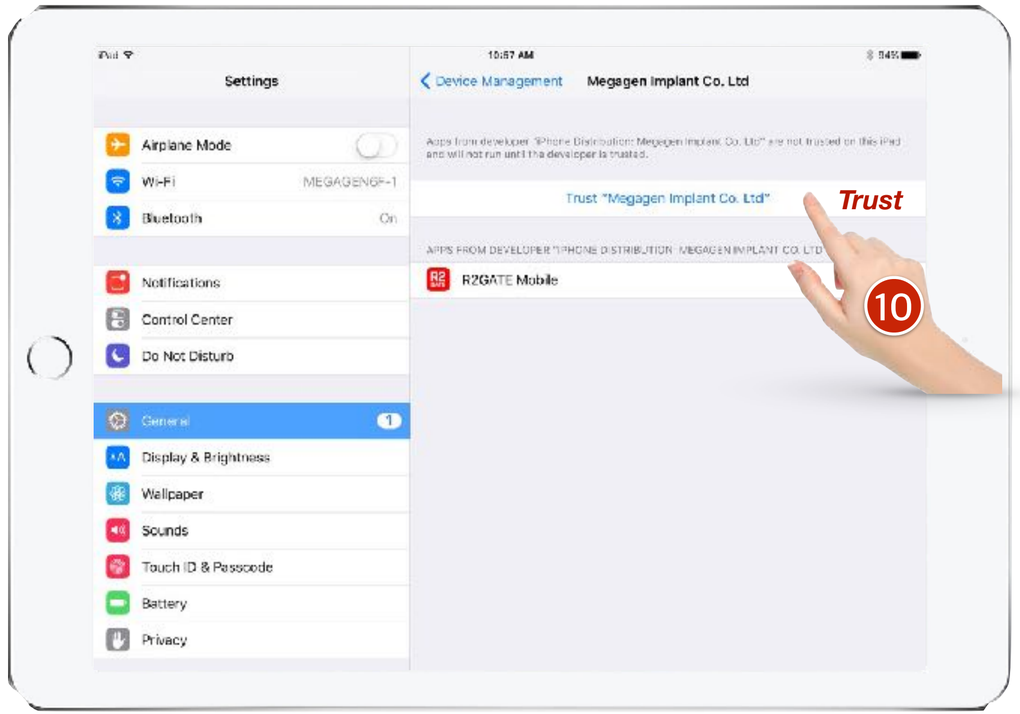
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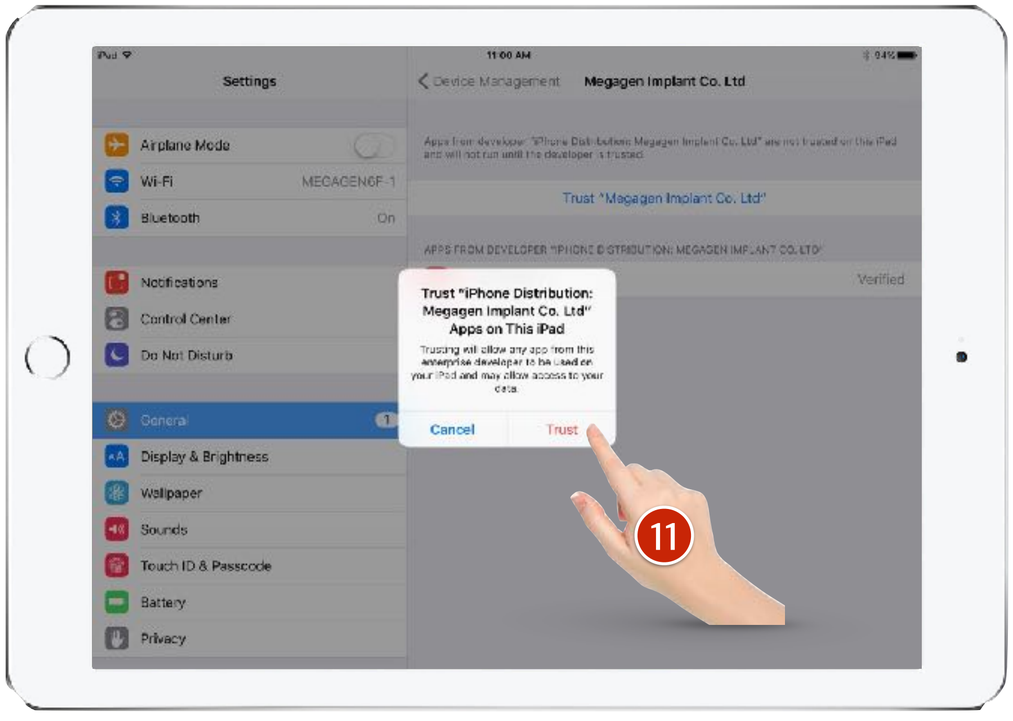
Trust
R2GATE Mobile
10


Settings
Device Management
Megagen Implant Co. Ltd
Airplane Mode
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General
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Touch ID & Passcode
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Privacy
Trust "Megagen Implant Co. Ltd"
Verified
Trust "iPhone Distribution: Megagen Implant Co. Ltd" Apps on This iPad
Cancel
Trust
11

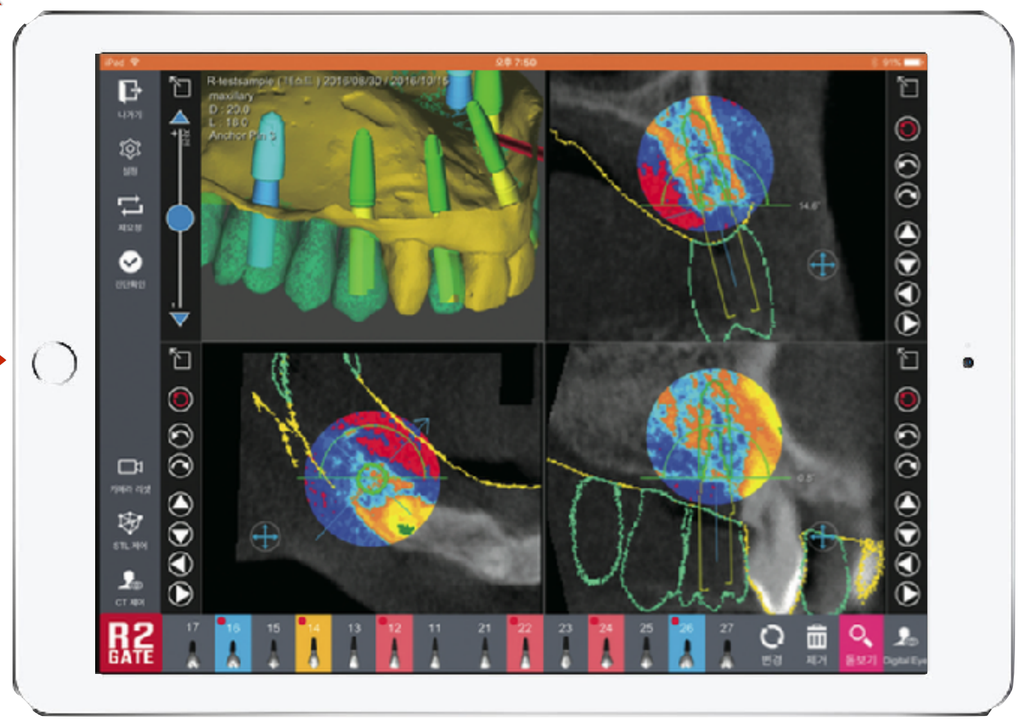
FaceTime
Photo Booth
iTunes Store
App Store
iBooks
Podcast
Keynote
Polaris Office
Mail

Turning imagination
into reality

Online Order List
: it's your order list needed confirmation.

Demo version?
: There are 3 demo cases. open it and test it.

Saved project list
: When you open the case from Online order list and save it or confirm the case, it's automatically saved here.
you can open the confirmed case, but can't send it to R2 Center.



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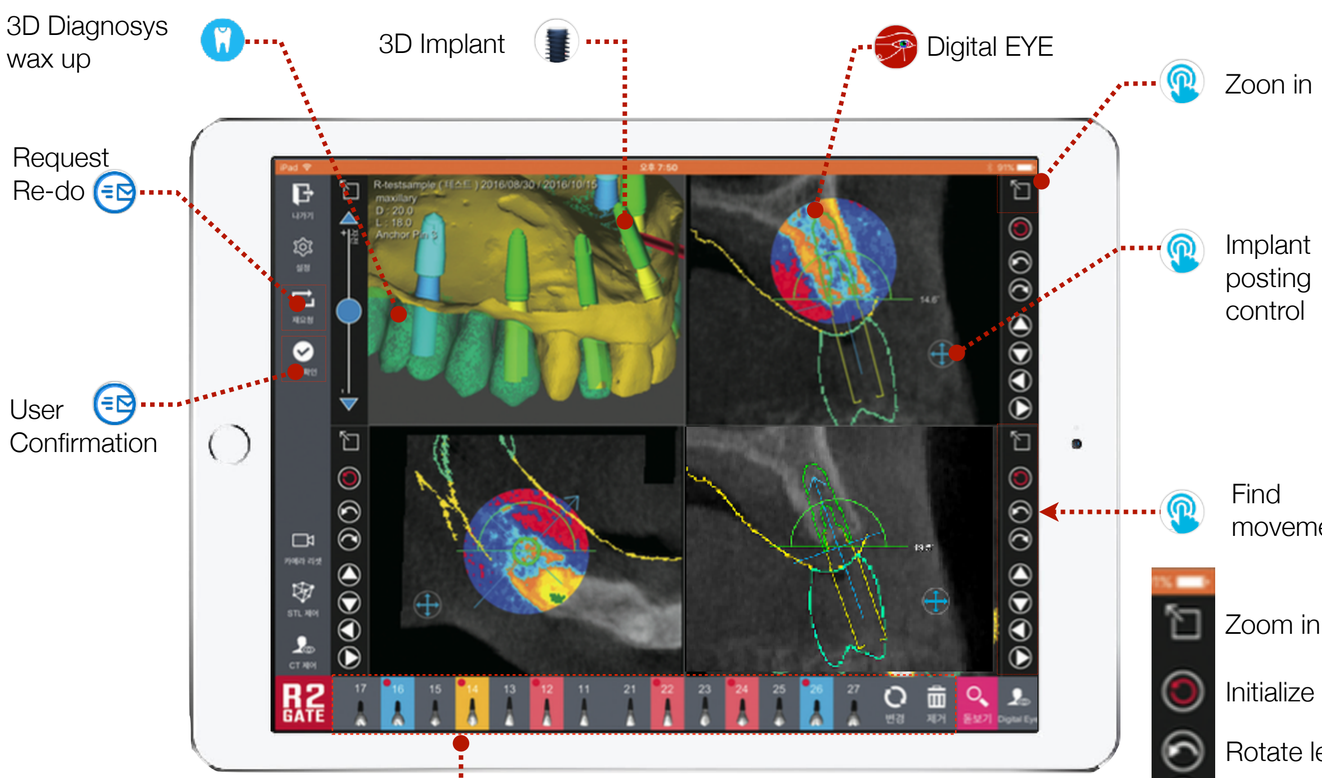
R2GATE Lite™

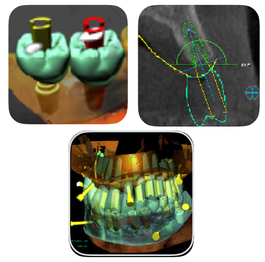
Light but powerful function.

Showing the essential information in simpler way is the innovation.



You can easily select, add, remove, or modify an implant. Using a dental formula on the bottom of the screen, you can edit an implant that is currently loaded on the planning. Pink color represents an implant that is already loaded, yellow for selected implant, blue for newly created implant. Red dot in the selected implant indicates that user modi ed the size, position, or angle of that implant.

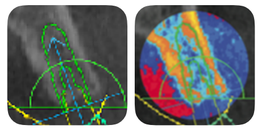
3 essential elements for implant planning : BONE, Soft tissue, Teeth



For an ideal implant treatment, cortical bone, gingiva, and prosthetics must work together.
R2GATE intuitively analyzes and shows the condition of cortical bone and gingiva, and possible prosthetics for best treatment planning.

Especially for multiple-implant cases, you can comprehend distance between implants/ platform level/ angle beforehand for simpler treatment and prosthetic procedure.

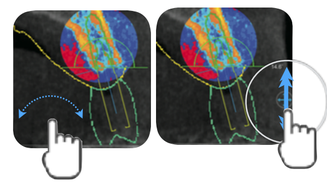
Digital EYE™



Regular black and white CT analyzes the data in 256-level of shades, we can only detect 16 levels with naked eyes.
R2GATE Digital EYE regenerates 256 shades into color to deliver much detailed, intuitive bone condition.

Also, it standardizes the brightness level that each CT equipment has and provides objective HOUNS FIELD UNIT. This is significantly differ from the color that other CT data provides.

Shit, Zoom-in&out, Rotate handy with finger.



position the implant freely with your finger.
· Rotating Implant: Lightly touch the screen and drag to rotate the implant preferably.

·move Implant: Lightly touch the gn from the lower part of the screen, and drag to move the implant position preferably.

· Zoom in & out: You can easily zoom in & out by using two fingers.

Please use “Moving Key” on the right corner of the screen if accurate adjustment is needed.

Fast and easy confirmation.

Using 'Check diagnosis' button, you can easily check the diagnosis. You can also con rm the diagnosis or send the modi ed diagnosis to Center. If you need to change a model or implant site, use "Request re-do" button and receive modi ed diagnosis.

Auto recording

All the information that you have done through R2GATE Lite is automatically saved, and all confirmation or modified data will be sent to R2Center.