

# Magic Surgical System

## P.B.R TECHNIQUE (Peripheral Bone Removal Technique)

- Indication : To form a placement hole in soft bone  
To form a placement hole in hard bone

### Step1. Position marking



- Make initial indentation and mark the placement position. (2mm depth)

When esthetic concern is required	Esthetic concern is not required
Min. 3mm between 2 fixtures	Min. 2mm between 2 fixtures
Min. 1.5mm between fixture and natural tooth or fixture. Buccal bone thickness of min. 2mm	Min. 1mm between fixture and natural tooth or fixture. Buccal bone thickness of min. 1mm
Fixture palatal bone thickness of min. 1mm	Fixture palatal bone thickness of min. 1mm

### Drill selection according to primary bone classification

#### MagiCore

MagiCore Bone Type	Ø 4.0mm	Ø 4.5mm	Ø 5.0mm	Ø 5.5mm	Ø 6.0mm	Ø 6.5mm
Soft Bone (Q3)	MD33	MD33	MD38	MD43	MD48	MD53
Hard Bone (Q2)		MD38	MD43	MD48	MD53	MD58
Very Hard Bone (Q1)	MD38	MD43	MD48	MD53	MD58	MD63

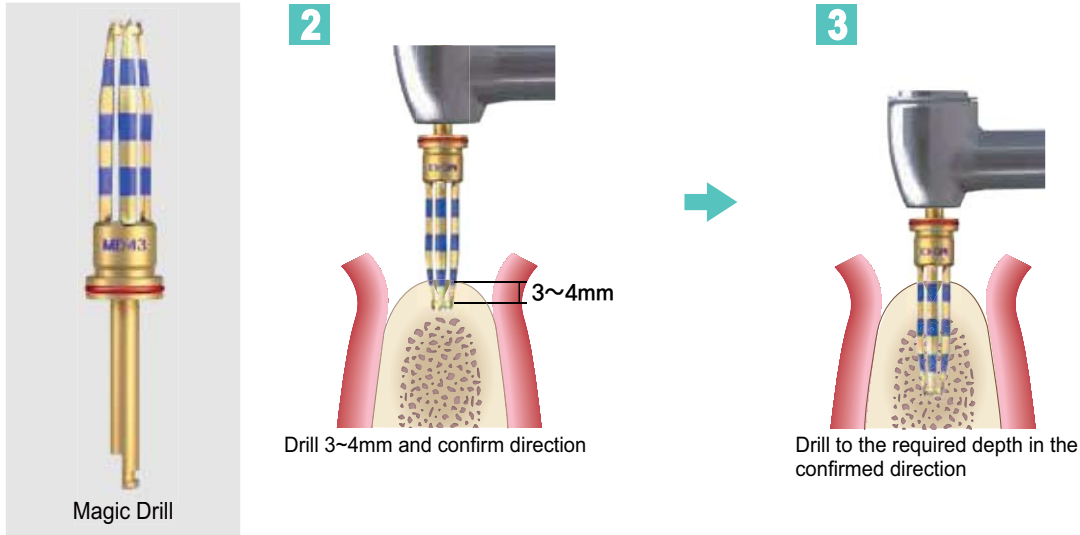
#### Magic FC

Magic FC Bone Type	Ø 4.0mm	Ø 4.5mm	Ø 5.0mm	Ø 5.5mm	Ø 6.0mm	Ø 6.5mm
Soft Bone	MD38	MD38	MD43	MD48	MD53	MD58
Hard Bone		MD43	MD48	MD53	MD58	MD63

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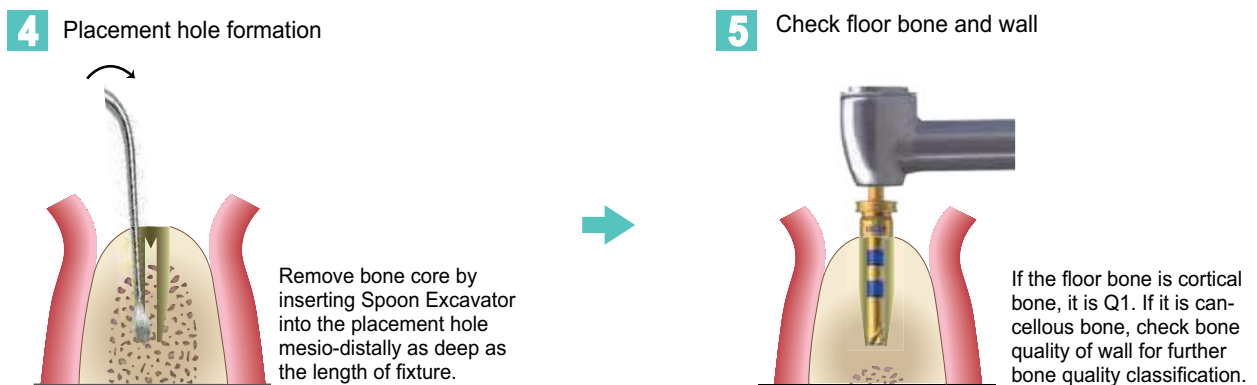
## Step2. Direction and depth of Magic Drill

- Use of Drill Stopper possible for Magic Drill
- Make up & down movement during drilling every 3-4 seconds. (Do not twist with wrist). Intermittently apply vertical pressure during drilling (bone dancing).



## Step3. Placement hole formation and secondary bone classification

- Remove bone core using spoon excavator and check bone quality of placement hole wall
- If bone was classified as hard bone in the Primary Classification stage, use Magic Depth Drill to check floor bone.



## Step4. Secondary bone quality checking and precaution for drilling and fixture placement

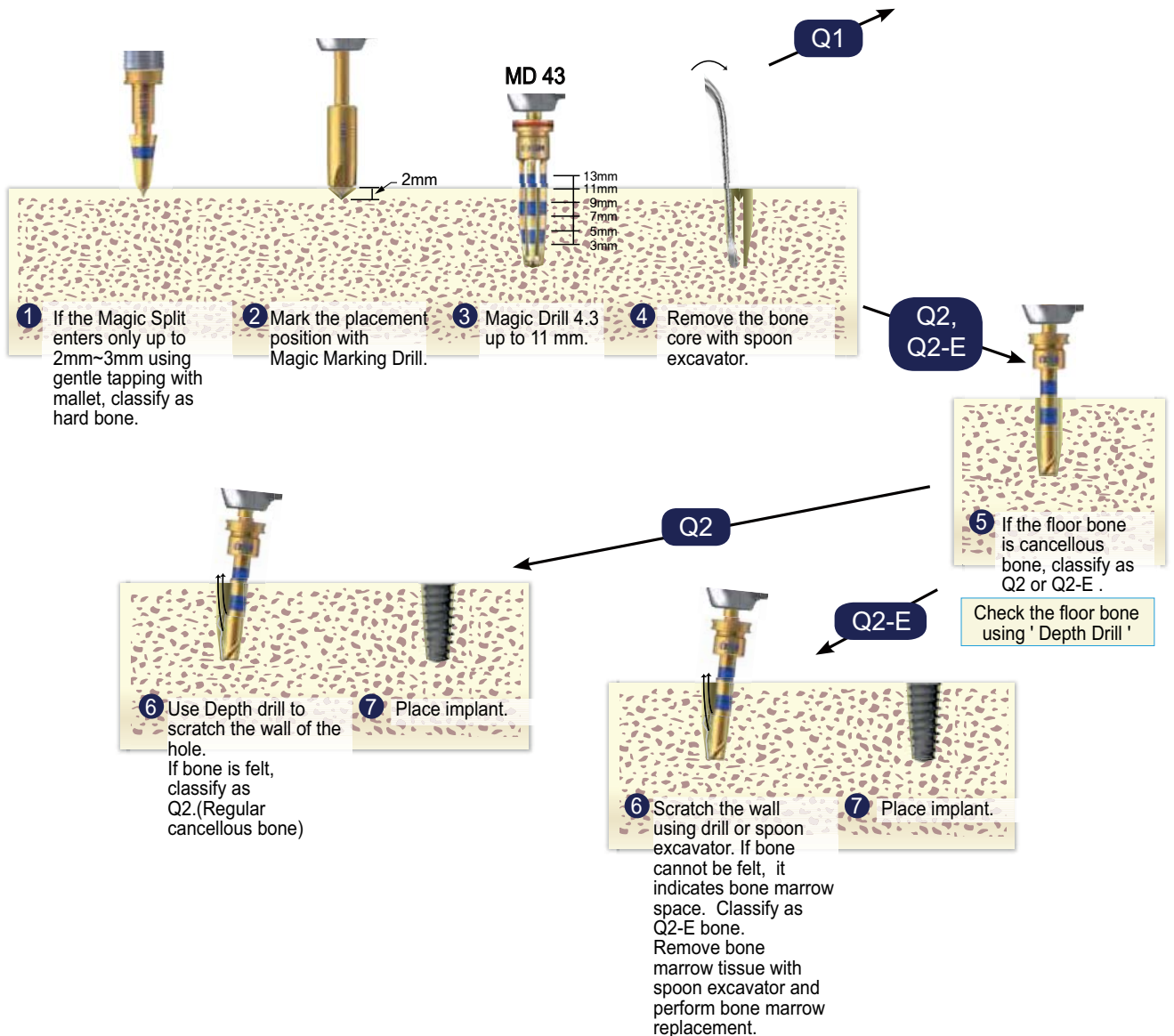
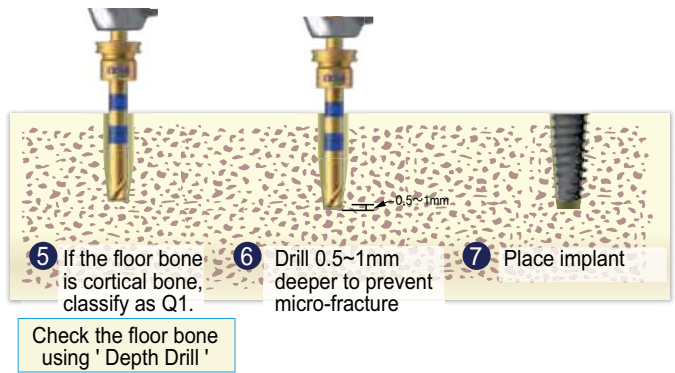
- Enables doctors to classify bone according to the conditions of the cortical/cancellous bone around the placement hole.
- Place fixture at bone level for Q1, Q2, Q2-E, and Q3-E. For Q-3 bone, place fixture 0.5mm subcrestally.
- 2-stage surgery is required.
- Speed at 25rpm or less torque 30N/cm or less.
- For Q1 bone, drill 1mm deeper than the length of the implant in order to prevent micro-fracture of the bone in case of overturning of the fixture during placement.

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## In case of placing Magic FC4511 (Ø4.5, 11mm)

### Hard bone

Bone Quality	Loading Time
Q1	Immediate loading
Q2	If more than 5mm cortical bone : immediate loading
	If less than 5mm cortical bone : early loading
Q2-E	loading after 4~5 months



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## Soft bone

Bone Quality	Loading Time
Q3	loading after 4~5 months
Q3-E	loading after 8 months

