RAPID LUXATION

Patella Correction – Safe And Simple

Patellar Luxations are frequently seen in dogs and cats. In the past, correcting these could prove to be challenging, but RAPID LUXATION has simplified the technique and instrumentation.

Testing The Stifle During The Surgery

The uniquely designed Tibia Tappet allows you to move the tibial tuberosity very accurately and test the functionality of the new position during the surgery, before placing the screws.

Once you have reached the desired position, you can fixate with the patellar spacer and screws.

Secure Construction

The screws securely fix the plate and spacer together and do not allow movement of the bone, which is essential for quick bone growth.
If you realize a re-correction is necessary post operatively, you only need to replace the spacer by another size.

Three Different Sizes

The RAPID LUXATION Patella Plates are available in three different sizes: Petite/Tiny (2.0mm), Medium (2.4mm) and Large (2.4mm).

Compatible With TTA RAPID®

RAPID LUXATION is compatible with TTA RAPID® since both techniques use identical instrumentation (sawguide, tibia tappet, etc.), screws and patella spacers.

RAPID LUXATION PLATING SYSTEM

Special Thanks to
Emile Pickee

RAPID LUXATION

RITA LEIBINGER MEDICAL

RAPID LUXATION Surgery Protocol Placement of the patient

The dog is placed in a dorsal recumbency with the affected limb suspended from a stand. Make sure that the dog's paws are not fixed too tightly, since the affected limb will be put against the table later in the surgery. Rapid Luxation is performed through a medial skin incision.

Using the saw guide

The saw guide is an L-shaped device developed to facilitate the correct position of the osteotomy. It has been developed to ensure a sufficiently large cranial fragment is created for screw placement. The vertical arm of the guide has 2.5mm holes placed at strategic points, over a 1mm wide slot. The numbers beside the holes result from the TTA Rapid technique, where the saw guides were originally developed for but will also be appropriate for the Rapid Luxation technique in order to prevent making a too distal osteotomy. The horizontal arm of the guide is a scale in millimeters. This will prevent making a too caudal osteotomy.

Making the osteotomy

1.) A 2.5mm pin is placed through the joint capsule at the intersection of the femoral condyle and the tibial plateau. On the lateral side, the pin should start slightly in front of the level of "Gerdy's Tubercle". This pin is used as the proximal fixation of the saw guide.

2.) The guide is dropped over the pin using one of the numbered holes in the vertical arm. The number should be selected accordingly that the osteotomy will end below the Tibia Tuberosity.

3.) A peg is placed into one of the holes in the horizontal arm of the saw guide, selecting the cortical thickness in millimeters measured during pre-operative planning.

4.) Press the saw guide against the medial aspect of the tibia with protruding peg forced up against the cranial side of the tibia. Hold it in that position. Correct use of the saw guide will place the osteotomy just caudal to the cranial cortex of the tibia. (As a guide: In a large dog the cortex is approximately 5mm thick and in a small dog approximately 3mm.)

DO NOT PRESS THE HORIZONTAL ARM AGAINST THE BONE, AS THIS WILL CAUSE AN OBLIQUE OSTEOTOMY!

5.) Use an oscillating saw to create the osteotomy. Optionally, a blade can be used to open the fascia/periostium prior to the osteotomy.

Placing the implants

(following the medial Patella Luxation (PL) is described. With lateral PL proceed the placing of the implants in lateral/medial opposite site)

1.) The Rapid Luxation Plate is placed on the tibia. The osteotomy should be in the middle of the Rapid Luxation Plate. The Rapid Luxation Plate is then screwed on the caudal side of the tibia (for MPL, (place screws on the cranial side for lateral patella luxation).

2.) The Tibia Tappet is inserted in the cranial screw holes (top and centre screw hole for the 3-hole plates) of the Rapid Luxation Plate.

3.) Then the tappet can be rotated, it fixates itself in the screw holes of the Rapid Luxation Plate and transposes the tibia crest to the lateral side. The scale (in mm) on the top of the instruments shows exactly how far tibia crest is transposed

4.) During transposition using the tappet the stifle can be flexed and extended to check if there is perfect alignment of the patella and if the patella stays in place. If the alignment is not optimal, the transposition can be further increased.

5.) Finally the spacer will be placed between the plate and the bone. The tappet can then be removed. The cranial screws can be placed.

Close the fascia where possible. Close the wound in a routine fashion.

Video

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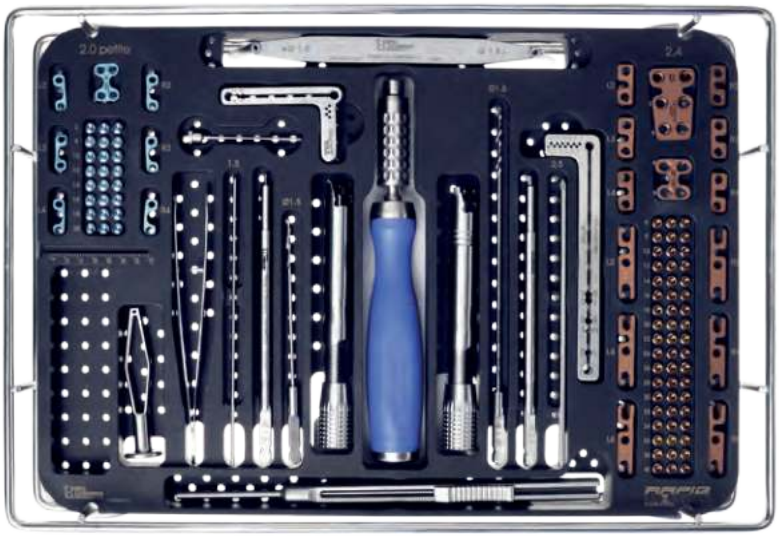
RAPID LUXATION Set

Contains:
Sterilization Tray with Lid
3 of each 2.0mm Screw (6-20mm)
(24 pcs. total)
3 of each 2.4mm Screw (6-40mm)
(54 pcs. total)
1 of each Rapid Luxation Plate
(3 pcs. total)
1 of each Patella Spacer (18 pcs. total)
Large Sawguide with Pin & K-Wire
Petite Sawguide with Pin & K-Wire
Tibia Tappet „Petite“
Tibia Tappet „Standard“
Screwdriver Handle
Screw Driver Shaft 2.4/2.0 or T8
Holding Sleeve (Hexagonal Set only)
Plate Holding Forceps
Depth Gauge
Drill Guide
Drills 1.5 + 1.8



Set with Hexagonal Screws

132-8000-00

Set with Stardrive Screws

132-8000-01

Tray without content

132-8000-10

New! Online Workshops:
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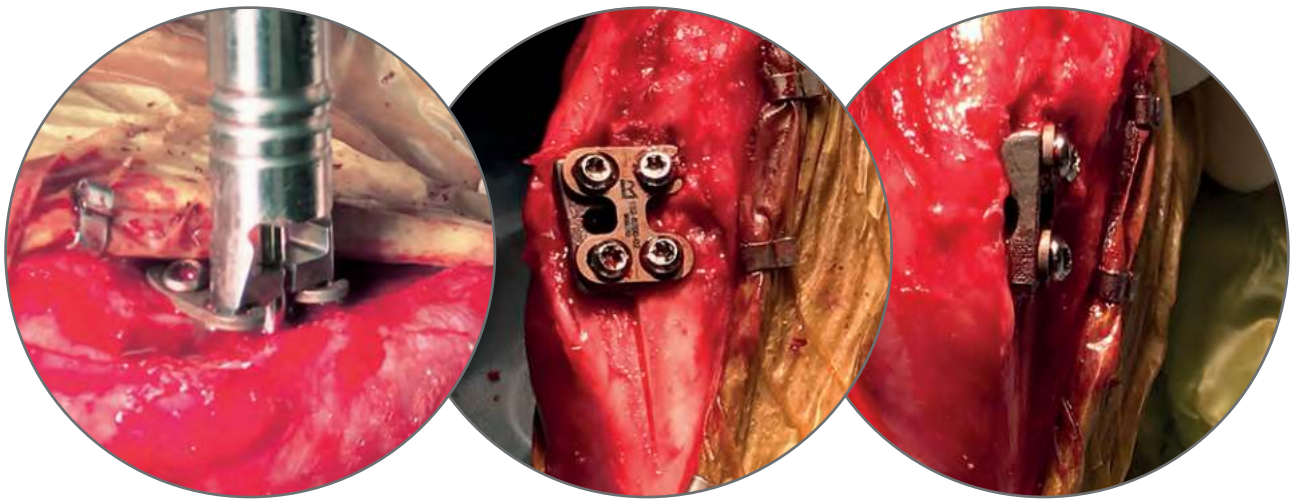

Luxation Plate

6-hole, 1.5 mm thick, with gliding holes, for 2.4 mm screws, Titanium

132-8200-01

Spacer

Product Code	Spacer left
132-8010-02L	2 mm height, 3 holes, left
132-8010-04L	4 mm height, 3 holes, left
132-8010-06L	6 mm height, 3 holes, left

Product Code	Spacer right
132-8010-02R	2 mm height, 3 holes, right
132-8010-04R	4 mm height, 3 holes, right
132-8010-06R	6 mm height, 3 holes, right

Luxation Plate

4-hole, 1 mm thick, with gliding holes for 2.4 mm screws, Titanium

132-8200-02

Spacer

Product Code	Spacer left
132-8020-02L	2 mm height, 2 holes, left
132-8020-03L	3 mm height, 2 holes, left
132-8020-04L	4 mm height, 2 holes, left

Product Code	Spacer right
132-8020-02R	2 mm height, 2 holes, right
132-8020-03R	3 mm height, 2 holes, right
132-8020-04R	4 mm height, 2 holes, right

Luxation Plate Petite

4-hole, 1 mm thick, with gliding holes for 2.0 mm screws, Titanium

132-8200-03

Spacer

Product Code	Spacer left
132-8030-01L	1 mm height, 2 holes, left
132-8030-02L	2 mm height, 2 holes, left
132-8030-03L	3 mm height, 2 holes, left
132-8030-04L	4 mm height, 2 holes, left

Product Code	Spacer right
132-8030-01R	1 mm height, 2 holes, right
132-8030-02R	2 mm height, 2 holes, right
132-8030-03R	3 mm height, 2 holes, right
132-8030-04R	4 mm height, 2 holes, right

2.0 Self-tapping Screws, Titanium

Hexagonal or **Star Drive** head, self tapping, with three flute cutting edge

Length (mm)	Hexagonal (Petite)	Star Drive (Petite)
5		245-520-05
6	245-220-06	245-520-06
7		245-520-07
8	245-220-08	245-520-08
9		245-520-09
10	245-220-10	245-520-10
12	245-220-12	245-520-12
14	245-220-14	245-520-14
16	245-220-16	245-520-16
18	245-220-18	245-520-18
20	245-220-20	245-520-20
22	245-220-22	245-520-22
24	245-220-24	245-520-24
26	245-220-26	245-520-26
28	245-220-28	245-520-28
30	245-220-30	245-520-30

2.4 Self-tapping Screws, Titanium

Hexagonal or **Star Drive** head, self tapping, with three flute cutting edge

Length (mm)	Hexagonal (Standard)	Star Drive (Standard)
6	245-224-06	245-524-06
8	245-224-08	245-524-08
10	245-224-10	245-524-10
12	245-224-12	245-524-12
14	245-224-14	245-524-14
16	245-224-16	245-524-16
18	245-224-18	245-524-18
20	245-224-20	245-524-20
22	245-224-22	245-524-22
24	245-224-24	245-524-24
26	245-224-26	245-524-26
28	245-224-28	245-524-28
30	245-224-30	245-524-30
32	245-224-32	245-524-32
34	245-224-34	245-524-34
36	245-224-36	245-524-36
38	245-224-38	245-524-38
40	245-224-40	245-524-40

Tibia Tappet

For inserting Patella Luxation Spacers

Product Code	Description
132-4071-00	Petite / Tiny 2.0 mm
132-4070-00	Standard 2.4 mm

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Patella Saw

With standard sawblade, incl. Allen Wrench 1.5mm

23-1005-90

Twist Drill

Product Code	Ø (mm)	Length (mm)	Connec-tion
148-0080-15	1.5 (Petite)	70/30	straight sh.
148-0080-18	1.8 (Stand.)	125/25	straight sh.

Product Code	Ø (mm)	Length (mm)	Connec-tion
148-0081-15	1.5 (Petite)	85/60	AO QC
148-0081-18	1.8 (Stand.)	125/25	AO QC

Depth Gauge

Product Code	Description
164-1520-20	Petite 2.0 mm
164-2735-60	Standard 2.4 mm

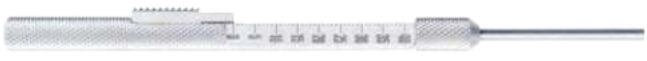

Plate Holding Forceps

90 mm, curved

164-0050-09

RAPID LUXATION Saw Guide

Product Code	Description
132-4040-00	for plates 132-8200-01 & -02
132-4041-00	for plates 132-8200-02 & -03
132-4042-00	for Tiny plates 132-8200-03

TTA RAPID ® Saw Guide Pin

Ø 1.0mm

132-4030-10

Screwdriver Handle

Silicone, AO-Connection
sterilizable up to 134°C / 273°F

247-0103-00

Screw Driver Shaft Hexagonal

AO conncection, (Holding Sleeve recommended)

Product Code	Description
128-0900-15	for 2.0 mm screws „Petite“
128-0900-20	for 2.4 mm screws „Standard“

Holding Sleeve

2.4 mm

128-0940-24

Screw Driver Shaft Star-Drive

AO conncection, self-holding (no Holding Sleeve needed)
Star-Drive 8, for 2.0 & 2.4 mm Screws

128-2024-08

K- Wires, Single Trocar

Product Code	Description
144-1015-10	1.5 mm x 100 mm
144-1025-10	2.5 mm x 100 mm

Drill Guide

1.5 / 1.8 mm, 100 mm length

164-0070-18