

THE NEXT GENERATION OF PECTUS EXCAVATUM SURGERY



Park's Pectus System (NeoPectus Surgery)

Developed by;

Hyung Joo Park, MD, PhD, FCCP



World's Largest Pectus Surgery Experience: 6,700 Cases for 23 Years
Developing 35 New Surgical Technique & Devices: Park's Technique,
Remodel to Physiologically/Anatomically Normal Chest Wall
Safe and Less Complicated Procedure
Creating a Unique Method to Repair Pectus Carinatum and Mixed Deformities
Creating a Unique Method to Repair Pectus Arcuatum
Former President of Chest Wall International Group (CWIG)
Visiting Surgery to USA, France, Portugal, Spain, and Switzerland
Visiting Surgery to Hong Kong, China, Taiwan, Malaysia, Brunei, Vietnam, and Mexico
90 International Lectures Worldwide
Professor Emeritus, The Catholic University of Korea, Seoul St. Mary's Hospital
Director, NeoPectus Center, Gangnam Nanoori Hospital, Seoul, South Korea

- Park's Technique -

GOALS: To lift the depressed chest wall and reconstruct it to become functionally and aesthetically normal.

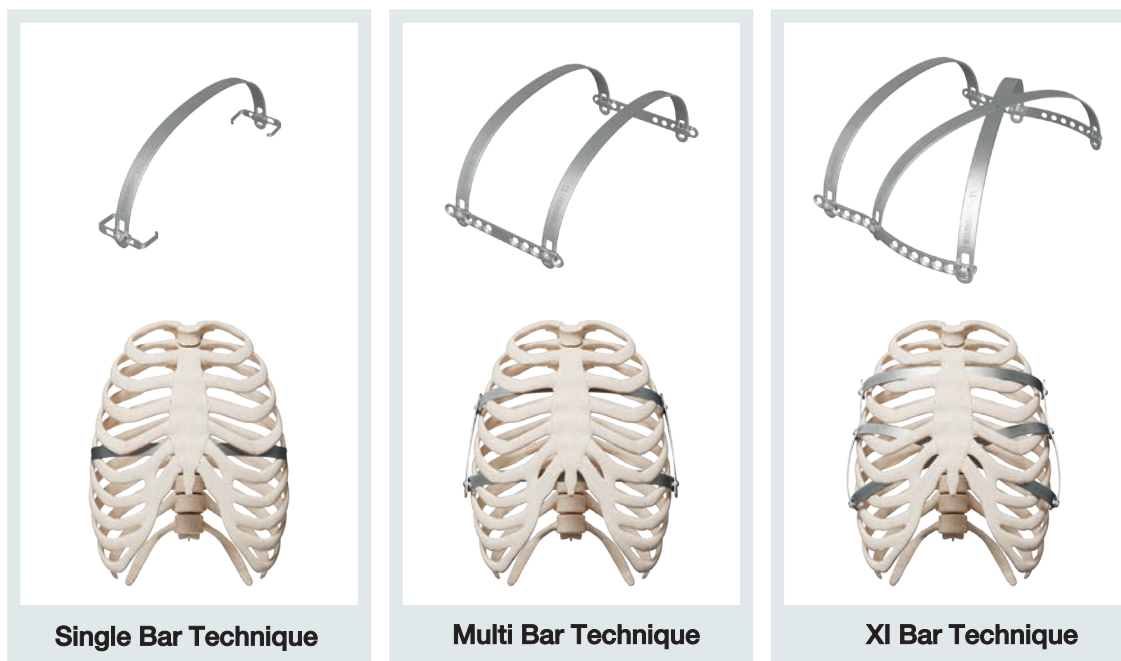
Park's pectus deformity correction approach aims to promote both physical and mental wellbeing by reducing heart compression and restoring a healthy chest wall.

1. Physiological Chest Wall: Relieving Cardiac Compression
2. Anatomical Chest Wall: Remodel to Normal Chest Wall

Park's Pectus System

A safe and simple technique for Pectus Excavatum Correction!

Dr. Park has developed simple and safest minimally invasive pectus implants to remodel the chest disorder. This congenital deformity appears in approximately one of every 1,000 children. This concave funnel shaped chest can pressure the vital organs, resulting in restricted organ growth and shortness of breath.



Bar displacement rate of Bridge Fixator

	POD5	POM4	Difference	P
Upper Bar	86.66 ± 5.31	86.89 ± 5.40	0.23	0.602
Lower Bar	92.39 ± 5.14	92.04 ± 5.22	0.35	0.338

Park's Pectus System

Description ;

Park's Pectus System is used in a minimally invasive surgical procedure to correct pectus excavatum, a type of deformity of the thoracic wall, characterized by a concave shaped chest. This device consists of pectus bar and stabilizer to lift the sternum upwards to lessen the severity of the deformity.

Park's Pectus System includes unique and special devices like the Claw Fixator and Bridge Fixator used in surgical procedures of chest wall deformities.

Features ;

Pectus bar's rounded and smooth ends prevent tissue damages.

It provides with both titanium and stainless bar options
(Titanium is provided to the patients with nickel allergies).

The Claw Fixator stabilizer helps the bar to be attached firmly under the sternum.

The Bridge Fixator is the connection between bars and fixed with clips and nuts.

Crane combo system makes it easy to lift a sternum and press a flare during surgery.

Benefits ;

Minimally invasive technique; no incision in the anterior chest wall, no resection of rib cartilages and no sternal osteotomy

Prevent bar displacement with excellent stability

Best cosmetic result

Reducing operating time

Minimal Blood Loss

Fast recovery

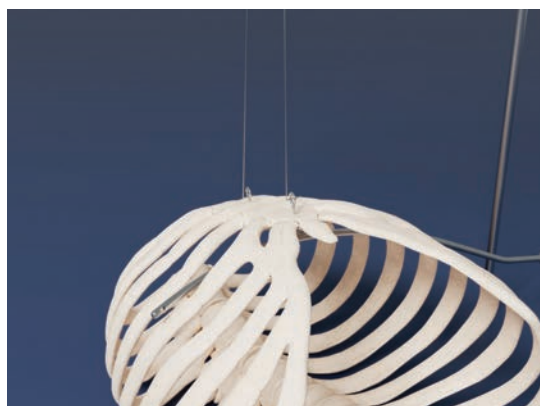
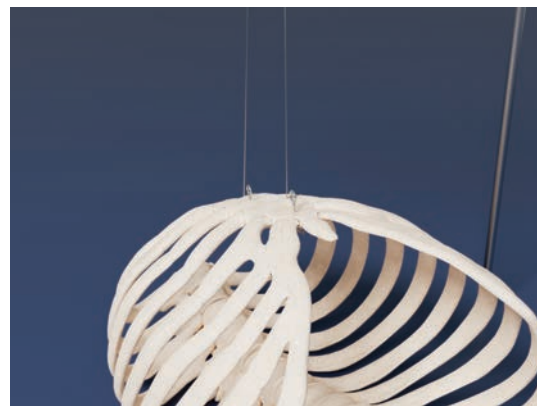
Distinctive Elements of Park's Method

Safe Procedure and Restoring the Anatomical Integrity of the Chest Wall are the Keys to Modern Minimally Invasive Repair of Pectus Deformity.

1 Safety: Crane Technique, Pectoscope (curved dissecting Scope)



- Screw Crane Pre-Lifting of the Sternum

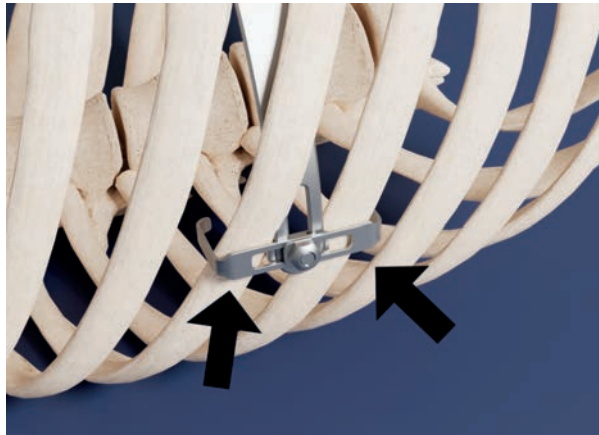


- Pectoscopic Dissection of the Mediastinum



Easy Crane System

2 Pectus Bar Stabilization: Claw Fixator for Single bar, Bridge Plate for Multiple Bars



- Claw Fixators Anchor the Pectus Bar to the Adjacent Ribs



- Bridge Plate Connection of Multiple Bars to Anchor Together



Single Bar



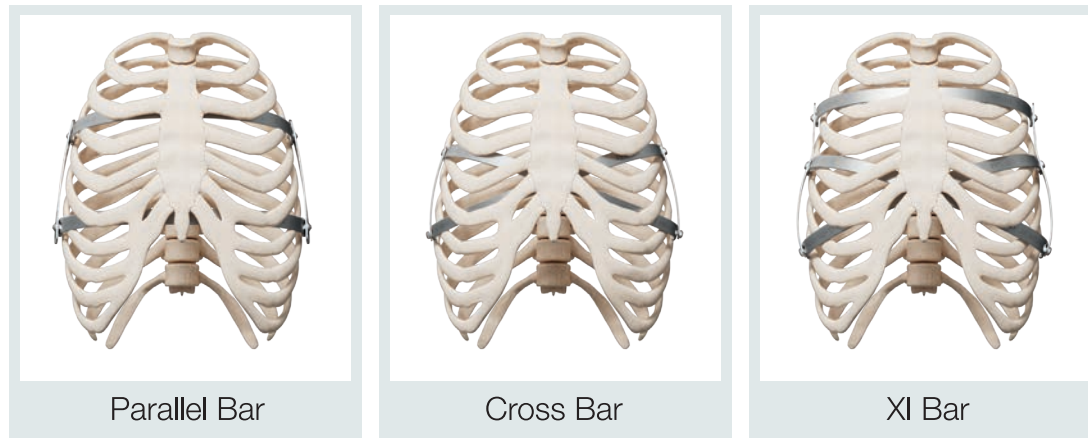
Parallel Bar



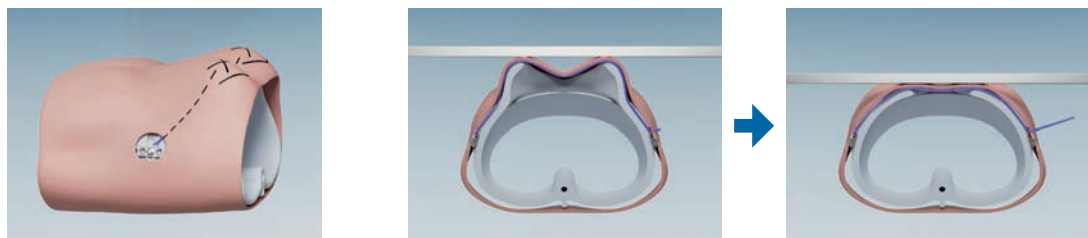
XI Bar

- Multiple Bars with the Bridge Stabilization

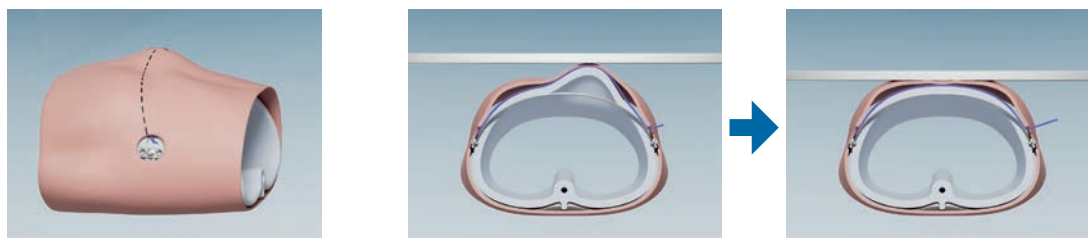
3 Entire Chest Wall Remodeling: Parallel bar, Cross bar, XI bar Technique



4 Relief of Lower Rib Cage Flare and Focal Protuberances after Pectus Excavatum Repair: Flare-buster and the Magic String Technique

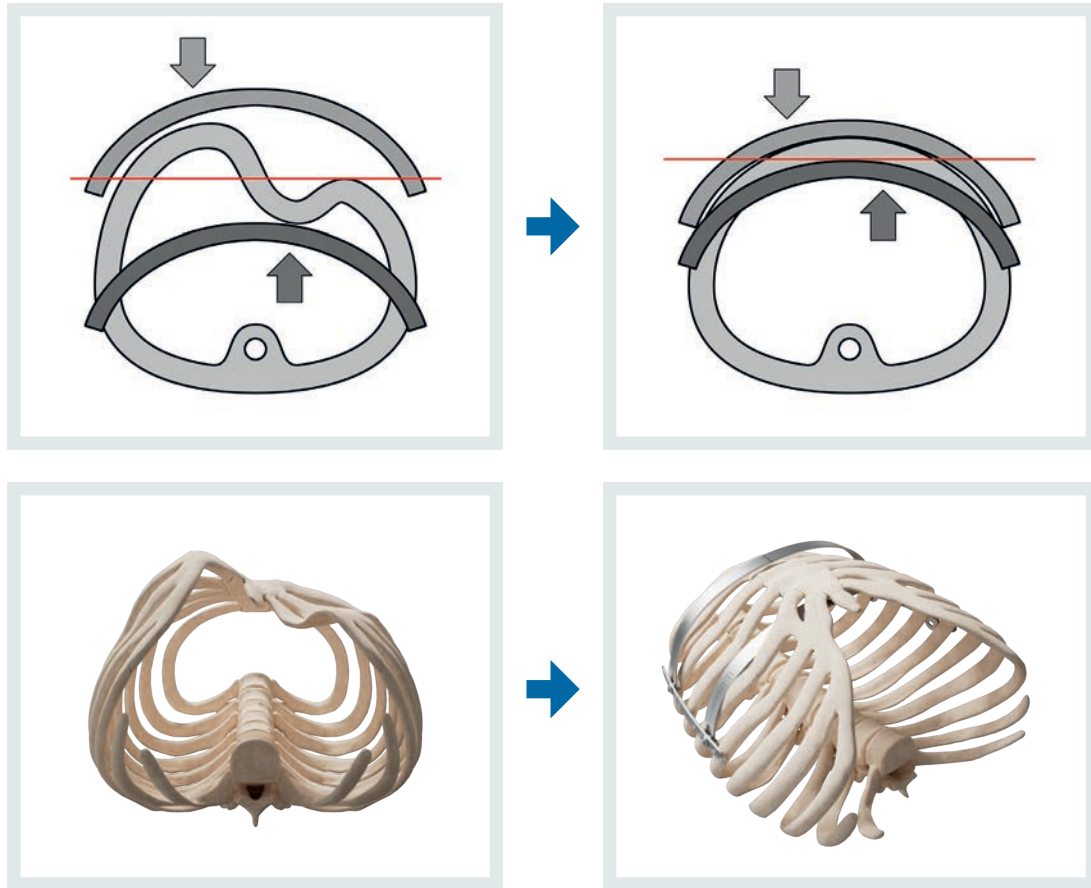


- Flare-buster to Relieve the Lower Costal Flare after PE Repair



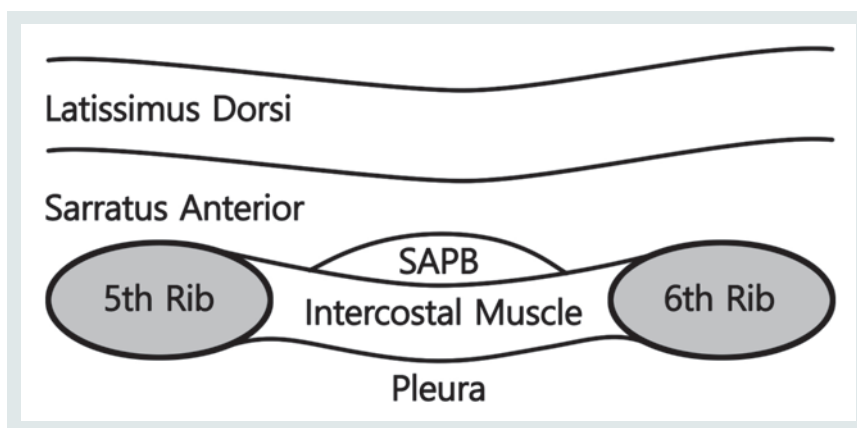
- Magic String Technique to Relieve the Focal Protuberances after PE Repair

5 Pectus Carinatum/Pectus Concavo-convexus Repair: The Sandwich Technique

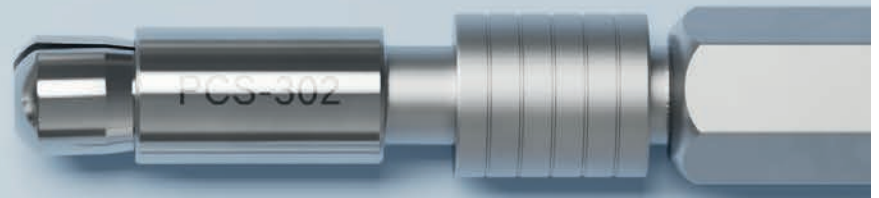


- Sandwich Technique to Repair Pectus Carinatum and Mixed Deformities

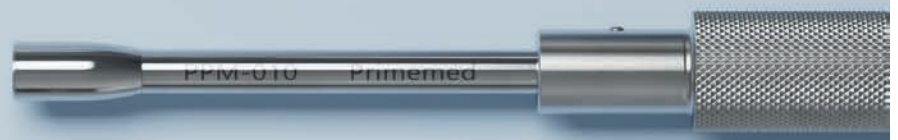
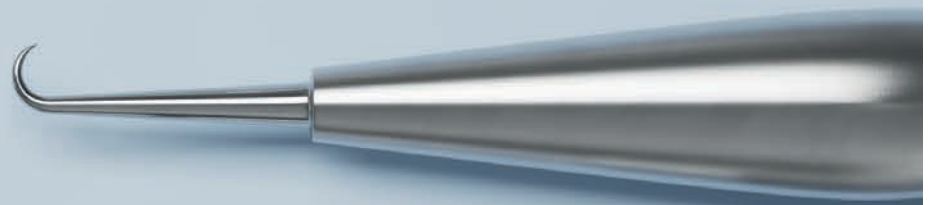
6 Postoperative Pain Management: Serratus Anterior Plane Block (SAPB)



- Local Anesthetic Infusion into the Serratus Anterior Plane



PRODUCT INFO



Park's Modified Pectus Bar

Modified Pectus Bar – Rounded end



Cat #		Description	Thickness	Cat #		Description	Thickness
Titanium Alloy	Stainless Steel			Titanium Alloy	Stainless Steel		
PPE-206	PPE-206S	Modified Pectus bar, 6"	2.8mm	PPE-306	PPE-306S	Modified Pectus bar, 6"	3.0mm
PPE-207	PPE-207S	Modified Pectus bar, 7"		PPE-307	PPE-307S	Modified Pectus bar, 7"	
PPE-208	PPE-208S	Modified Pectus bar, 8"		PPE-308	PPE-308S	Modified Pectus bar, 8"	
PPE-209	PPE-209S	Modified Pectus bar, 9"		PPE-309	PPE-309S	Modified Pectus bar, 9"	
PPE-210	PPE-210S	Modified Pectus bar, 10"		PPE-310	PPE-310S	Modified Pectus bar, 10"	
PPE-211	PPE-211S	Modified Pectus bar, 11"		PPE-311	PPE-311S	Modified Pectus bar, 11"	
PPE-212	PPE-212S	Modified Pectus bar, 12"		PPE-312	PPE-312S	Modified Pectus bar, 12"	
PPE-213	PPE-213S	Modified Pectus bar, 13"		PPE-313	PPE-313S	Modified Pectus bar, 13"	
PPE-214	PPE-214S	Modified Pectus bar, 14"		PPE-314	PPE-314S	Modified Pectus bar, 14"	
PPE-215	PPE-215S	Modified Pectus bar, 15"		PPE-315	PPE-315S	Modified Pectus bar, 15"	
PPE-216	PPE-216S	Modified Pectus bar, 16"		PPE-316	PPE-316S	Modified Pectus bar, 16"	
PPE-217	PPE-217S	Modified Pectus bar, 17"		PPE-317	PPE-317S	Modified Pectus bar, 17"	

Half inch per size available (7.5"~16.5")

Park's Fixation System

Stabilizer – Claw Fixator

Cat #		Description			
Titanium Alloy	Stainless Steel				
PCF-510	PCF-510S	Clip			
PCFB-612	PCFB-612S	Claw Fixator, S, 20x12mm, pre-bending type			
PCFB-115	PCFB-115S	Claw Fixator, S, 20x15mm, pre-bending type			
PCFB-118	PCFB-118S	Claw Fixator, S, 20x18mm, pre-bending type			
PCFB-122	PCFB-122S	Claw Fixator, S, 20x22mm, pre-bending type			
PCFB-212	PCFB-212S	Claw Fixator, M, 23x12mm, pre-bending type			
PCFB-615	PCFB-615S	Claw Fixator, M, 23x15mm, pre-bending type			
PCFB-218	PCFB-218S	Claw Fixator, M, 23x18mm, pre-bending type			
PCFB-222	PCFB-222S	Claw Fixator, M, 23x22mm, pre-bending type			
PCFB-618	PCFB-618S	Claw Fixator, L, 25x18mm, pre-bending type			
PCFB-312	PCFB-312S	Claw Fixator, L, 28x12mm, pre-bending type			
PCFB-315	PCFB-315S	Claw Fixator, L, 28x15mm, pre-bending type			
PCFB-318	PCFB-318S	Claw Fixator, L, 28x18mm, pre-bending type			
PCFB-322	PCFB-322S	Claw Fixator, L, 28x22mm, pre-bending type			
PCFB-622	PCFB-622S	Claw Fixator, XL, 30x18mm, pre-bending type			
PCF-714	PCF-714S	Nut			

Stabilizer – Bridge Fixator



Cat #		Description	Thickness	Cat #		Description	Thickness
Titanium Alloy	Stainless Steel			Titanium Alloy	Stainless Steel		
PCF-807	PCF-807S	Bridge Stabilizer, 6hole	1.2mm	PCF-906	PCF-906S	Bridge Stabilizer, 6hole	1.5mm
PCF-809	PCF-809S	Bridge Stabilizer, 8hole		PCF-908	PCF-908S	Bridge Stabilizer, 8hole	
PCF-811	PCF-811S	Bridge Stabilizer, 10hole		PCF-910	PCF-910S	Bridge Stabilizer, 10hole	
PCF-813	PCF-813S	Bridge Stabilizer, 12hole		PCF-912	PCF-912S	Bridge Stabilizer, 12hole	
PCF-815	PCF-815S	Bridge Stabilizer, 14hole		PCF-914	PCF-914S	Bridge Stabilizer, 14hole	
PCF-817	PCF-817S	Bridge Stabilizer, 16hole		PCF-916	PCF-916S	Bridge Stabilizer, 16hole	
PCF-819	PCF-819S	Bridge Stabilizer, 18hole		PCF-918	PCF-918S	Bridge Stabilizer, 18hole	
PCF-821	PCF-821S	Bridge Stabilizer, 20hole		PCF-920	PCF-920S	Bridge Stabilizer, 20hole	

Stabilizer – Hinge Plate

Cat #		Description
Titanium Alloy	Stainless Steel	
PCF-410	PCF-410S	Hinge Plate, 65mm, 3.0T
PCF-411	PCF-411S	Hinge Plate, 65mm, 1.5T



Instruments List

Fixator Driver

Cat #

PPM-010



Fixator Clip Applier

Cat #

PPM-011



Hercules Bar Removal Bender

Cat #

PPM-012



Pectus Clamp

Cat #

PPM-013



Short Clamp

Cat #

PPM-014



Narrow Flipper

Cat #

PPM-015



Table Top Bender

Cat #

PMI-020



Handheld Bar Bender

Cat #

PMI-021



Bar Introducer

Cat #

PMI-022 Small

PMI-023 Large



Rod Introducer

Cat #

PPM-123



Introducer Director

Cat #

PPM-124



Bar Positioning Hook

Cat #

PMI-053



Flare Buster Tunneler

Cat #

PMI-072



Fixator Clip Holding Clamp

Cat #

PPM-017



Allergy Test Disk



Cat #

PPM-ATS Allergy test disk, SS, 1 x 10mm

PPM-ATT Allergy test disk, Ti, 1 x 10mm

Template Bar



Cat #	Description
PPE-210TP	Template bar 10 inch
PPE-212TP	Template bar 12 inch
PPE-214TP	Template bar 14 inch
PPE-216TP	Template bar 16 inch

Easy Crane System (PPM-100)



Consist of ;

- PPM-102 Bottom Post x 1EA**
- PPM-104 Supporting Bar x 1EA**
- PPM-106 Crane Elevator x 1EA**

Pectus Crane Screw



Length	ø	8.0 MM
8MM		PSF - 1208
10MM		PSF - 1210
12MM		PSF - 1212
14MM		PSF - 1214
16MM		PSF - 1216

Length	ø	2.0 x 8MM	2.5 x 10MM
8MM		PSF - 3208	PSF - 4208
10MM		PSF - 3210	PSF - 4210
12MM		PSF - 3212	PSF - 4212
14MM		PSF - 3214	PSF - 4214
16MM		PSF - 3216	PSF - 4216

Crane Screw Driver Cat # PCS-301



Crane Screw Driver Cat # PCS-302



Compressor for Sandwich Technique (PPM-200)



Consist of ;

- PPM-202 Bottom Post x 2EA**
- PPM-204 Supporting Cross Bar x 1EA**
- PPM-206 Compressing Plate x 2EA**
- PPM-208 Hook Puller x 1EA**

PARK'S PECTUS SURGERY KIT

INDEX

NO	ITEM	DESCRIPTION	Q'TY
1	PPM-010	Fixator Driver	2EA
2	PPM-011	Fixator Clip Applier	2EA
3	PPM-012	Hercules Bar Removal Bender	1EA
4	PPM-013	Pectus Clamp	1EA
5	PPM-014	Short Clamp	1EA
6	PPM-015	Narrow Flipper	2EA
7	PPM-018	Container Box	1EA
8	PPM-019	Fixator Container	1EA
9	PPM-021	Easy Crane & Compressor Container	1EA
10	PMI-020	Table Top Bender	1EA
11	PMI-021	Handheld Bar Bender	1EA
12	PMI-022	Bar Introducer (Small)	1EA
13	PMI-023	Bar Introducer (Large)	1EA
14	PPM-123	Rod Introducer	1EA
15	PPM-124	Introducer Director	1EA
16	PMI-053	Bar Positioning Hook	2EA
17	PMI-072	Flare Buster Tunneler	1EA
18	PMI-017	Fixator Clip Holding Clamp	1EA
19	PPM-ATS	Allergy Test Disk (SS)	1EA
20	PPM-ATT	Allergy Test Disk (Ti)	1EA
21	PCS-301	Crane Screw Driver	1EA
22	PCS-302	Crane Screw Driver	1EA
23	PPM-100	Easy Crane System	1EA
24	PPM-200	Compressor for Sandwich Technique	1EA

Container Box

Cat #

PPM-018



Fixator Container

Cat #

PPM-019



Easy Crane & Compressor Container (PPM-021)

Cat #

PPM-021



For more information on Pectus Procedures,
Please see on [YouTube](#)

Pectus Video

Park Technique for Pectus Excavatum Repair:
Crane-powered Entire Chest Wall Reconstruction
<https://www.youtube.com/watch?v=7KGHovGOgew>

Park Technique for Pectus Excavatum Repair - Easy Crane
<https://www.youtube.com/watch?v=uAZlgyU6nA>

Park Technique: Carinatum- Sandwich Technique
<https://www.youtube.com/watch?v=VceHqbTo7rk>

Park Technique: Carinatum- Sandwich Technique-Easy Compressor
<https://www.youtube.com/watch?v=fHBpWnOpqyM>

Park Technique for Pectus Carinatum Repair - Hook Puller
<https://www.youtube.com/watch?v=E0xH6ro9RU4>

Magic String Technique
<https://www.youtube.com/watch?v=19JLb0tJEIc>

Live Surgery

Live Surgery 1
<https://www.youtube.com/watch?v=zBlhA5K7YuY>

Live Surgery 2
<https://www.youtube.com/watch?v=DIE11LCZGnk>

Live Surgery 3
<https://www.youtube.com/watch?v=M6KrrZuluxg>

Live Surgery 4
<https://www.youtube.com/watch?v=46RJJjHuUz8>

Live Surgery 5
<https://www.youtube.com/watch?v=L3JOeUzP52I>

Live Surgery 6
https://www.youtube.com/watch?v=SQ7aRNCx_Ds



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