

# SPACER Line



**TECRES**  
ADVANCING HIGH TECHNOLOGY

“Knowing  
that our products  
every day improve  
the lives of many people.  
This is our ambition.  
This is our reward.”

Giovanni Faccioli, President.

# TECRES

Cutting-edge technologies and constant research to improve the lives of many people. This is the vision of Tecres since 1981, operating in synergy with surgeons, Universities and Research Institutes in order to invent, realize and provide the market with safe, effective and innovative products. We are specialized in acrylic resins since 1986 with medical applications in fields such as orthopaedics, spinal surgery and neurosurgery. Our excellence and reliability are recognized in more than 70 Countries around the world.

# SPACER LINE

Tecres introduced in 1996 the first industrial made, preformed orthopaedic Spacer, designed to help treat prosthetic infections.

Prosthetic infection is one of the most serious complications in orthopedic surgery and is very difficult to treat. The latest data available in literature indicate that in the first two years after implanting hip or knee prosthesis, 1,6% will encounter some form of infections. The two-stage revision process is considered the standard for the treatment of prosthetic infections<sup>1-2</sup>.



# ADVANTAGES

## ADVANTAGES FOR THE SURGEONS

**Saving Time:** ready to use, with preformed shapes and different sizes. It makes faster both the first and the second stage.

**Safety:** the devices have mechanical and pharmacological performances standardized and certified.

**Effectiveness:** known, extended and long release of antibiotic.

**Less responsibility:** using an industrial device, not an hand-made one.

## ADVANTAGES FOR THE PATIENTS

**Better quality of life:** Spacer allows deambulation with partial weight-bearing and permits to make some basic daily activities, this allows the patient to be independent.

**Possibility to make physiotherapy**

**Reduction of functional recovery time:** faster discharge from hospital.

## MECHANICAL AND PHARMACOLOGICAL PROPERTIES

Tecres Preformed Spacers guarantee excellent mechanical properties that allow the patient to deambulate with partial weight-bearing. The precise quantity of antibiotic mixed inside PMMA allows excellent mechanical performances together with a prolonged antibiotic release.

## SAFETY AND EFFECTIVENESS

Clinical results of more than 700 patients in 15 hospitals around the world demonstrated that more than 94% of Two-Stage Exchange made with Tecres Spacer were free from infection at the latest follow-up.

## CLINICAL RESULTS

	AUTHOR	TYPE	PTS	REIMPLANTED	CLEARED AT FU	MEAN FU (M)	SITE
1	Magnan B	Hip	10	8	8/8	35 (24-48)	Verona (IT)
2	Pitto RP	Knee	21	19	19/29	24 (12-43)	Auckland (NZ), Bergamo (IT)
3	Gil Gonzalez S	Hip	35	35	30/35	32 (6-65)	Barcelona-1 (ES)
4	Coffey MJ	Shoulder	16	12	12/12	18 (10-29)	Dayton, OH (US)
5	Pattyn C	Hip	61	61	59/61	34 (9-84)	Ghent (B)
6	D'Angelo F	Hip	28	27	27/27	53 (18-106)	Varese (IT)
7	Romanò CL*	Hip	20	20	19/20	57 (24-104)	Milan -1,2 (IT)
8	Neumann DR	Hip	42	42	41/42	67 (36-120)	Salzburg (A)
9	Romanò CL	Hip	183	183	173/183	60 (24-132)	Milan -1,2 (IT)
10	Degen RM	Hip	33	30	28/30	43 (24-70)	London, ON (CDN)
11	Wan Z	Knee	33	31	28/31	44 (24-62)	Houston, TX (US)
12	Garcia-Oltra E	Hip	35	32	31/32	48 (14-85)	Barcelona-2 (ES)
13	Corona PS	Hip & Knee	41	38	33/38	35 (12-65)	Barcelona-3 (ES)
14	Castelli CC	Knee	50	50	46/50	84 (24-156)	Bergamo (IT)
15	Vecchini E	Knee	19	16	16/16	74 (10-112)	Verona (IT)
16	Burastero G	Hip	71	71	67/71	39 (8-52)	Albenga (IT)
17	Vasso M	Knee	29	24	24/24	120 (84-168)	Roma (IT)
	<b>TOTAL</b>		<b>727</b>	<b>699</b>	<b>94,6%</b>	<b>51,1 months</b>	

# SPACER LINE

## HIP SPACER

Hip Spacer resembles a femoral prosthesis. It has a load-bearing structure in stainless steel coated with antibiotic loaded bone cement. The Tecres Spacer is available in 3 different head sizes in the following variants:



**Spacer-G:** with Gentamicin, round stem

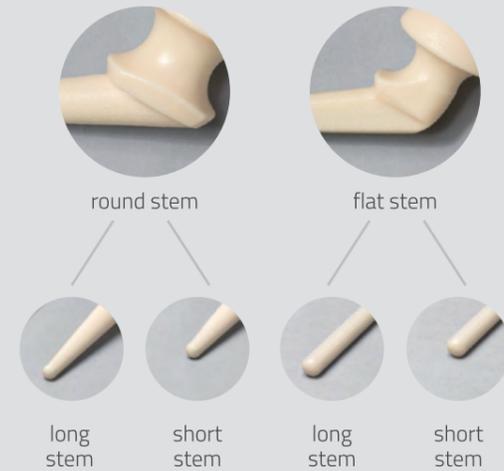
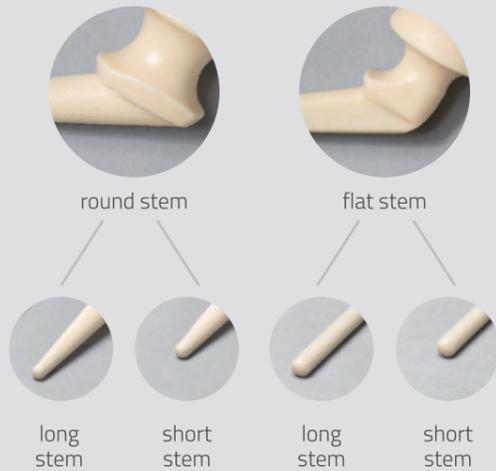
**Vancogenx-Space Hip:** with Gentamicin+Vancomycin, round stem

**Spacer-G Flat Stem:** with Gentamicin, flat stem

**Vancogenx-Space Hip Flat stem:** with Gentamicin+Vancomycin, flat stem

**Spacer-G:** with Gentamicin

**Vancogenx-Space Hip:** with Gentamicin+Vancomycin



## SHOULDER SPACER

Shoulder Spacer resembles a shoulder prosthesis, it has a load-bearing structure in stainless steel, coated with Gentamicin bone cement. Available in the following version



**Spacer-S:** with Gentamicin, 2 different head sizes



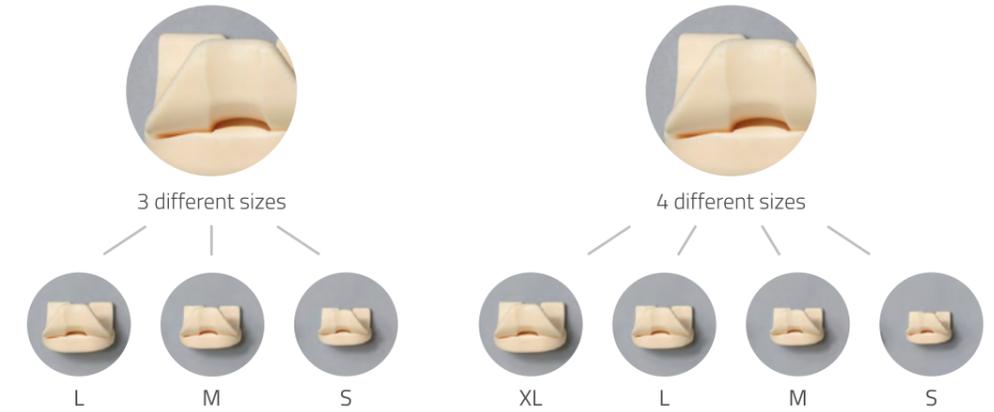
## KNEE SPACER

Knee Spacer resembles a knee prosthesis made in bone cement loaded with antibiotic. It comprises two independent articulating elements. The tibial component has a flat base on which the femoral component articulates. Available in the following variants:



**Spacer-K:** with Gentamicin, 3 different sizes

**Vancogenx-Space Knee:** with Gentamicin+Vancomycin, 4 different sizes



Surgical Technique:  
scan the QR code and watch the video tutorial  
Surgical Technique is available on Tecres website



# ORDERING INFORMATION

## SPACER FOR HIP

Spacer-G Gentamicin Loaded			
STEM	HEAD SIZE (mm)	ROUND STEM	FLAT STEM
SHORT STEM	46	SPC46/G	SPC0620
	54	SPC54/G	SPC0720
	60	SPC60/G	SPC0820
LONG STEM	46	SPC46/GXL	SPC0920
	54	SPC54/GXL	SPC1020
	60	SPC60/GXL	SPC1120

## Vancogenx-Space Hip Gentamicin + Vancomycin Loaded

STEM	HEAD SIZE (mm)	ROUND STEM	FLAT STEM
SHORT STEM	46	SPC0030	SPC0630
	54	SPC0130	SPC0730
	60	SPC0230	SPC0830
LONG STEM	46	SPC0330	SPC0930
	54	SPC0430	SPC1030
	60	SPC0530	SPC1130

## Trial Set (3-size set)

SHORT ROUND STEM	SPG03
LONG ROUND STEM	SPG03XL
SHORT FLAT STEM	SPC90Z0
LONG FLAT STEM	SPC91Z0

## SPACER FOR KNEE

Spacer-K Gentamicin Loaded		Vancogenx-Space Knee Gentamicin + Vancomycin Loaded	
TIBIAL DIMENSION (mm)	CODE	TIBIAL DIMENSION (mm)	CODE
60 - small	SPK6054/G	60 - small	SPK0030
70 - medium	SPK7064/G	70 - medium	SPK0130
80 - large	SPK8074/G	80 - large	SPK0230
		90 - extralarge	SPK0330

## Trial Set

TRIAL SET (SMALL-MEDIUM-LARGE)	SPK03
TRIAL EXTRALARGE	SPK03Z0

## SPACER FOR SHOULDER

Spacer-S Gentamicin Loaded		Trial Set	
HEAD SIZE (mm)	CODE	TWO-SIZE	SPS90Z0
41	SPS0020		
46	SPS46/G		

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## Tecres is specialized in biomaterials in the following medical sectors



**Orthopaedics:** bone cement, bone cement extractor, screw augmentation, endorthesis screws, reinforced bone substitute, custom made devices



**Spinal surgery:** Vertebroplasty resins and kit



**Neurosurgery:** cranial bone cement, custom made prosthesis

**TECRES S.P.A.**

Via A. Doria, 6 - 37066 Sommacampagna (VR) - Italy  
T +39 045 92 17 311 - F +39 045 92 17 330  
[www.tecres.it](http://www.tecres.it) - [info@tecres.it](mailto:info@tecres.it)

