## INTERSPACE® SPACER SYSTEM PRODUCT GUIDE



# INTERSPACE®



INTERSPACE® KNEE SPACER WITH AUGMENTED TIBIAL SYSTEM (ATS)

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#### INTERSPACE® TAPERED WEDGE STEM HIP SPACER



INTERSPACE® Shoulder Spacer

## INTERSPACE® KNEE SPACER WITH AUGMENTED TIBIAL SYSTEM (ATS)

#### InterSpace<sup>®</sup> Knee Spacer

- Proven high-release Gentamicin elution to prevent bacterial adhesion
- Preformed spacer for optimized OR efficiency
- Yields predictable and consistent local antimicrobial activity compared to other treatment options
- Designed to maintain joint space while allowing limited mobility
- Offered in 4 sizes for both femur and tibia

#### **Knee ATS Spacer**

- Augment to tibial base with fins to aid in positioning and reduce the risk of dislocation during application and reduction
- 7mm and 12mm thickness options
- Two width options complimenting the knee femur and tibial spacers
- Corrugated surface and notch designed for increased fixation
- Same proven high-release antibiotic formulation

#### InterSpace® Knee Spacer Clinical Outcomes

- 42 Peer-Reviewed Publication
- 273 Patients Enrolled
- 89.9% Infection Eradication Rate
- 69.3 Months Mean Follow-Up

## INTERSPACE® KNEE SPACER TECHNIQUE



#### STEP 1

In accordance with the existing total joint manufacturer's technique, prepare the infected joint space by first removing the prosthesis and any PMMA cement, if present, and any hardware (which may be a reservoir of infection).

Continue to prepare the joint space with radical debridement and pulse lavage.

#### STEP 2

Using the InterSpace® Knee Spacer Trials select the appropriate size femoral and tibial components. The use of the Augmented Tibial Stem is recommended when there is a tibial bone loss. It is important that the joint is neither too loose nor tight, therefore the surgeon will have to consider the additional room occupied by the cement needed for the fixation. TRIALS





#### STEP 3

For placement of the Articular Tibial Component, apply Cemex<sup>®</sup> Genta or UNITE AB Bone Cement (or any FDA cleared AB bone cement) to the entire surface of the non-articulating surface of the selected articulating tibial component and to the proximal surface of the tibia. Manually position the InterSpace<sup>®</sup> Tibial Component onto the proximal tibia.



#### STEP 4

For placement of the InterSpace<sup>®</sup> femoral component, apply bone cement to the non-articulating surface of the femoral component and to the femoral surface. Manually place the selected femoral component onto the distal femur.



surface of the tibia. Manually position the cemented construct onto the proximal surface of the tibia.

#### **STEP 5**

Reduce the joint, removing all excess cement, avoiding the cement that may go on the articular surface. To assure correct alignment of the components, make flex/extension movements before the cement curing occurs. Then close and check flex/extension movement and lateral stability.

Depending on the stability of the knee, it may be necessary to apply a brace to avoid the risk of dislocation.

**Note:** When placing components with cement, DO NOT impact the device with a mallet. It is recommended to use hand pressure only while placing the components.

## INTERSPACE® KNEE SPACER SPECIFICATIONS



The above drawings represent both femoral and tibial components from different views. The letters from A to E report the sizes of both femoral and tibial components.





INTERSPACE® TIBIAL COMPONENT

InterSpace® Augmented Tibial System (ATS)

#### InterSpace<sup>®</sup> Knee Sizing

Ref	Trial Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Gentamicin Base	Trial Ref
SPK0022 Small	6054 Small	54	40	60	36	16	0.9 g	SPK90Z1
SPK0122 Medium	7064 Medium	64	47	70	42	17	1.3 g	SPK90Z1
SPK0222 Large	<b>8074</b> Large	74	54	80	48	18	1.8 g	SPK90Z1
SPK0322 Extra Large	9084 Extra Large	84	61	90	54	19	2.7 g	SPK03Z1

#### InterSpace<sup>®</sup> ATS Sizing

Ref	ATS Size	InterSpace® Knee Pairing	F (mm)	G (mm)	H (mm)	l (mm)	J (mm)	Gentamicin Base	Trial Ref
SPK0422	InterSpace®ATS (60/07)	S or M	7	32	11	60	36	0.3 g	SPK90Z2
SPK0522	InterSpace® ATS (60/12)	S or M	12	32	11	60	36	0.5 g	SPK90Z2
SPK0622	InterSpace® ATS (80/07)	L or XL	7	40	11	80	48	0.5 g	SPK90Z2
SPK0722	InterSpace®ATS (80/12)	L or XL	12	40	11	80	48	0.8 g	SPK90Z2



## INTERSPACE® TAPERED WEDGE STEM HIP SPACER

#### **Product Features**

- Proven high-release Gentamicin elution to prevent bacterial adhesion
- Tapered wedge design for fit into a narrow femoral cavity
- Low profile lateral hip aids insertion during implantation

Stainless steel core provides robust mechanical structure

InterSpace® Short Stem InterSpace® Long Stem

#### InterSpace<sup>®</sup> Hip Spacer Clinical Outcomes

- 60 Peer-Reviewed Publication
- 763 Patients Enrolled
- 93.3% Infection Eradication Rate
- 52.9 Months Mean Follow-Up

#### STEP 1

In accordance with the existing total joint manufacturer's technique, prepare the infected joint space by first removing the prosthesis and any PMMA cement, if present, and any hardware (which may be a reservoir of infection)

Continue to prepare the joint space with radical debridement, pulse lavage and other standard practices for preparing the infected joint space.

## STEP 2

Using the INTERSPACE<sup>®</sup> Hip Trials, select the appropriate implant size. Place the trial into the femoral canal to verify stem fit. With the stem properly seated into the femoral canal, reduce the joint to access the fit of the femoral head into the acetabular cavity.

TRIAL

#### STEP 3

With the final implant selected, use Cemex Genta or UNITE AB Bone Cement (or any FDA cleared AB bone cement) to place the implant into the femoral canal. Once bone cement is cured with correct positioning, the hip joint may be reduced.

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### INTERSPACE® TAPERED WEDGE STEM HIP SPACER SPECIFICATIONS



#### InterSpace<sup>®</sup> Hip Sizing

	Ref	Size	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	Gentamicin Base
Short Stem	SPC0023	Small (S)	46	54.6	96	10	11	9	17	149	1.1g
	SPC0123	Medium (M)	54	60	94.3	10.5	16	9	21.7	156	1.6g
	SPC0223	Large (L)	60	73	95.8	11	16	9	24	168.5	2.6g
Long Stem	SPC0323	Small (S)	46	54.6	211	10	11	9	17	265	1.2g
	SPC0423	Medium (M)	54	60	209.2	10.5	16	9	21.7	271	1.8g
	SPC0523	Large (L)	60	73	211	11	16	9	24	283.5	2.8g

#### InterSpace<sup>®</sup> Trials

Description	Ref	Sizes
InterSpace® Tapered Wedge, Short Stem Trials	SPC90Z3	S, M, L
InterSpace® Tapered Wedge, Long Stem Trials	SPC91Z3	S, M, L

## INTERSPACE® SHOULDER SPACER

#### **Product Features**

- Proven high-release Gentamicin elution to prevent bacterial adhesion
- Demonstrated functional success rates equivalent to noninfected revisions
- Stabilizes or tensions the soft tissues and reduces bone loss between stages, potentially facilitating easier re-implantation during a second stage procedure
- Stainless Steel core provides robust mechanical structure

InterSpace® Long Stem

InterSpace® Short Stem

- InterSpace® Shoulder Spacer Clinical Outcomes
- 19 Peer-Reviewed Publication
- 132 Patients Enrolled
- 89.4% Infection Eradication Rate
- 58.7 Months Mean Follow Up

## INTERSPACE® SHOULDER SPACER TECHNIQUE



In accordance with the existing shoulder manufacturer's technique, prepare the infected joint space by first removing the shoulder prosthesis and any PMMA cement, if present, and any hardware that may be a reservoir of infection.

Continue to prepare the joint space with radical debridement, pulse lavage and other standard practices for preparing the infected joint space.

STEP 2

Using the InterSpace<sup>®</sup> Spacer Trials, select the appropriate size humeral stem component.





## STEP 3

Using Cemex® or UNITE AB Bone Cement (or any FDA cleared AB bone cement), apply the cement to the underside of the head.



Manually insert the InterSpace® Shoulder into the humeral canal in the desired anatomical positon and reduce the joint.

## INTERSPACE® SHOULDER SPACER SPECIFICATIONS



#### InterSpace<sup>®</sup> Shoulder Sizing

	Ref	Size	A (mm)	B (mm)	C (mm)	D (mm)	Gentamicin Base
Short Stem	SPS0121	Small (S)	41	16	99	7	0.4g
Long Stem	SPS0021	Medium (L)	46	22	125	11	0.8g

#### InterSpace<sup>®</sup> Trials

Description	Ref	Sizes	
InterSpace® Shoulder Trials	SPS90Z1	S, L	

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