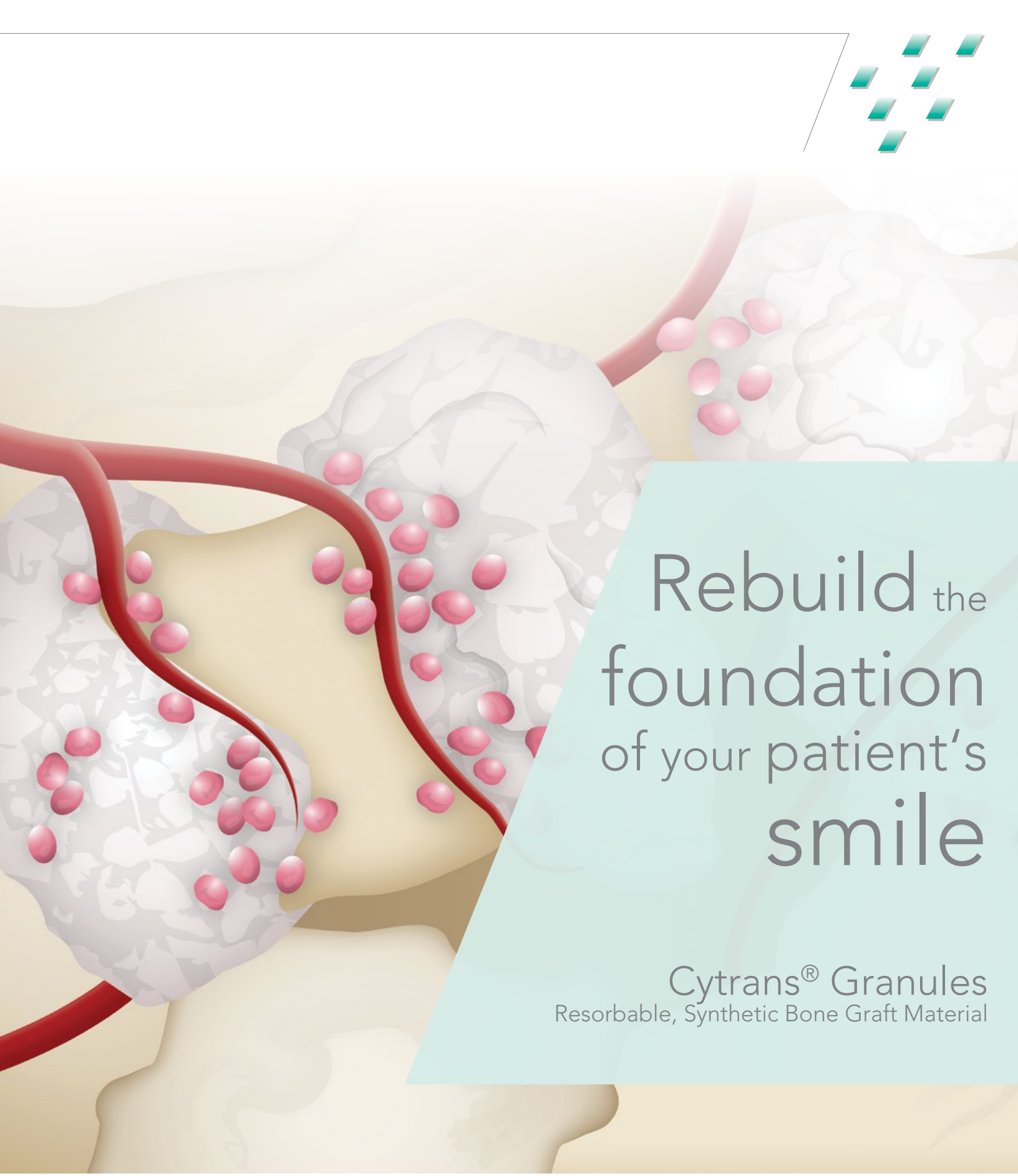


Rebuild the foundation of your patient's smile

Cytrans® Granules

Resorbable, Synthetic Bone Graft Material

GC

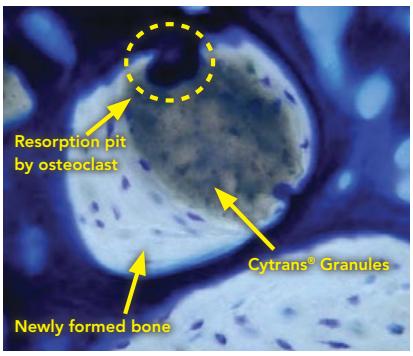
Smile for the World

Since 1921

100 years of Quality in Dental

Rebuild the foundation of your patient's smile

Cytrans® Granules is a synthetic bone graft material having a similar composition with inorganic component of human bone. Cytrans® Granules has an unique balance of bone formation and bone replacement which helps to keep the volume of regenerated bone for a more predictable outcome. Cytrans® Granules is free from animal derived materials so the patients do not need to be worried about disease transmission, such as BSE.



Source: Prof. Ishikawa, Kyushu University, Japan

Similar composition to natural bone

Cytrans® Granules are composed of carbonate apatite, which is same as the inorganic component of human bone. Cytrans® Granules are chemically synthesized, without using animal derived materials; thus, eliminating the risk of animal-derived infections, such as prion disease transmission.

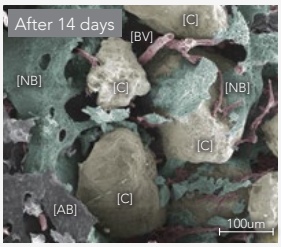
Unique balance of

Early bone formation

Thanks to the excellent osteoconductivity of carbonated apatite, early bone formation could be expected around Cytrans® Granules.

[AB] Autologous bone
[C] Cytrans® Granules
[BV] Blood vessel
[NB] Newly formed bone

SEM image of Cytrans® Granules implanted to canine tooth socket.



Source: Prof. Matsuo, Kanagawa Dental University, Japan.

Gradual replacement

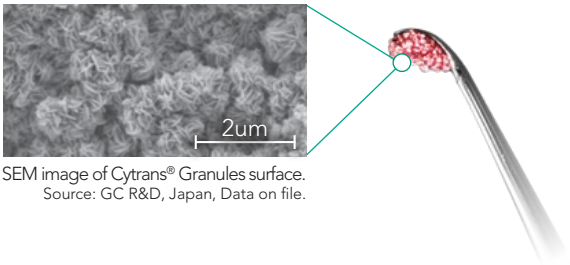
Resorption property of carbonate apatite will allow the gradual replacement with host bone. Cytrans® Granules will be replaced by keeping the function as a scaffold.

Resorption of Cytrans® Granules implanted to rabbit femoral defect.

Source: Prof. Ishikawa, Kyushu University, Japan.

Optimal surface for easy handling

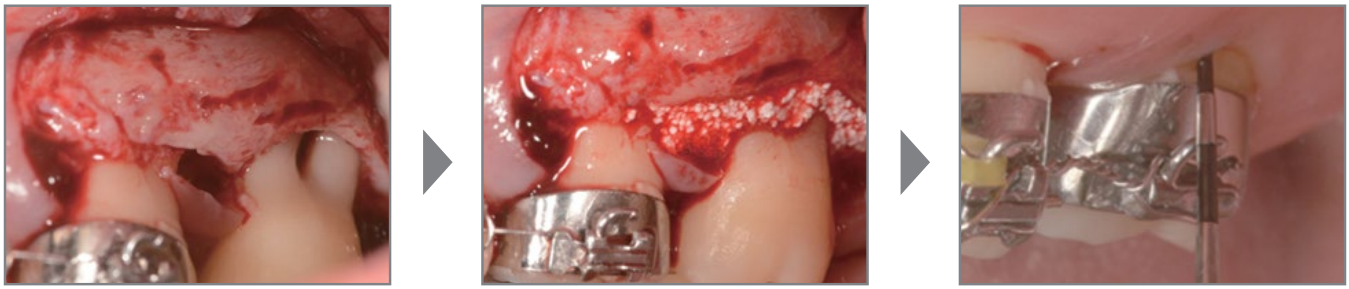
Unlike other calcium phosphate materials, Cytrans® Granules are fabricated without sintering by maintaining a rough surface similar to that of natural bone. This rough surface makes Cytrans® Granules hydrophilic, allowing them to be mixed with blood or saline for easy delivery.



SEM image of Cytrans® Granules surface.
Source: GC R&D, Japan, Data on file.

Clinical cases of Cytrans® Granules

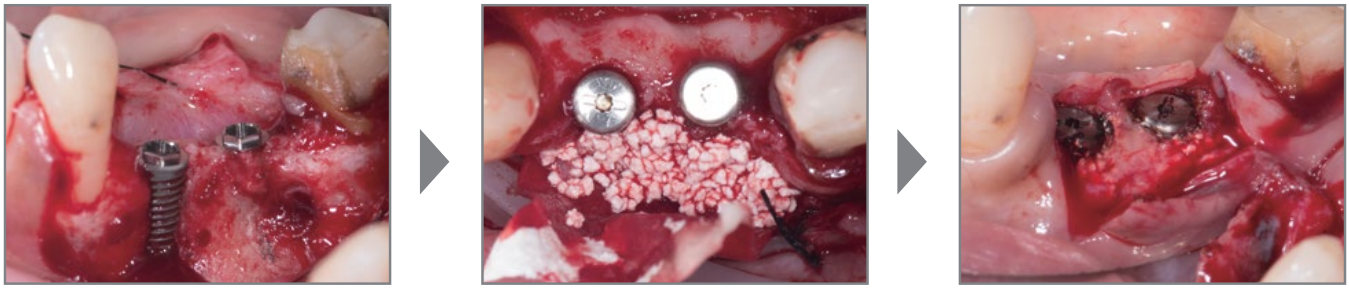
Periodontal defect



Pre-op | After grafting | After 6 months

Courtesy of Dr. Akiyoshi Funato, Japan

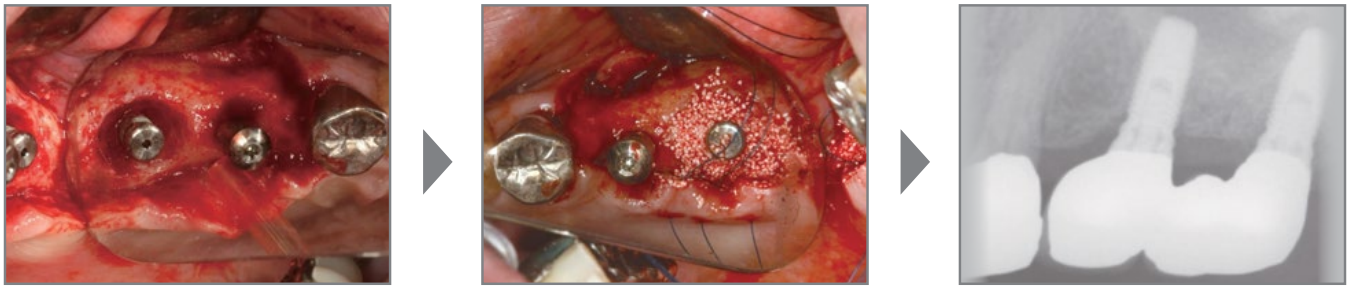
Major bone augmentation



Pre-op | After grafting | After 6 months

Courtesy of Dr. Yoshifumi Matsumoto, Japan

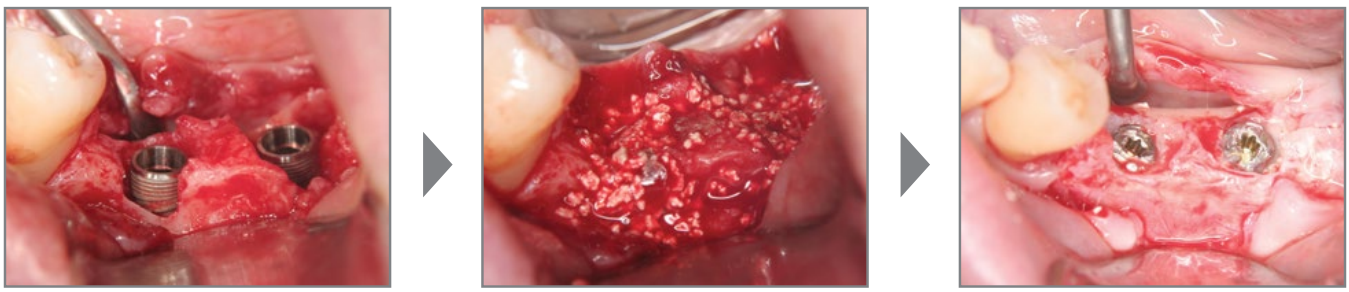
Peri-implantitis



Defect configuration | After grafting | After 12 months

Courtesy of Dr. Noriko Tachikawa, Japan

Bone augmentation around implants

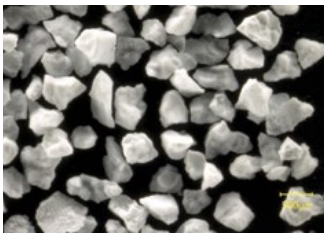


Pre-op | After grafting | After 4 months

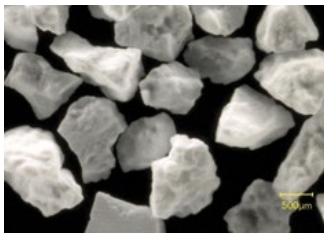
Courtesy of Dr. Yoichi Taniguchi, Japan

For more clinical cases and product information, scan this QR code.

Ordering Information



S size (0.3-0.6mm)



M size (0.6-1.0mm)

Cytrans® Granules		
SKU	Size	Amount
014361	M Size	0.25 g
014363	M Size	0.5 g
014364	M Size	2.0 g
014360	S Size	0.25 g
014362	S Size	0.5 g