NASOPORE®

a Unique Bioresorbable Dressing for the Nasal Cavity

- Ear, nose and throat surgery

POLYGANICS

Bioresorbable Medical Device Solutions

NASOPORE®

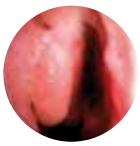
Next Generation Nasal Dressing

The current offerings of post-operative nasal dressings can roughly be divided into conventional packs, which are removed as a whole, and absorbable/biodegradable packs, which undergo a process of total degradation and do not need removal.

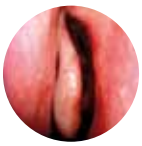
Although conventional packs are well-established, certain disadvantages do exist[1],

- Trauma with subsequent bleeding upon removal
- Reduced comfort (obstructed nasal breathing)
- Mucosal damage and possible pressure necroses
- Possible obstructive sleep apnea syndrome
- Eustachian tube dysfunction

[1] Weber, R.K. Laryngorhinootologie. 2009 Jun;88(6):379-84



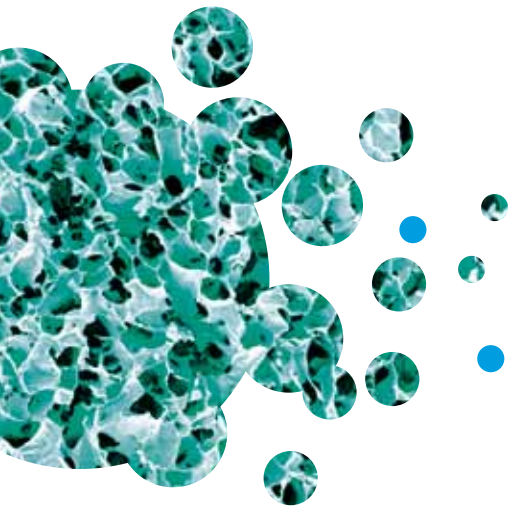
Without nasal dressing granulation and formation of scar tissue is observed.



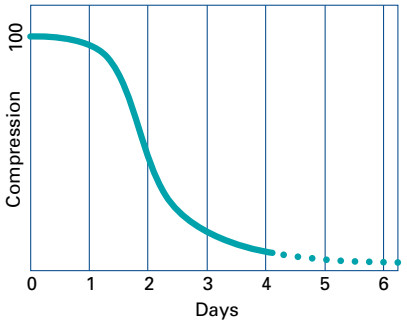
Use of NASOPORE® results in no adhesion

NASOPORE®, being the latest innovation in nasal dressings, not only avoids the drawbacks associated with conventional packs but also offers additional benefits.

NASOPORE® is a biodegradable synthetic polyurethane foam. It is available in different densities and lengths and can be easily cut to the appropriate size depending on the application.
This biologically inert foam is a highly interconnected porous structure with a rapid and high absorbent capacity (up to 25 times its weight).



NASOPORE® separates mucosal surfaces during the critical, early days of post sinus surgery when mucosal swelling is heightened. By keeping mucosal tissue separated, NASOPORE® prevents formation of post-surgical adhesions in the nasal cavity.



NASOPORE® provides gentle compression after surgery. By absorbing nasal fluids and blood, NASOPORE® slowly starts to fragment whilst still offering sufficient wound support during the critical healing period. During this period it does not swell and so will not hinder natural drainage. After fragmentation NASOPORE® will be drained from the nasal cavity via natural pathways without any pain. Daily spraying with saline solution is recommended in the first week after surgery, to fasten the fragmentation and to reduce the risk of infection.

It is shown that the removal of conventional nasal dressings are related to re-bleedings and thereby mucosal tissue damage.
The use of biodegradable NASOPORE® avoids the risk re-bleeding associated with removal.

Please contact your local
NASOPORE® representative for more information

NASOPORE® Key Benefits

- Fully synthetic foam - clinically proven to be biologically inert.
- Gentle compression during a period of 36 - 48 hours after insertion.
- Biodegradable property results in rapid and uniform fragmentation.
- Easily manipulated to allow optimum placement within the nasal cavity.
- Retains its position after insertion and does not swell.
- Valuable wound support during the critical healing period.
- The unique structure has a proven high absorption capacity, being able to absorb up to 25 times its original weight.
- Prevention of adhesions after nasal and sinus surgery - can be used to medialize the middle turbinate and septum - and prevent lateralization.
- No need for post-operative removal.
- Atraumatic and comfortable for patients.
- Currently, trials are ongoing to assess the use of NASOPORE® as a potential drug delivery carrier.

NASOPORE® Product Description

Article number	Type	Size
ND01/025-04B	Standard	4 cm
ND01/025-08B	Standard	8 cm
ND02/025-04B	Forte	4 cm
ND02/025-08B	Forte	8 cm
ND05/025-04B	Forte Plus	4 cm
ND05/025-08B	Forte Plus	8 cm

All NASOPORE® products are available in boxes of 8 units.
Please store NASOPORE® at or below 4°C.
Shelf life of NASOPORE® is 24 months.

NASOPORE® is CE-approved under CE 0344 and filed at the FDA under number K052099.

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