

ADAGA
LifeChit[®]
BLEEDING STOPPER
Haemostatic Agent



www.lifechit.com



Form of Trade Presentation;

2g 5g 15g 30g

What is ADAGA LifeChit® ?

- ADAGA Inc. has successfully completed TUBITAK projects in 2011 with "Chitin - Chitosan manufacturing from shellfish".
- ADAGA Inc. has realised a project having great importance in the world and in Turkey with the chitosan haemostat "LifeChit" developed in 2018.
- Adaga's researchers developed the first one hundred percent organic haemostatic agent (LifeChit) in the world and in Türkiye in 2018.
- LifeChit (haemostatic agent), which is completely domestic, received the best invention and R&D award in 2018 and the best innovative medical product award in 2022.

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Dried Shrimp Shell



Chitin

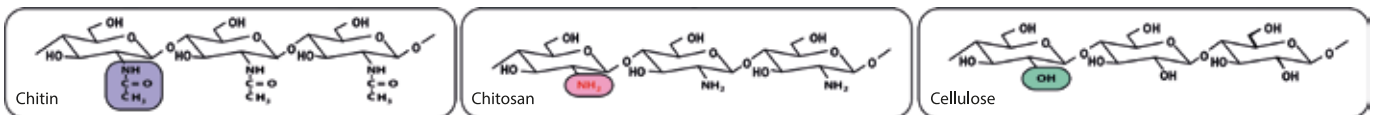


Chitosan



What is ADAGA LifeChit® ?

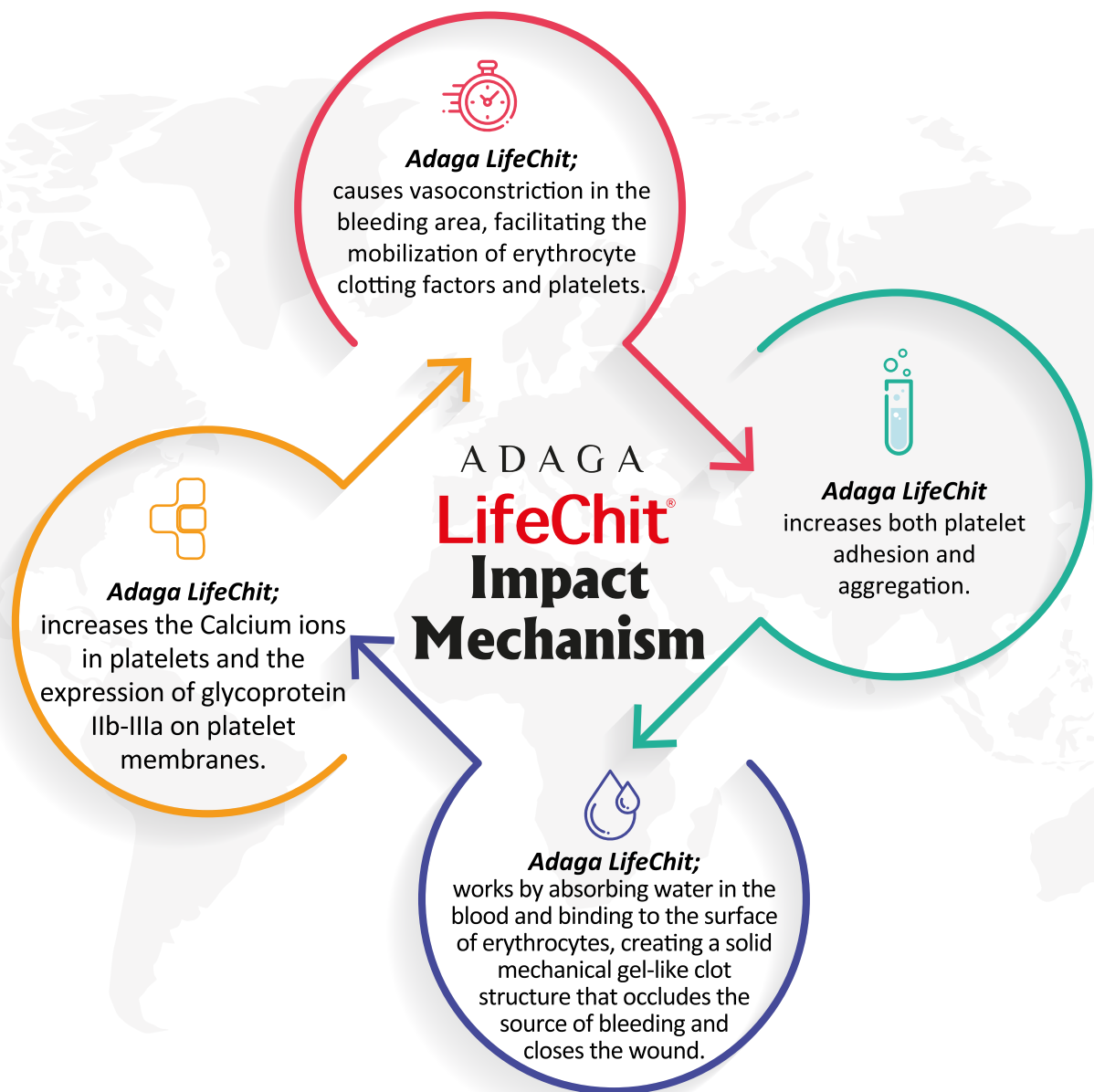
- ❖ LifeChit; is a haemostatic agent with Chitosan active ingredient.
- ❖ LifeChit; is a linear polysaccharid, derived from Chitosan, as a result of the deacetylation of chitin, which is the second most common biopolymer in the world after cellulose, is found on the cell walls of fungus and seashells.
- ❖ LifeChit; is completely organic origin.
- ❖ LifeChit; is produced without using any support material other than Chitosan.
- ❖ It is sterilised by gamma irradiation method.



ADAGA LifeChit® Usage Areas⁵

- ❖ In all bleeding at mild, moderate and severe levels
- ❖ Superficial and Deep injuries
- ❖ Head, neck, and face injuries
- ❖ LifeChit; is used as Haemostatic Agent (haemostat).



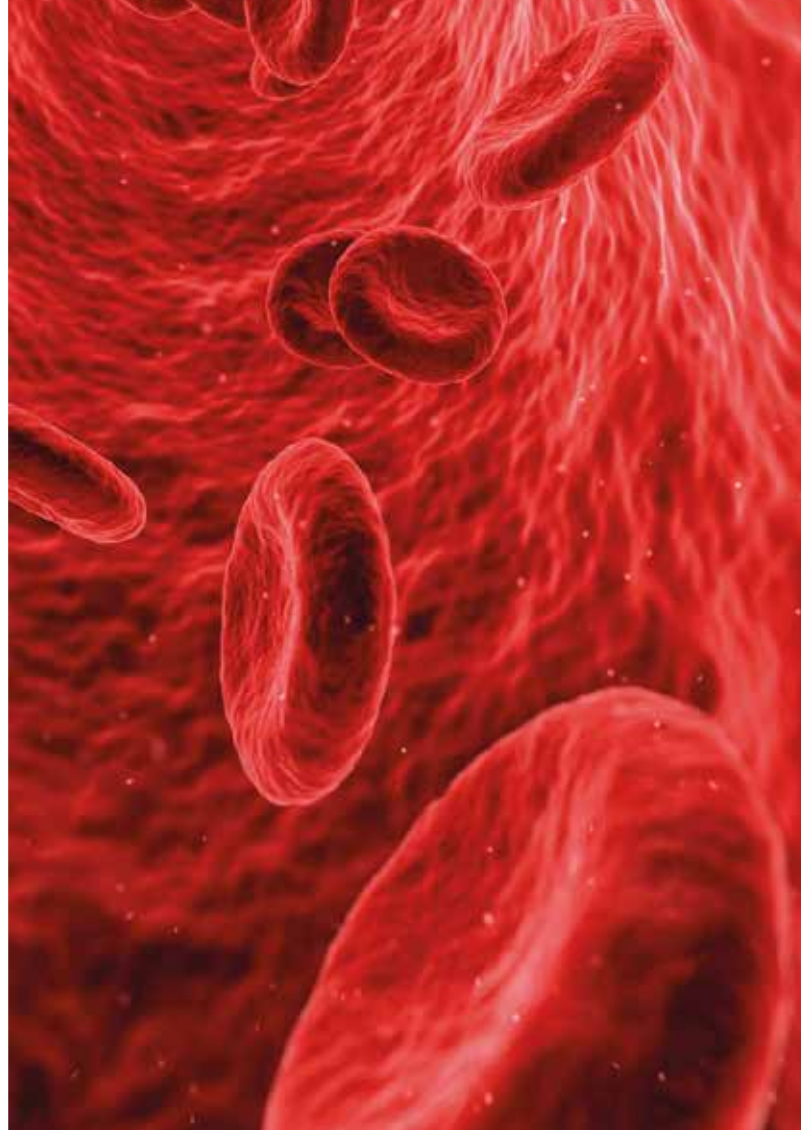


ADAGA LifeChit[®] Clinical Studies 1

- ✚ Gheorghiță, D., Moldovan, H., Robu, A., Bița, A. I., Grosu, E., Antoniac, A., ... & Băcilă, C. I. (2023). Chitosan-Based Biomaterials for Hemostatic Applications: A Review of Recent Advances. *International journal of molecular sciences*, 24(13), 10540.
- ✚ Zhang, S., Lei, X., Lv, Y., Wang, L., & Wang, L. N. (2023). Recent advances of chitosan as a hemostatic material: Hemostatic mechanism, material design and prospective application. *Carbohydrate Polymers*, 121673.
- ✚ Kadyseva, OV., Bykov, VN., Strelova, Olga Y., Grebenyuk, AN. (2021). Study of the effect of the physicochemical properties of chitosan on its haemostatic activity. *Progress on Chemistry and Application of Chitin and its Derivatives*, 26(112-120)

ADAGA LifeChit® Clinical Studies 2

- ✚ **Purpose:** To evaluate the haemostatic efficiency and safety of LifeChit. n= 40
- ✚ **Endpoint:** This is the time from the application of LifeChit to the bleeding area until the bleeding stops. It is the presence of bleeding recurrence.
- ✚ **Safety endpoint:** Due to non-compliance, inflammation, skin irritation and haematoma, other adverse effects are observed.



ADAGA LifeChit® Clinical Studies 2

Result:

- ✚ **Primary endpoint:** LifeChit stopped bleeding with a median value of 23 seconds after application.
- ✚ **Secondary endpoint:** There were no adverse effects with LifeChit, within 24 hours, no rebleeding occurred in any patient.
- ✚ LifeChit Clinical Studies 2 (12.2022 File of Date)



ADAGA LifeChit® Reliability



- ❑ One hundred percent compliance with the target area has been determined.
- ❑ The re-bleeding rate was observed as zero.
- ❑ It has no toxic and cytotoxic effects and is completely safe.
- ❑ Trace amounts of LifeChit entering the systemic circulation are metabolised in the liver and completely excreted in urine and feces. (Data of File LifeChit)

ADAGA LifeChit®

How to apply ?



- 1.Wear gloves (if available) and open the Adaga LifeChit pack.
- 2.Remove excess blood from the wound with gauze or the best equivalent.
- 3.Pour the pack on the wound.
- 4.Using gauze or best equivalent, apply FIRM pressure directly to the wound for 5 minutes.
If bleeding continues or starts again, apply pressure for another 5 minutes.
If necessary, you can use additional tampons for wounds or other situations requiring immediate haemostasias.
- 5.Wrap and tie the bandage tightly to maintain pressure on the application area.
- 6.Transfer to patient to medical facilities as soon as possible.
- 7.Show empty pack to medical personnel.
- 8.Discard any remaining product.

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