



Minimal Invasive Surgery (MIS)

World's first versatile adhesive applicator kit

For a new level of surgical possibilities

PRESS RELEASE

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Geneva May 16th 2017, **Minimal Invasive Surgery (M.I.S)**

Primequal has launched the **world's first versatile adhesive applicator kit** for **inguinal hernia repair** named **Talent IH™**. **Talent IH™** is a groundbreaking cyanoacrylate micro dosing delivery system developed to allow a safer, faster and solid bonding of surgical mesh. While **addressing series of unmet needs**, it significantly **reduces pain, healing duration** and the **cost** of the surgery.



Existing devices have problems because they all share the same unmet needs:

- **Lack of innovative features,**
- **Clogging** which always disturbs the procedure,
- **Sticking** to the mesh or the tissues,
- **Overdosing** which may burn the tissues or dispense glue in inappropriate sites,
- **Bad visibility** of the delivery spot,
- **Lack of precision** which leads to glue being dispensed in inappropriate sites,
- **Air bubbles** which may disturb the procedure,

Talent IH™ is the world's only available solution addressing these problems with a **groundbreaking patented applicator** which aids surgeons by microdosing the glue:



Advantages

- New level of surgical possibilities by addressing series of unmet needs
- Eliminating pain and long healing time caused by staples or stitches
- Providing a microbial barrier against infections
- Removing the need to remove staples or stitches
- Reducing the price of surgery
- Better cosmetic outcomes

First intended use: Inguinal hernia repair.



Delivery of surgical glue has never been so easy and safe!

David Weill, Primequal CEO has declared that: "With the **Talent IH™**, Primequal demonstrates its leading position in custom designed surgical delivery systems. **Primequal is the first company to create a versatile adhesive applicator kit** that is now one of the easiest, safest and fastest ways to deliver surgical glue with precision. This is because it can be used with multiple glues*¹, it can fix multiple meshes and based on its cumulated skills, it will adapt to any situation."

Jeremy Charpiloz, Primequal surgical R&D has stated that: "Delivering a dose during surgical procedure is fundamentally difficult, especially if the **content is dangerous** such as cyanoacrylate surgical glues. **Talent IH™ is a successful and validated delivery assistant!**"

Fabienne Pasche, Primequal Customer service has commented that: " **Talent IH™** has raised the bar regarding efficiency and the quality of a surgical procedure. There is no doubt this will lead to a **new level of surgical possibilities** and a **new level of best practice.** "

Market info

Inguinal hernia occurs in 25% of men and 2% of women. It is caused by aging, being overweight or sport. Hernia surgery represents 10-15% of all general surgical procedures and it is the World's N°1 procedure. The global hernia repair device market generated \$3.6 billion in 2012 for 20 million surgical procedures. With an annual growth CAGR of 7.5%, it is expected to reach \$5.9 billion and 37 million procedures by year 2020. Annually it affects 5 million people in the USA.

Talent IH™ corresponds to the current focus on **Minimal Invasive Surgery (M.I.S)**. Key multinational players in the hernia repair market are Medtronic, Covidien, Hospital Health, Cook Medical, Johnson & Johnson, Ethicon, Becton Dickinson, Carefusion, C.R. Bard, Stryker Corporation, Atrium, W.L. Gore, Lifecell Corporation, B.Braun, Aesculap, Davol, Cooper Surgicals, Baxter, Insigntra medical and others.



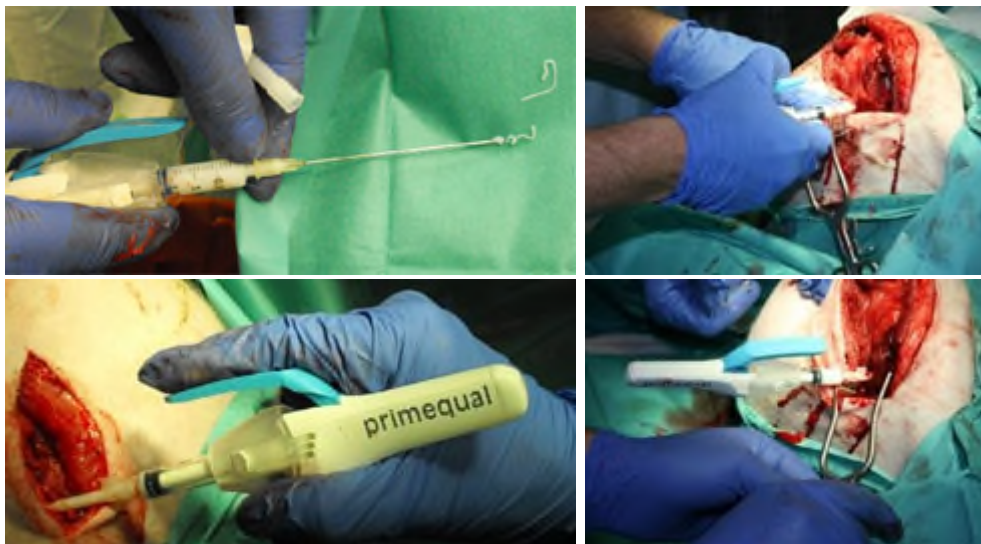
European Research FP7 Success Story

Use of Preciquant™ technology for surgical application was first part of an EU FP7 Research Grant named IMCOSS that demonstrated that the surgical procedure could be enhanced with a Preciquant™ delivery tool: dose mastery, precision of the delivery spot, effortless delivery of viscous products, speed, superior fillings, use of long cannulas and enhanced tactile feedback during the procedure.

"The research leading to these results has received funding from the European Union's Seventh Framework Programme managed by REA-Research Executive Agency <http://ec.europa.eu/research/rea> (FP7/2007-2013) under grant agreement n° 315679"



Co-funded by the FP7
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Example: Surgical delivery of highly viscous gel and paste



Disclaimer

Talent BT™ is the world's first automatic dosing system for botulinum toxin. Talent BT™ is a single use and disposable automatic syringe for botulinum toxin injections. The device is filled in front of the patient, immediately before it is applied. It is identical to a standard syringe pumping out from a vial. See user manual for further details. Standard and regulatory references: Council Directive 93/42/EEC for CE mark, FDA QSR 21 part 820, ISO 13485 and ISO 14971. The manufacturers reserve the right to modify the product without prior notice. Primequal™, Talent IH™, Preciquant™, 1 click 1 dose™, 1 click 1 unit™, AutomInject™, Smoothject™, pqtoolbox™, pqtool™, pqnorisk™, nanodroplets™, sterifullshield™, primeasepsis™ are Trademarks of Primequal SA, all rights reserved.

About Primequal

Primequal was created in 2005 by two highly specialized engineers, one from the Swiss Medical / Dental field and the other from the Swiss Luxury Watch Industry. Their common ground was their extraordinary innovative capacity and their unequalled ability to understand practitioner needs and human biology. They combined their skills to devise high quality reliable Pharmaceutical and Medical products that **shortened treatment duration whilst increasing treatment reliability**.

Commitment

Primequal is committed to provide the Medical and Pharmaceutical community with highly innovative products manufactured in accordance with the **Swiss quality tradition**. Primequal is based on a solid team of Experts in the medical field. Primequal works with Opinion Leaders and Universities worldwide to provide highly efficient products and the best answer to practitioners' daily needs. All Primequal products are 100% Swiss Engineered, 100% Swiss Made and 100% Swiss Quality.

Award Winning Team and Products

The Primequal Team and Primequal Products are regularly named in Swiss and International newspapers. Primequal has obtained the highly coveted CTI Certification from the Swiss Government, a testimonial of its high innovation and high market potential. The Preciquant™ has obtained the International « Reddot Design Award » and ADF « Innovation of the Year », a tribute to the high quality standards of our products. The Primequal Team has been awarded « Venture Leader » by members of the Ernst & Young « Entrepreneurs of the Year » committee. Talent™ range is the most awarded technology in the Pharmaceutical field. Amongst other awards, Talent™ technology received the highly coveted Pharmapack innovation award 2011 with regards to its « Ease of Use ».

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For more information on Primequal, visit our website at www.primequal.com