

Clinical study of Precilens B5 multipurpose solution for gaz permeable contact lenses, by Dr. Louissette Bloise, France

The study's objective was to validate the benefit of Precilens gp solution with provitamin B5 (Dexpanthenol) for gp wearers who were already using another solution.

Method

Precilens B5 consists of Polyhexanide with a concentration of 0,0001% (decontaminating agent of the biguanide), Poloxamine with a concentration of 0,5% (cleaning agent), Hydriflex-GP with a concentration of 0,5% (lubricant agent), and Dexpanthenol (Healing agent). The concentration of Dexpanthenol is 1%, which is a guarantee for a better comfort.

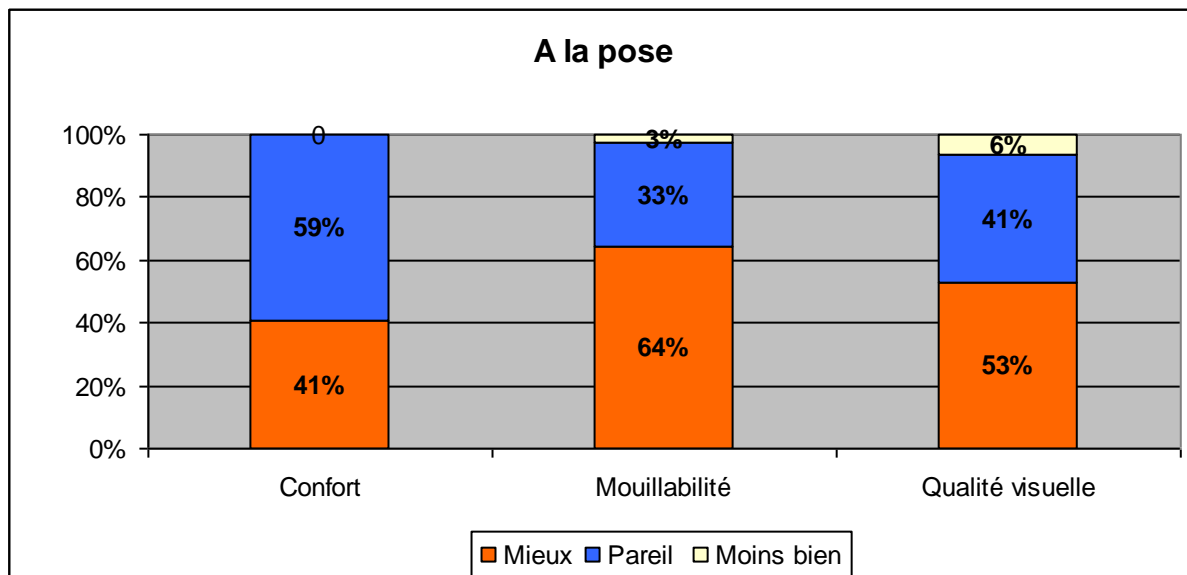
The study has been conducted by five ophthalmologists well experienced about fitting gp : Dr. Brodaty (Paris), Dr. Leblond (Grenoble), Dr. malecaze (Toulouse), Dr. N'Guyen (Paris), Dr. Bloise (Nice), among 39 patients, 25 women and 14 men, all wore gaz permeable contact lenses and all used another solution than Precilens B5.

- Mean age was 36 +/- 13,5
 - Minimum age : 14 years
 - Maximum age : 60 years
- People were wearing contact lenses for 6,5 years as an average, +/- 9 years
- Solutions that were used consisted of : Menicare (31), Boston (4), Total Care (1), Aosept (1), unknown (2), Progent (36).

After 30 days of use of Precilens B5, a questionnaire has been filled out by wearers to get their opinion at first fit and at the end of the day according to following criteria:

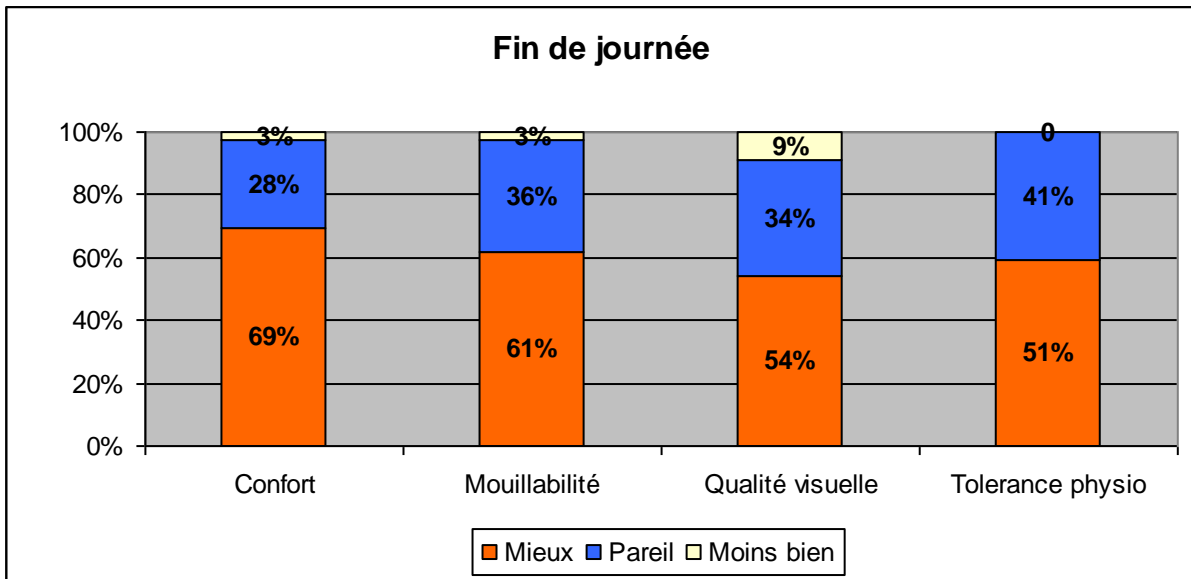
- comfort
- wettability
- Visual acuity
- physiological tolerance

Results at first fit



I don't know how to go in the graph : confort = comfort, mouillabilité = wettability, qualité visuelle = visual acuity
 Mieux = better, pareil = same, moins bien = not as good

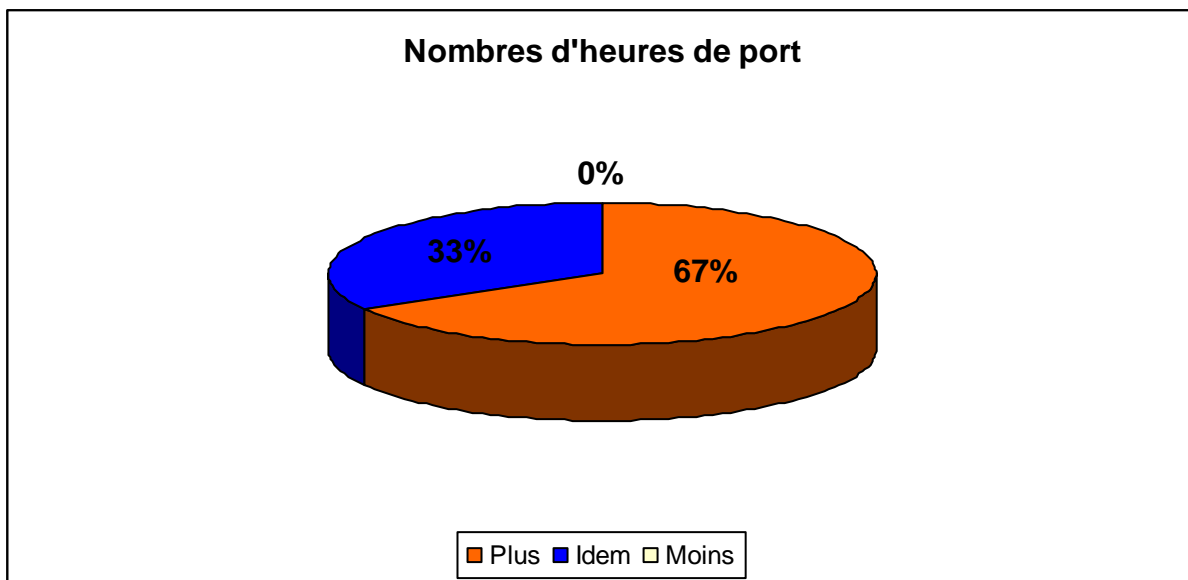
At the end of the day :



Precilens B5 is always better, if not it is as good to the other solutions, mainly as far as wettability is concerned all day long and as far as comfort is concerned at the end of the day, without any physiological tolerance matter.

Number of hours during which contact lens are worn:

2/3 of the wearers could wear their contact lenses a longer time in the day with B5 than previously.

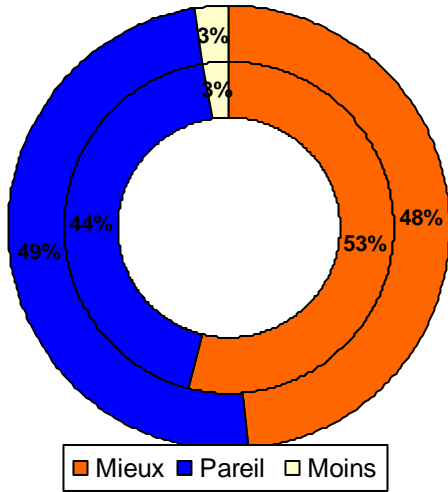


Plus = more time, idem = same, moins = less

Global satisfaction : Inside circle = wearers / external circle = doctors

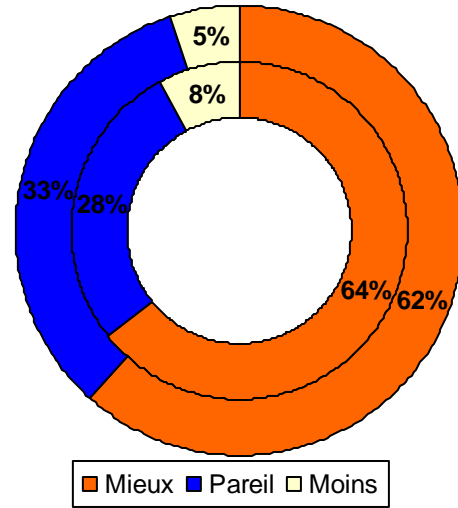
Satisfaction at fit

Satisfaction à la pose

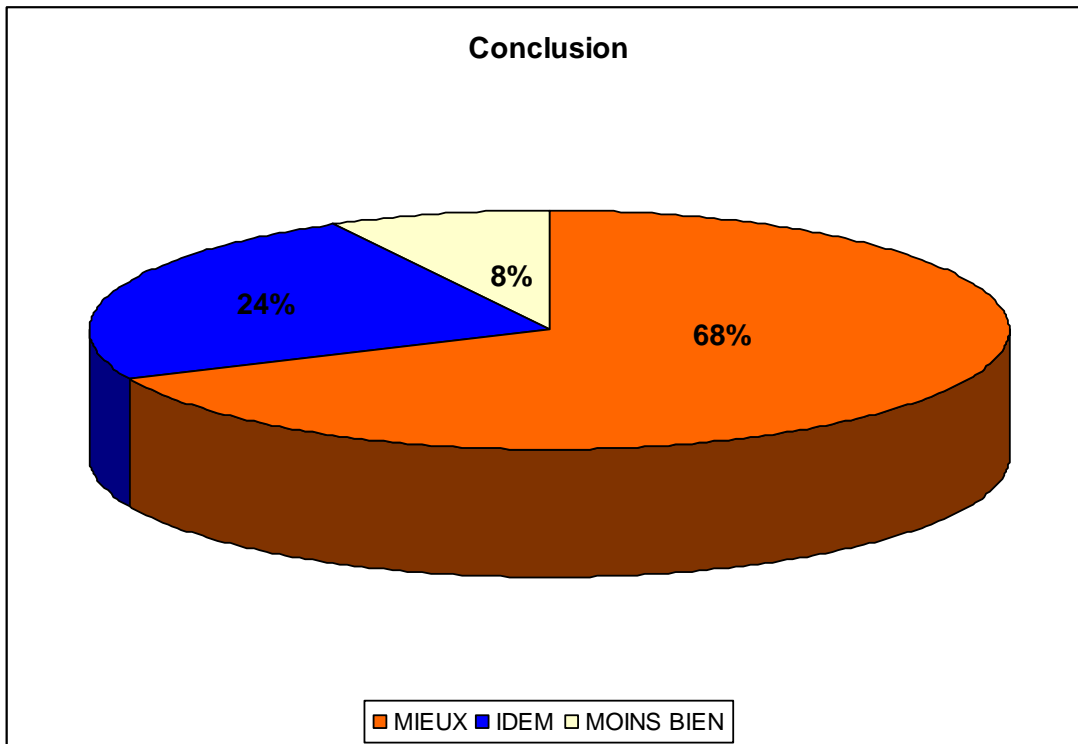


satisfaction end of the day

Satisfaction en fin de journée



conclusion



Mieux = better, idem = same, moins bien = not as good

68% of wearers have chosen to change their solution in favor of Precilens B5, and 24% of wearers did not notice a difference. All have kept their deproteinizer. Precilens B5 is compatible with all deproteinizers available on the market.

Conclusion :

Precilens B5 solution is the only multipurpose solution with Dexpanthenol (Provitamin B5), which does indeed prove efficient as far as the renewal of epithelium cells is concerned. This makes it possible to keep an unharmed corneal epithelium and to improve comfort and a healthy long wear of gaz permeable contact lenses.