

Clinical data



Study period : 2 years (from June 2004 to June 2006)

Number of participants : 600 operating room workers from various surgical fields belonging to 100 different French hospitals/clinics.

Assessment's method : The operating room workers marked every criterion of G-VIR® gloves (cuff length, for example) after using them during surgical procedure.

Marks : Ranging from 1 (unacceptable) to 5 (much higher than the average)

SURGICAL FIELDS	Orthopedists (125)	General, visceral, urology surgery (119)	Gyneco- Obstetrics (57)	Chest & Heart surgery (14)	Other (ORL, Plastic...) (135)	Operating Room nurses (168)	Overall average (618 people)
GENERAL PRESENTATION							
Packaging/Labelling	3,3	3,8	3,4	3,6	3,1	3,1	3,4
General appearance (material/ odour/ colour...)	3,4	3,4	3,5	3,1	3,4	3,4	3,4
COMFORT & ERGONOMY							
Dry hand donning	3,1	3,0	3,4	3,3	2,9	3,3	3,2
Cuff length	3,7	3,6	3,7	3,5	3,6	3,7	3,6
Cuff tightness	3,6	3,5	3,5	3,3	3,5	3,5	3,5
Shape / Hand fitting	3,4	3,4	3,5	2,9	3,3	3,5	3,3
Elasticity / Easiness of movements	3,3	3,2	3,5	3,0	3,3	3,3	3,3
Dexterity / Tactile feeling	3,1	2,9	3,2	2,5	3,0	3,1	3,0
Grip quality	3,5	3,2	3,4	2,8	3,4	3,3	3,3
BARRIER & SAFETY							
Mechanical resistance	4,1	4,1	4,2	4,5	4,1	4,1	4,2
Liquid tightness	4,1	4,1	4,3	4,5	4,1	4,1	4,2
Feeling of safety	4,1	4,1	4,2	4,6	4,1	4,2	4,2
SIDE EFFECTS							
Moist hands	3,4	3,3	3,6	2,7	3,3	3,6	3,3
Skin reactivity	3,8	3,6	3,8	3,2	3,7	3,7	3,6
Average	3,6	3,5	3,7	3,4	3,5	3,6	3,5

The results of this study demonstrate that the G-VIR® glove, with a thickness equivalent to that of the double glove, satisfies totally the dexterity, comfort and resistance required in surgical practice.