SARID שריד
שרותי מחקר והדרכה

Approaches towards Using Long Leg Brace in Magen David Adom: Preliminary Findings

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SARID שריד
שרותי מחקר והדרכה

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Descriptive data of subjects used Long Leg Brace (leg injury)

Table 1:

		N	%
Type of Accident injured of:	work	3	13%
	road	8	35%
	home	2	9%
	else	10	43%
Injury location	foot with stabilizer	22	96%
	thigh-wrong use	1	4%
Did you use the padding?	yes	12	67%
	no	6	33%
	Total	18	100%

Other accidents occurred in:

Place of accidents	n
Public place	2
Falling in the street	5
Basket ball game	1
Falling (undefined)	3

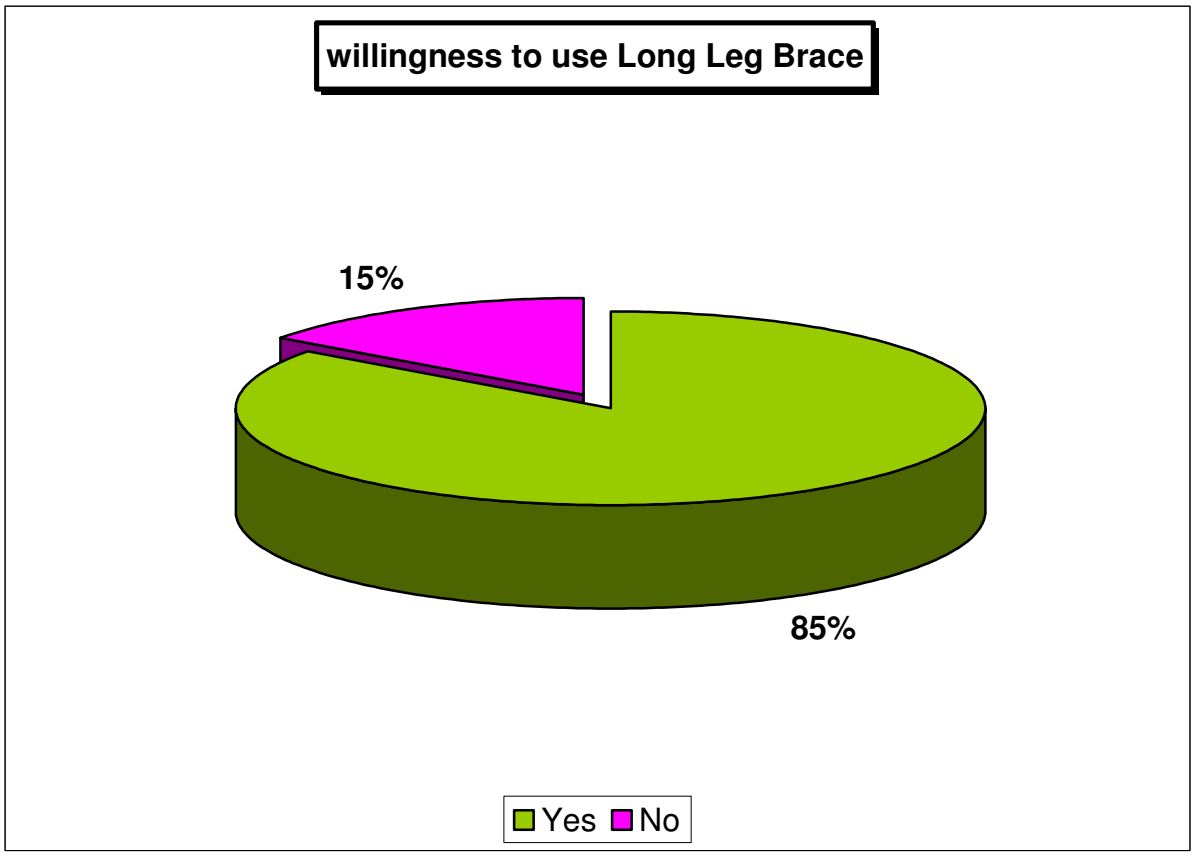
Table 2: Willingness to use the long leg brace

	N	%
yes	17	85%
no	3	15%

Remarks long leg brace versus Canadian/triplet stabilizer

	Long leg brace	Canadian/triplet
▪	The stabilizer is too long and a bit complex to assemble.	Does not support the leg well enough n=3
▪	The stabilizer dramatically reduces the patient's pain during a car ride	The kit does not reduce the limb shocks during a car ride and causes pain to the patient
▪	The straps are complex and not friendly. Pumping up takes to much time. The Canadian kit is more convenient to use.	There is a need for support to the limb, but it isn't comfortable in different situations such as a miss-match of the stabilizer size.
▪	The stabilizer relieved the patient's pain, but assembly is complex.	
▪	In the aspect of the affixing it is better than the Canadian but the treatment time is too long	
▪	Reduces pain significantly	
▪	Assembly is complex, the pump is high pressured, but very efficient	Does the job but not easy to assemble and to remove at the hospital

Diagram 1.



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Descriptive Data of Subjects that used Canadian/triplet stabilizer

Table 3.

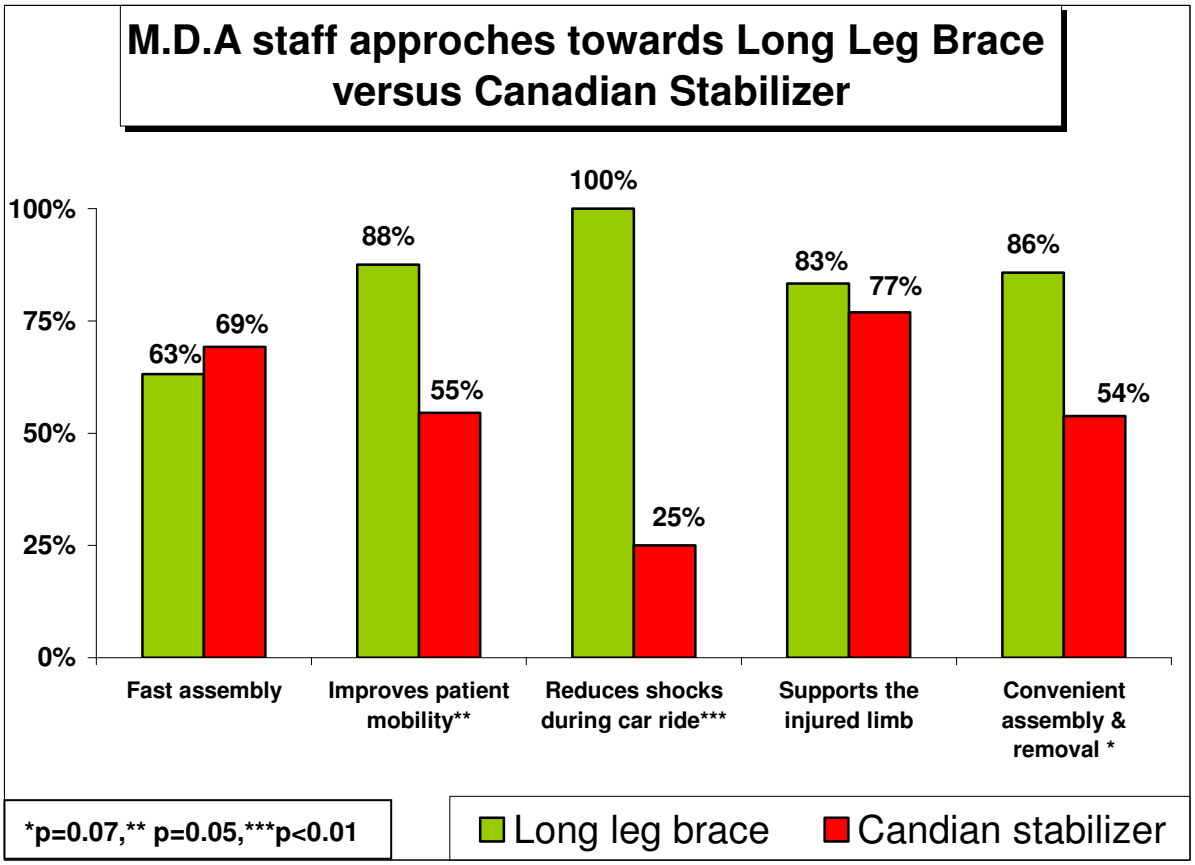
		N	%
Type of Accident injured of:	work	3	19%
	road	8	50%
	home	3	19%
	else	2	13%
Injury location	foot with stabilizer	14	88%
	thigh-wrong use	2	12%
Type of stabilizer that assembled	Canadian	13	81%
	triplet	3	19%
	Total	16	100%

Table 4: chi square, correlation between type of support to staff approaches
(The percents sum-up subjects that agree and strongly agree with each item).

In your opinion Long leg brace /Canadian is:	Type of stabilizer				Chi square
	Long leg brace		Canadian		
	n	%	n	%	
Fast assembly	12	63.2%	9	69.2%	0.13
Improves patient mobility	14	87.5%	6	54.5%	3.69**
Reduces shocks during car ride	19	100.0%	3	25.0%	20.08***
Supports the injured limb	15	83.3%	10	76.9%	0.2
Convenient assembly & removal	12	85.7%	7	53.8%	3.28*

*p=0.07 ** ,p=0.05,*** p<0.01

Diagram2:


M.D.A staff approches towards Long Leg Brace versus Canadian Stabilizer
100%
75%
50%
25%
0%
63%
69%
88%
55%
100%
25%
83%
77%
86%
54%
Fast assembly
Improves patient mobility**
Reduces shocks during car ride***
Supports the injured limb
Convenient assembly & removal *
*p=0.07,** p=0.05,***p<0.01
Long leg brace
Candian stabilizer