

## ABiC CASE STUDY SERIES

### INTERIM 18 MONTH RESULTS: MAY 2017

MAHMOUD A KHAIMI, MD

DEAN MCGEE EYE INSTITUTE, UNIVERSITY OF OKLAHOMA

**TABLE 1: SUMMARY OF PERCENTAGE REDUCTION IN IOP AND MEDICATION USE COMPARED TO BASELINE**

	ALL EYES (n=59 pre-op)		PHACO+ ABiC (n=35 pre-op)		STANDALONE ABiC (n=24 pre-op)	
	12-month	18-month	12-month	18-month	12-month	18-month
n (eyes)	38	34	18	18	20	16
Reduction in IOP (%)	25.7%	23.6%	24.1%	22.8%	27.9%	25.0%
Reduction in number of medications (%)	76.2%	64.8%	89.5%	84.2%	64.8%	44.1%

- Retrospective analysis, single-center, non-randomized study to demonstrate the efficacy and safety of ABiC with iTrack in reducing IOP and glaucoma medication dependence in patients with uncontrolled, mild to moderate primary open angle glaucoma (POAG) over 18 months.
- The analysis also compared the efficacy of ABiC with iTrack in reducing IOP and glaucoma medication dependence between patients undergoing a standalone procedure and patients undergoing a combined procedure of cataract surgery and ABiC.
- Note: interim data only. Data unpublished.
- Note: “Healon” viscoelastic used for canal dilation. Approx. 35 clicks applied.

**TABLE 2: ABiC™ ALL EYES**

Exam	n	Mean IOP (mm Hg) ± SD	P-Value	Mean Medications (n) ± SD	P-Value
Baseline	59	21.22 ±4.86	-	2.10 ±0.94	-
3 Months	43	16.72 ±3.36	0.000	0.12 ±0.39	0.000
6 Months	41	16.00 ±3.26	0.000	0.34 ±0.62	0.000
12 Months	38	15.76 ±3.54	0.000	0.50 ±0.69	0.000
18 Months	34	16.21 ±3.14	0.000	0.74 ±0.83	0.000

- There was a statistically significant reduction in IOP between the pre-operative visit and all post-operative visits ( $p < 0.05$ ): at 18 months there was a 23.6% reduction in mean IOP, as compared to baseline.
- There was a statistically significant reduction in number of medications between the pre-operative visit and all post-operative visits ( $p < 0.05$ ): at 18 months there was a 64.8% reduction in the mean number of medications as compared to baseline.

# INTERIM 18 MONTH RESULTS: MAY 2017

**TABLE 3: ABIC™ COMBINED WITH PHACOEMULSIFICATION**

Exam	n	Mean IOP (mm Hg) ± SD	P-Value	Mean Medications (n) ± SD	P-Value
Baseline	35	20.8 ±0.75	-	2.09 ±0.16	-
3 Months	24	15.21 ±0.47	0.004	0.00 ±0.06	0.000
6 Months	22	15.41 ±0.67	0.003	0.05 ±0.05	0.000
12 Months	18	15.78 ±0.87	0.044	0.22 ±0.10	0.000
18 Months	18	16.06 ±0.63	0.003	0.33 ±0.11	0.000

- There was a statistically significant reduction in IOP between the pre-operative visit and all post-operative visits ( $p < 0.05$ ): at 18 months there was a 22.8% reduction in mean IOP, as compared to baseline.
- There was a statistically significant reduction in the number of medications between the pre-operative visit and all post-operative visits ( $p < 0.05$ ): at 18 months there was a 84.2% reduction in the mean number of medications as compared to baseline.

**TABLE 4: STANDALONE ABIC™**

Exam	n	Mean IOP (mm Hg) ± SD	P-Value	Mean Medications (n) ± SD	P-Value
Baseline	24	21.83 ±5.47	-	2.13 ± 0.99	-
3 Months	19	18.63 ±3.55	0.162	0.26 ± 0.13	0.000
6 Months	19	16.68 ±3.35	0.002	0.68 ±0.17	0.000
12 Months	20	15.75 ±3.51	0.000	0.75 ±0.79	0.000
18 Months	16	16.38 ±3.69	0.000	1.19 ±0.91	0.008

- There was a statistically significant reduction in IOP between the pre-operative visit and all post-operative visits ( $p < 0.05$ ): at 18 months there was a 25.0% reduction in mean IOP, as compared to baseline.
- There was a statistically significant reduction in the number of medications between the pre-operative visits and all post-operative visits ( $p < 0.05$ ): at 18 months there was a 44.1% reduction in the mean number of medications as compared to baseline.

© 2017, Ellex Medical Pty. Ltd. ABIC and iTrack are trademarks of Ellex Medical Pty Ltd. Ellex is a registered trademark of Ellex Medical Pty Ltd. E&OE.



ellex.com

**Head Office**  
3 Second Avenue  
Mawson Lakes, SA, 5095 AUSTRALIA  
+61 8 7074 8200

**Registered Office**  
82 Gilbert Street  
Adelaide, SA, 5000 AUSTRALIA  
+61 8 7074 8200

**Ellex Inc. (USA)**  
7138 Shady Oak Road  
Minneapolis, MN, 55344 USA  
800 824 7444

**Ellex iTrack**  
41316 Christy Street  
Fremont, CA, 94538 USA  
800 391 2316

**Ellex Inc. (Japan)**  
3F, 3-2-22 Harumi Chuo-ku  
Tokyo 104-0053 JAPAN  
+81 3 5859 0470

**Ellex France SARL**  
La Chaufferie - 555 chemin du bois  
69140 Rillieux la Pape FRANCE  
+33 4 8291 0460

**Ellex Deutschland GmbH**  
ZPO floor 1, Carl-Scheele-Str.16  
12489 Berlin GERMANY  
+49 30 6392896 00

**Ellex Australia**  
3 Second Avenue  
Mawson Lakes, SA, 5095 AUSTRALIA  
+61 8 7074 8200