LASIK World Literature Review: Patient Satisfaction and Quality of Life

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Conclusion

- World literature review confirms greater than 95% of people from around the world are satisfied with their LASIK procedure.
Databases
1. PubMed
2. Ovid Article Indexes (Medline, CINALHL, PsycINFO, MUSC Journals)

Key Words
LASIK, Laser Vision Correction, Laser in situ keratomileusis

2915 Abstracts Reviewed

1581 Articles Requested & Reviewed

309 incorporated in Database*

5 Non-English (German, Russian, Chinese, French, Hungarian) | 304 English

Strength of Evidence*

Level I
- Well-designed and well-conducted randomized clinical trials

Level II
- Well-designed case-control and cohort studies

Level III
- Case series, case reports, and poorly designed prospective and retrospective studies
Results - Journal

309
1994 to 2008

AJO
16 (5.2%)
Arch Ophthalmol
1 (0.3%)
BJO
3 (1.0%)
Cornea
8 (2.6%)
JCRS
77 (24.9%)
JRS
114 (36.9%)
Ophthalmology
43 (13.9%)
Other*
47 (15.2%)

Results – Location of Study

- **309**
  - **North America**: 114 (36.9%)
    - USA: 104 (91.2%)
    - Canada: 10 (8.8%)
  - **Europe**: 100 (32.4%)
  - **Australia**: 5 (1.6%)
  - **Asia**: 65 (21.0%)
  - **Africa**: 6 (1.9%)
  - **N/A**: 2 (0.6%)
TOTAL 19 Articles

Published: 1996 - 2007

Surgeries: 1995 - 2003

Treatment range (SE): -22.75 to +7.00

Age range (yr): 18 to 67

Follow-up range (mo): 1 to 60

13 countries

7 USA, UAE, Scotland, Ireland, Netherlands, France, India, Iran, Turkey, Spain, UK, Egypt, South Africa
Overall
Satisfied 95.4%
Unsatisfied 4.6%
(n = 2199)

Myopes
n = 1929
Satisfied 95.3%
Unsatisfied 4.7%

Hyperopes
n = 297
96.3% Satisfied
3.7% Unsatisfied

Surgeries
1995 to 2000
n = 1113
Satisfied 96.0%
Unsatisfied 4.0%

Surgeries
2001 to 2003
n = 511
94.9% Satisfied
5.1% Unsatisfied

USA
n = 1262
Satisfied 95.2%
Unsatisfied 4.8%

Rest of the World
n = 937
95.6% Satisfied
4.4% Unsatisfied

Validated Questionnaires
n = 270
Satisfied 93.7%
Unsatisfied 6.3%

Non-Validated Questionnaire
n = 1928
95.6% Satisfied
4.4% Unsatisfied

Anonymous Questionnaire
n = 338
Satisfied 98.8%
Unsatisfied 1.2%

Non-Anonymous Questionnaire
n = 1645
94.8% Satisfied
5.2% Unsatisfied

Questionnaire completed within 6 months after LASIK
n = 1459
Satisfied 94.8%
Unsatisfied 5.2%

Questionnaire completed ≥ 7 months after LASIK
n = 477
98.5% Satisfied
1.5% Unsatisfied
Conclusion

• The vast majority of patients are satisfied with their LASIK surgery

• Our continued goal is to make this better for everyone
Thank you