



Cornea, External Disease and Refractive Surgery (2009–2016)

Cornea and External Disease

PROCEDURES REPORTED BY FELLOWS IN ALL CORNEA PROGRAMS

PROCEDURE	ACADEMIC YEAR	# OF FELLOWS	AVERAGE # OF PROCEDURES PERFORMED AS PRIMARY SURGEON	AVERAGE # OF PROCEDURES PERFORMED AS ASSISTING SURGEON	MEDIAN FOR PROCEDURES PERFORMED AS PRIMARY SURGEON	MEDIAN FOR PROCEDURES PERFORMED AS ASSISTING SURGEON	25 TH /75 TH PERCENTILE PRIMARY SURGEON	25 TH /75 TH PERCENTILE ASSISTING SURGEON
AMNIOTIC OR FREE CONJUNCTIVAL TRANSPLANTS OR GUNDERSON FLAP	2008 – 2009	74	4.4	3.2	4	3	2 / 6	0 / 5
	2009 – 2010	87	6.3	3.2	5	2	2 / 9	0 / 4
	2010 – 2011	52	5.8	2.9	3	2	2 / 6	0 / 5
	2011 – 2012	67	7.9	3	6	2	4 / 8	0 / 4
	2012 – 2013	73	6.7	3.5	5	2	2 / 10	0 / 4
	2013 – 2014	75	6.7	2.6	5	1	3 / 10	0 / 3
	2014 – 2015	65	8.1	3.9	7	1	2 / 12	0 / 4
	2015 – 2016	71	8.1	3.6	5	2	3 / 10	1 / 4
CORNEAL LACERATION REPAIR	2008 – 2009	74	2.6	1.3	3	0	1 / 5	0 / 2
	2009 – 2010	87	3.9	1.4	2	0	1 / 5	0 / 2
	2010 – 2011	52	3.7	1.2	3	0	1 / 5	0 / 1
	2011 – 2012	67	4	1.1	3	0	1 / 6	0 / 1
	2012 – 2013	73	3.5	1.1	3	0	1 / 5	0 / 2
	2013 – 2014	75	3.5	0.9	2	0	1 / 4	0 / 1
	2014 – 2015	65	4	1.1	3	0	1 / 6	0 / 1
	2015 – 2016	71	4.1	0.9	3	0	1 / 6	0 / 1
PATCH GRAFT, TECTONIC GRAFT	2008 – 2009	74	1.3	1.4	2	1	1 / 2	0 / 3
	2009 – 2010	87	1.8	1.1	1	1	0 / 3	0 / 2
	2010 – 2011	52	2.3	1.2	2	1	0 / 3	0 / 2
	2011 – 2012	67	2.1	1.2	2	1	1 / 3	0 / 2
	2012 – 2013	73	2.1	1.3	1	1	0 / 3	0 / 2
	2013 – 2014	75	1.9	1.7	1	1	0 / 2	0 / 2
	2014 – 2015	65	2.4	1.2	2	1	1 / 3	0 / 2
	2015 – 2016	71	2.3	1	2	1	1 / 4	0 / 2



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PENETRATING KERATOPLASTY (PK, PKP)	2008 – 2009	74	27.2	22.7	26	20	17 / 37	7 / 40
	2009 – 2010	87	28.4	19.9	30	12	19 / 36	4 / 28
	2010 – 2011	52	26.5	17.8	27	14	14 / 35	6 / 23
	2011 – 2012	67	28.8	16.7	28	8	20 / 34	5 / 20
	2012 – 2013	73	25.8	14.1	24	10	17 / 31	4 / 20
	2013 – 2014	75	25.5	17	22	10	15 / 35	4 / 20
	2014 – 2015	65	27.9	13.4	25	10	19 / 35	4 / 20
	2015 – 2016	71	27.9	14.4	25	10	19 / 34	5 / 16
PTERYGIUM (WITH OR WITHOUT GRAFT)	2008 – 2009	74	8.8	6.1	6	3	4 / 10	0 / 7
	2009 – 2010	87	12.3	5.6	9	3	4 / 13	2 / 6
	2010 – 2011	52	9.9	4.9	7	4	3 / 11	2 / 5
	2011 – 2012	67	11	6.3	8	3	4 / 15	1 / 7
	2012 – 2013	73	9.9	5.8	8	3	4 / 13	1 / 8
	2013 – 2014	75	10.9	5.5	8	3	5 / 15	1 / 7
	2014 – 2015	65	12.3	5.9	9	4	5 / 16	1 / 8
	2015 – 2016	71	12	6.6	10	3	5 / 16	2 / 8
STEM CELL TRANSPLANT	2008 – 2009	74	0.7	0.8	1	1	0 / 1	0 / 1
	2009 – 2010	87	0.7	1.3	0	0	0 / 0	0 / 1
	2010 – 2011	52	0.4	0.4	0	0	0 / 0	0 / 1
	2011 – 2012	67	0.4	0.9	0	0	0 / 1	0 / 1
	2012 – 2013	73	0.5	0.6	0	0	0 / 1	0 / 1
	2013 – 2014	75	0.6	0.7	0	0	0 / 1	0 / 1
	2014 – 2015	65	0.5	0.8	0	0	0 / 1	0 / 1
	2015 – 2016	71	0.5	0.7	0	0	0 / 0	0 / 1



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PROCEDURE	ACADEMIC YEAR	# OF FELLOWS	AVERAGE # OF PROCEDURES PERFORMED AS PRIMARY SURGEON	AVERAGE # OF PROCEDURES PERFORMED AS ASSISTING SURGEON	MEDIAN FOR PROCEDURES PERFORMED AS PRIMARY SURGEON	MEDIAN FOR PROCEDURES PERFORMED AS ASSISTING SURGEON	25 TH /75 TH PERCENTILE PRIMARY SURGEON	25 TH /75 TH PERCENTILE ASSISTING SURGEON
SURGERY FOR SURFACE NEOPLASIA	2008 – 2009	74	2.5	2.6	2	2	1 / 4	1 / 4
	2009 – 2010	87	3.1	2.8	2	2	0 / 4	0 / 4
	2010 – 2011	52	2.9	2.8	2	2	0 / 4	0 / 4
	2011 – 2012	67	3.8	2.5	3	1	2 / 5	0 / 3
	2012 – 2013	73	5	3.2	3	2	1 / 8	0 / 4
	2013 – 2014	75	4.3	2.6	3	1	1 / 5	0 / 3
	2014 – 2015	65	4.2	3.4	3	2	1 / 5	0 / 4
	2015 – 2016	71	4	2.5	3	2	1 / 5	0 / 3
TARSORRAPHY	2008 – 2009	74	3.3	1.2	3	1	2 / 6	0 / 2
	2009 – 2010	87	4.7	1.9	4	1	1 / 5	0 / 2
	2010 – 2011	52	5.2	1.5	4	1	2 / 6	0 / 2
	2011 – 2012	67	5.2	3.1	4	1	2 / 6	0 / 2
	2012 – 2013	73	5.3	1.7	4	1	2 / 8	0 / 2
	2013 – 2014	75	4.7	1.3	3	0	1 / 6	0 / 2
	2014 – 2015	65	6.4	1.5	5	1	2 / 8	0 / 2
	2015 – 2016	71	6.1	1.7	4	1	2 / 8	0 / 2
CORNEAL TRANSPLANT	2008 – 2009	74	6.3	5.2	12	1	0 / 25	0 / 21
	2009 – 2010	87	17.1	15.3	0	0	0 / 24	0 / 10
	2010 – 2011	52	4.5	5.6	0	0	0 / 1	0 / 1
	2011 – 2012	67	8.9	6.3	0	0	0 / 6	0 / 2
	2012 – 2013	73	12	9.1	0	0	0 / 7	0 / 3
	2013 – 2014	75	9.6	9.8	0	0	0 / 9	0 / 4
	2014 – 2015	65	10.3	9.8	0	0	0 / 4	0 / 3
	2015 – 2016	71	15.4	11.3	0	0	0 / 26	0 / 12



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DEEP ANTERIOR LAMELLAR KERATOPLASTY (DALK) (FULL STROMAL REMOVAL)	2008 – 2009	74	0.7	2.3	0	2	0 / 1	0 / 4
	2009 – 2010	87	1.7	2.7	0	1	0 / 2	0 / 3
	2010 – 2011	52	1.8	3	1	2	0 / 3	1 / 4
	2011 – 2012	67	1.9	2.9	1	1	0 / 2	1 / 4
	2012 – 2013	73	1.5	3.1	1	2	0 / 2	1 / 4
	2013 – 2014	75	1.9	3	1	1	0 / 3	0 / 3
	2014 – 2015	65	2.5	2.3	2	2	0 / 3	0 / 3
	2015 – 2016	71	2	2.1	1	1	0 / 3	0 / 3
ENDOTHELIAL KERATOPLASTY (DSEK, DLEK, DMEK)	2008 – 2009	74	16.4	29.9	11	17	5 / 21	9 / 30
	2009 – 2010	87	20.3	21.8	18	13	9 / 24	7 / 27
	2010 – 2011	52	21.6	21.6	18	13	10 / 22	7 / 25
	2011 – 2012	67	23.1	19.5	19	14	14 / 27	5 / 20
	2012 – 2013	73	23.3	18	18	15	10 / 28	7 / 22
	2013 – 2014	75	25.6	20.1	21	15	13 / 30	5 / 24
	2014 – 2015	65	31	22.2	27	16	17 / 41	9 / 25
	2015 – 2016	71	31.7	23.2	25	16	17 / 36	10 / 28
FORNIX RECONSTRUCTION WITH GRAFT	2008 – 2009	74	0.4	0.4	1	0	0 / 1	0 / 1
	2009 – 2010	87	0.7	0.8	0	0	0 / 1	0 / 1
	2010 – 2011	52	0.5	0.9	0	0	0 / 0	0 / 1
	2011 – 2012	67	0.8	1	0	0	0 / 1	0 / 1
	2012 – 2013	73	0.7	0.7	0	0	0 / 1	0 / 1
	2013 – 2014	75	1.1	0.6	0	0	0 / 1	0 / 1
	2014 – 2015	65	0.8	0.6	0	0	0 / 1	0 / 1
	2015 – 2016	71	0.5	0.7	0	0	0 / 1	0 / 1



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PROCEDURE	ACADEMIC YEAR	# OF FELLOWS	AVERAGE # OF PROCEDURES PERFORMED AS PRIMARY SURGEON	AVERAGE # OF PROCEDURES PERFORMED AS ASSISTING SURGEON	MEDIAN FOR PROCEDURES PERFORMED AS PRIMARY SURGEON	MEDIAN FOR PROCEDURES PERFORMED AS ASSISTING SURGEON	25 TH /75 TH PERCENTILE PRIMARY SURGEON	25 TH /75 TH PERCENTILE ASSISTING SURGEON
KERATECTOMY (MANUAL OR PTK)	2008 – 2009	74	4.3	4.4	3	3	1 / 5	0 / 5
	2009 – 2010	87	5.8	4.9	3	3	1 / 6	1 / 5
	2010 – 2011	52	4.3	4.1	3	3	2 / 6	1 / 5
	2011 – 2012	67	6.4	3.8	5	2	2 / 8	1 / 4
	2012 – 2013	73	5.9	4.1	4	2	1 / 8	1 / 5
	2013 – 2014	75	6.1	3.9	4	2	3 / 7	0 / 5
	2014 – 2015	65	9	5.3	5	3	2 / 13	0 / 6
	2015 – 2016	71	8.2	5.1	6	2	2 / 10	0 / 6
LAMELLAR KERATOPLASTY (LK)	2008 – 2009	74	0.5	0.7	1	1	0 / 2	0 / 2
	2009 – 2010	87	0.6	0.9	0	0	0 / 1	0 / 1
	2010 – 2011	52	1.2	1.3	0	0	0 / 1	0 / 1
	2011 – 2012	67	1.2	1.5	0	0	0 / 1	0 / 1
	2012 – 2013	73	1.2	1.1	0	0	0 / 1	0 / 1
	2013 – 2014	75	1.3	1.5	0	0	0 / 1	0 / 1
	2014 – 2015	65	1.2	1.4	0	0	0 / 1	0 / 1
	2015 – 2016	71	2.1	2.1	0	0	0 / 1	0 / 1



Cornea, External Disease and Refractive Surgery (2009–2016)

Refractive Procedures

PROCEDURES REPORTED BY FELLOWS ONLY IN PROGRAMS DESIGNATED AS REFRACTIVE

PROCEDURE	ACADEMIC YEAR	# OF FELLOWS	AVERAGE # OF PROCEDURES PERFORMED AS PRIMARY SURGEON	AVERAGE # OF PROCEDURES PERFORMED AS ASSISTING SURGEON	MEDIAN FOR PROCEDURES PERFORMED AS PRIMARY SURGEON	MEDIAN FOR PROCEDURES PERFORMED AS ASSISTING SURGEON	25 TH /75 TH PERCENTILE PRIMARY SURGEON	25 TH /75 TH PERCENTILE ASSISTING SURGEON
ENHANCEMENT OR FLAP LIFT FOR ANY REASON	2008 – 2009	62	1.3	5.3	1	6	0 / 3	0 / 10
	2009 – 2010	72	1.4	6.4	1	4	0 / 2	0 / 10
	2010 – 2011	43	1.7	6	1	3	0 / 2	0 / 7
	2011 – 2012	56	1.9	5.5	1	1	0 / 2	0 / 3
	2012 – 2013	61	1.2	3.3	0	1	0 / 2	0 / 5
	2013 – 2014	62	1.7	3.2	1	0	0 / 2	0 / 4
	2014 – 2015	55	1.2	3.1	1	1	0 / 2	0 / 3
	2015 – 2016	58	1.6	3.2	0	2	0 / 2	0 / 3
LASIK (MUST INCLUDE CREATION OF FLAP)	2008 – 2009	62	16.4	44.9	14	30	6 / 26	0 / 61
	2009 – 2010	72	19.3	48.5	12	30	6 / 28	5 / 50
	2010 – 2011	43	21.7	51.9	10	20	4 / 20	0 / 70
	2011 – 2012	56	21.3	34.3	12	16	8 / 21	0 / 40
	2012 – 2013	61	21.1	37.1	10	18	6 / 18	2 / 30
	2013 – 2014	62	18.1	25.4	10	5	4 / 16	0 / 28
	2014 – 2015	55	16.9	38.2	10	19	4 / 18	2 / 42
	2015 – 2016	58	21.8	34.8	10	22	6 / 22	1 / 42
OTHER (AK, CK, INTACS)	2008 – 2009	62	2	4.7	1	5	0 / 3	2 / 10
	2009 – 2010	72	7.2	11.4	0	3	0 / 2	0 / 6
	2010 – 2011	43	3.7	5	0	3	0 / 2	0 / 6
	2011 – 2012	56	8.6	6.1	1	1	0 / 4	0 / 7
	2012 – 2013	61	16.2	8.9	0	2	0 / 4	0 / 6
	2013 – 2014	62	3.7	5.5	1	1	0 / 2	0 / 5
	2014 – 2015	55	17.5	5.1	0	2	0 / 4	0 / 5
	2015 – 2016	58	4.1	5	0	1	0 / 2	0 / 3



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Refractive Procedures

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PHAKIC IOL	2008 – 2009	62	0	1.1	0	1	0 / 0	0 / 2
	2009 – 2010	72	0.4	2	0	1	0 / 0	0 / 2
	2010 – 2011	43	1	3.9	0	0	0 / 0	0 / 3
	2011 – 2012	56	0.4	2.4	0	0	0 / 0	0 / 2
	2012 – 2013	61	1	5	0	0	0 / 0	0 / 2
	2013 – 2014	62	1.1	3.7	0	0	0 / 0	0 / 2
	2014 – 2015	55	0.8	2	0	0	0 / 0	0 / 2
	2015 – 2016	58	0.5	1.9	0	0	0 / 0	0 / 2
PRK, LASEK, SURFACE ABLATION	2008 – 2009	62	5.4	15.7	5	7	2 / 8	0 / 22
	2009 – 2010	72	13.9	17.3	4	10	2 / 10	0 / 20
	2010 – 2011	43	13	24.3	5	10	2 / 10	0 / 20
	2011 – 2012	56	15.8	18	5	8	2 / 16	0 / 18
	2012 – 2013	61	15.1	11	4	7	1 / 14	0 / 14
	2013 – 2014	62	15.4	9.8	5	5	1 / 16	0 / 15
	2014 – 2015	55	18	14.7	6	8	2 / 18	0 / 20
	2015 – 2016	58	18.4	22.3	6	10	2 / 16	1 / 20