

Table E2. Chi-Square analysis of diagnoses compared to institutions.

Patient demographics by institutions (N=2603)					
	Utah (N=1861)		Zurich (N=742)		P-value
	N	%	N	%	
Demographics					<0.001
Age at admission					
18 - 34	368	19.8%	286	38.5%	
35 - 54	577	31.0%	256	34.5%	
55 - 65	334	18.0%	89	12.0%	
65+	582	31.3%	111	15.0%	
Gender					0.013
Female	1149	61.7%	419	56.5%	
Male	712	38.3%	323	43.5%	
Department					0.051
Neurology	152	8.2%	44	5.9%	
Ophthalmology	1709	94.1%	698	92.5%	
Unilateral					<0.001
No	756	40.7%	242	32.6%	
Yes	1101	59.3%	500	67.4%	
Conjunctivitis/Keratitis/Infection					<0.001
No	1306	70.2%	374	50.4%	
Yes	555	29.8%	368	49.6%	
Dry Eye/Blepharitis					0.015
No	1507	81.0%	631	85.0%	
Yes	354	19.0%	111	15.0%	
Headache/Migraine					<0.001
No	1696	91.1%	736	99.2%	
Yes	165	8.9%	6	0.8%	
Uveitis					0.329
No	1759	94.5%	694	93.5%	
Yes	102	5.5%	48	6.5%	
Cataract or Other Anterior Segment Surgery					<0.001
No	1776	95.4%	741	99.9%	
Yes	85	4.6%	1	0.1%	
Hordeolum/Chalazion					<0.001
No	1828	98.2%	691	93.1%	
Yes	33	1.8%	51	6.9%	
Optic Neuritis					0.125
No	1816	97.6%	716	96.5%	
Yes	45	2.4%	26	3.5%	
Ectropion/Entropion/Lid Disorder					0.002
No	1804	96.9%	735	99.1%	
Yes	57	3.1%	7	0.9%	
Herpes Virus					0.023

No	1811	97.3%	733	98.8%	
Yes	50	2.7%	9	1.2%	
Scleritis					0.132
No	1826	98.1%	721	97.2%	
Yes	35	1.9%	21	2.8%	
Glaucoma					0.420
No	1834	98.6%	728	98.1%	
Yes	27	1.5%	14	1.9%	
Foreign Body					<0.001
No	1827	98.2%	742	100.0%	
Yes	34	1.8%	0	0.0%	
Retinal Disease					0.642
No	1840	98.9%	732	98.7%	
Yes	21	1.1%	10	1.4%	
Keratopathy/Corneal Dystrophy					0.015
No	1836	98.7%	740	99.7%	
Yes	25	1.3%	2	0.3%	
Contact Lens Wear					0.005
No	1841	98.9%	742	100.0%	
Yes	20	1.1%	0	0.0%	
Idiopathic Intracranial Hypertension					0.081
No	1844	99.1%	740	99.7%	
Yes	17	0.9%	2	0.3%	
Ischemic/Thrombotic events					0.945
No	1848	99.3%	737	99.3%	
Yes	13	0.7%	5	0.7%	
Ocular/Periocular Injury					0.082
No	1847	99.3%	741	99.9%	
Yes	14	0.8%	1	0.1%	
Cellulitis					0.013
No	1856	99.7%	734	98.9%	
Yes	5	0.3%	8	1.1%	
Trigeminal/Cranial Nerve Disorder					1.000
No	1851	99.5%	739	99.6%	
Yes	10	0.5%	3	0.4%	
Orbital Myositis					0.113
No	1855	99.7%	736	99.2%	
Yes	6	0.3%	6	0.8%	
Cranial Mass/Neoplasm					1.000
No	1854	99.6%	739	99.6%	
Yes	7	0.4%	3	0.4%	
Others					0.206
No	1804	96.9%	726	97.8%	
Yes	57	3.1%	16	2.2%	
Unknown					0.001

No	1737	93.3%	718	96.8%	
Yes	124	6.7%	24	3.2%	

Footnote: The statistical differences between the two institutions were that within the UU cohort, there were more patients with eye pain caused by headache/migraine ($p<0.001$), dry eye/blepharitis ($p=0.015$), and cataract or other anterior segment surgery ($p<0.001$). There were more females in the UU cohort ($p=0.013$), however both institutions had more women present with eye pain than men. In comparison, within the USZ cohort, there were more patients with eye pain caused by hordeolum/chalazion ($p<0.001$) and cellulitis ($p=0.013$). However, the USZ cohort were younger in age ($p<0.0001$)

