

	Location	Frequency of stimulation (Hz)	Delivered current (μA)	Sensation
subj 1	middle turbinate	2	500	EC
subj 1	middle turbinate	90	335	EC
subj 1	middle turbinate	180	340	EC
subj 1	septum dorsum	2	500	EC
subj 1	septum dorsum	90	340	EC
subj 1	septum dorsum	180	400	EC
subj 1	superior turbinate	90	100	EC
subj 1	superior turbinate	180	100	EC
subj 2	middle turbinate	2	220	Tingling at ref
subj 2	middle turbinate	10	200	Tingling at ref
subj 2	middle turbinate	70	210	Tingling at ref
subj 2	middle turbinate	130	200	Tingling at ref
subj 2	middle turbinate	180	200	Tingling at ref
subj 2	olfactory cleft	2	180	EC
subj 2	olfactory cleft	90	60	EC
subj 2	olfactory cleft	180	50	EC
subj 2	superior turbinate	2	420	Tingling at ref
subj 2	superior turbinate	90	200	EC
subj 2	superior turbinate	180	230	EC + pinpricks
subj 3	middle turbinate	2	400	pinpricks
subj 3	middle turbinate	90	120	pinpricks
subj 3	middle turbinate	180	120	pinpricks
subj 3	superior turbinate	2	300	Tingling at ref
subj 3	superior turbinate	90	100	Tingling at ref
subj 3	superior turbinate	180	140	Tingling at ref
subj 4	middle turbinate	2	650	EC
subj 4	middle turbinate	90	530	EC
subj 4	middle turbinate	180	550	EC
subj 4	olfactory cleft	2	50	EC
subj 4	olfactory cleft	90	50	EC
subj 4	olfactory cleft	180	50	EC
subj 4	septum dorsum	2	315	EC
subj 4	septum dorsum	90	230	EC
subj 4	septum dorsum	180	160	EC
subj 5	middle turbinate	2	300	EC
subj 5	middle turbinate	180	360	EC
subj 5	septum dorsum	90	230	Cooling + EC
subj 5	septum dorsum	180	230	EC
subj 5	superior turbinate	2	100	pinpricks
subj 5	superior turbinate	90	100	pinpricks
subj 5	superior turbinate	180	80	pinpricks
subj 6	middle turbinate	2	200	EC
subj 6	olfactory cleft	2	160	EC
subj 6	superior turbinate	2	205	EC
subj 6	superior turbinate	90	100	EC
subj 6	superior turbinate	180	110	EC

	Location	Frequency of stimulation (Hz)	Delivered current (μA)	Sensation
subj 7 (I)	middle turbinate	2	280	Tingling at ref
subj 7 (I)	middle turbinate	10	280	Tingling at ref
subj 7 (I)	middle turbinate	70	240	Tingling at ref
subj 7 (I)	middle turbinate	130	250	Tingling at ref
subj 7 (II)	middle turbinate	burst	620	Tingling at ref
subj 7 (II)	middle turbinate	2	610	Tingling at ref
subj 7 (II)	middle turbinate	10	190	phosphenes
subj 7 (II)	middle turbinate	70	480	Tingling at ref
subj 7 (II)	middle turbinate	180	350	Tingling at ref
subj 8 (I)	middle turbinate	2	360	Tingling at ref
subj 8 (I)	middle turbinate	10	90	phosphenes
subj 8 (I)	middle turbinate	70	300	Tingling at ref
subj 8 (I)	middle turbinate	90	300	Tingling at ref
subj 8 (I)	middle turbinate	130	280	Tingling at ref
subj 8 (II)	middle turbinate	2	400	EC
subj 8 (II)	middle turbinate	10	320	EC
subj 8 (II)	middle turbinate	90	300	EC
subj 8 (II)	middle turbinate	180	300	EC
subj 9 (I)	middle turbinate	2	350	pinpricks
subj 9 (I)	middle turbinate	10	150	phosphenes
subj 9 (I)	middle turbinate	70	250	pinpricks
subj 9 (I)	middle turbinate	90	250	pinpricks
subj 9 (II)	middle turbinate	2	400	EC
subj 9 (II)	middle turbinate	10	150	phosphenes
subj 9 (II)	middle turbinate	70	350	EC
subj 9 (II)	middle turbinate	180	350	EC
subj 10 (I)	middle turbinate	2	500	nan
subj 10 (I)	middle turbinate	10	130	phosphenes
subj 10 (I)	middle turbinate	70	200	Tingling at ref
subj 10 (I)	middle turbinate	90	200	Tingling at ref
subj 10 (II)	middle turbinate	2	550	nan
subj 10 (II)	middle turbinate	10	90	phosphenes
subj 10 (II)	middle turbinate	70	520	nan
subj 10 (II)	middle turbinate	90	520	nan
subj 11 (I)	middle turbinate	2	280	EC
subj 11 (I)	middle turbinate	70	300	EC
subj 11 (I)	middle turbinate	130	230	EC
subj 11 (I)	middle turbinate	180	180	EC
subj 11 (II)	middle turbinate	2	280	Tingling at ref
subj 11 (II)	middle turbinate	10	120	phosphenes
subj 11 (II)	middle turbinate	70	115	Tingling at ref
subj 11 (II)	middle turbinate	180	80	Tingling at ref
subj 12 (I)	middle turbinate	2	400	EC
subj 12 (I)	middle turbinate	10	150	phosphenes
subj 12 (I)	middle turbinate	70	250	EC
subj 12 (I)	middle turbinate	130	250	EC

	Location	Frequency of stimulation (Hz)	Delivered current (μA)	Sensation
subj 12 (II)	middle turbinate	2	500	EC
subj 12 (II)	middle turbinate	10	250	phosphenes
subj 12 (II)	middle turbinate	70	410	EC
subj 12 (II)	middle turbinate	130	410	EC
subj 13 (I)	middle turbinate	10	160	phosphenes
subj 13 (I)	middle turbinate	70	370	EC
subj 13 (I)	middle turbinate	130	360	EC
subj 13 (I)	middle turbinate	180	350	EC
subj 13 (I)	middle turbinate	90	320	EC
subj 13 (II)	middle turbinate	burst	700	nan
subj 13 (II)	middle turbinate	10	135	phosphenes
subj 14 (I)	middle turbinate	burst	780	nan
subj 14 (I)	middle turbinate	10	360	phosphenes
subj 14 (I)	middle turbinate	2	560	EC
subj 14 (I)	middle turbinate	90	640	EC
subj 14 (I)	middle turbinate	130	660	nan
subj 14 (I)	middle turbinate	180	720	EC
subj 14 (II)	middle turbinate	2	400	EC
subj 14 (II)	middle turbinate	10	140	phosphenes
subj 14 (II)	middle turbinate	70	400	EC
subj 15 (I)	middle turbinate	2	300	Tingling at ref
subj 15 (I)	middle turbinate	90	340	Tingling at ref
subj 15 (I)	middle turbinate	180	340	Tingling at ref
subj 15 (II)	middle turbinate	2	300	Tingling at ref
subj 15 (II)	middle turbinate	90	375	Tingling at ref
subj 15 (II)	middle turbinate	180	370	Tingling at ref
subj 16 (I)	middle turbinate	burst	710	nan
subj 16 (I)	middle turbinate	2	700	nan
subj 16 (I)	middle turbinate	10	180	phosphenes
subj 16 (I)	middle turbinate	70	710	nan
subj 16 (I)	middle turbinate	90	720	nan
subj 16 (I)	middle turbinate	130	740	nan
subj 16 (I)	middle turbinate	180	780	nan
subj 16 (II)	middle turbinate	2	680	nan
subj 16 (II)	middle turbinate	10	200	phosphenes
subj 17 (I)	middle turbinate	2	140	Tingling at ref
subj 17 (I)	middle turbinate	70	100	Tingling at ref
subj 17 (I)	middle turbinate	10	55	phosphenes
subj 17 (I)	middle turbinate	90	130	Tingling at ref
subj 17 (I)	middle turbinate	130	125	Tingling at ref
subj 17 (I)	middle turbinate	180	130	Tingling at ref
subj 17 (II)	middle turbinate	2	110	Tingling at ref
subj 17 (II)	middle turbinate	10	90	phosphenes
subj 17 (II)	middle turbinate	70	200	Tingling at ref
subj 17 (II)	middle turbinate	90	220	Tingling at ref

	Location	Frequency of stimulation (Hz)	Delivered current (μA)	Sensation
subj 17 (II)	middle turbinate	130	200	Tingling at ref
subj 17 (II)	middle turbinate	180	180	Tingling at ref
subj 18 (I)	middle turbinate	2	60	Tingling at ref
subj 18 (I)	middle turbinate	10	60	Tingling at ref
subj 18 (I)	middle turbinate	90	90	Tingling at ref
subj 18 (I)	middle turbinate	70	60	Tingling at ref
subj 18 (I)	middle turbinate	130	100	Tingling at ref
subj 18 (I)	middle turbinate	180	70	Tingling at ref
subj 18 (II)	middle turbinate	10	110	phosphenes
subj 18 (II)	middle turbinate	70	160	Tingling at ref
subj 18 (II)	middle turbinate	90	160	Tingling at ref
subj 18 (II)	middle turbinate	130	150	Tingling at ref
subj 18 (II)	middle turbinate	180	150	Tingling at ref
subj 19 (I)	middle turbinate	2	140	EC
subj 19 (I)	middle turbinate	10	150	EC
subj 19 (I)	middle turbinate	70	150	EC
subj 19 (I)	middle turbinate	90	150	EC
subj 19 (I)	middle turbinate	130	160	EC
subj 19 (I)	middle turbinate	180	150	EC
subj 19 (II)	middle turbinate	10	200	phosphenes + EC
subj 19 (II)	middle turbinate	70	200	EC
subj 19 (II)	middle turbinate	90	200	EC
subj 20 (I)	middle turbinate	10	60	phosphenes +EC
subj 20 (I)	middle turbinate	70	80	EC
subj 20 (I)	middle turbinate	130	70	EC
subj 20 (I)	middle turbinate	180	70	EC
subj 20 (II)	middle turbinate	2	140	EC
subj 20 (II)	middle turbinate	10	120	phosphenes
subj 20 (II)	middle turbinate	70	130	EC
subj 20 (II)	middle turbinate	130	130	EC
subj 21	middle turbinate	2	350	EC
subj 21	middle turbinate	10	400	EC
subj 21	middle turbinate	70	400	EC
subj 22	middle turbinate	2	325	Tingling at ref
subj 22	middle turbinate	10	300	Tingling at ref
subj 22	middle turbinate	70	300	Tingling at ref
subj 22	middle turbinate	130	210	Tingling at ref
subj 23	middle turbinate	2	600	pinpricks
subj 23	middle turbinate	10	340	phosphenes
subj 23	middle turbinate	70	250	pinpricks
subj 23	middle turbinate	130	200	pinpricks
subj 24	middle turbinate	burst	400	pinpricks
subj 24	middle turbinate	2	200	pinpricks
subj 25	middle turbinate	90	450	Tingling at ref
subj 25	middle turbinate	130	450	Tingling at ref
subj 25	middle turbinate	180	500	Tingling at ref

	Location	Frequency of stimulation (Hz)	Delivered current (μA)	Sensation
subj 26	middle turbinate	burst	700	Tingling at ref
subj 26	middle turbinate	90	620	Tingling at ref
subj 26	middle turbinate	180	660	Tingling at ref
subj 27	middle turbinate	burst	400	Tingling at ref
subj 27	middle turbinate	2	220	Tingling at ref
subj 27	middle turbinate	70	260	Tingling at ref
subj 27	middle turbinate	90	250	Tingling at ref
subj 27	middle turbinate	130	240	Tingling at ref
subj 27	middle turbinate	180	230	Tingling at ref
subj 28	middle turbinate	70	230	EC
subj 28	middle turbinate	90	220	EC
subj 28	middle turbinate	130	220	EC
subj 28	middle turbinate	180	220	EC
subj 29	middle turbinate	70	620	EC
subj 29	middle turbinate	90	600	EC
subj 29	middle turbinate	130	600	EC
subj 29	middle turbinate	180	600	EC
subj 30	middle turbinate	burst	800	EC
subj 30	middle turbinate	70	400	EC
subj 30	middle turbinate	90	390	EC
subj 30	middle turbinate	130	380	EC
subj 30	middle turbinate	180	380	EC
subj 31	middle turbinate	burst	780	nan
subj 31	middle turbinate	70	600	Tingling at ref
subj 31	middle turbinate	90	600	Tingling at ref
subj 31	middle turbinate	130	610	Tingling at ref
subj 31	middle turbinate	180	600	Tingling at ref
subj 32	middle turbinate	burst	800	nan
subj 32	middle turbinate	2	800	nan
subj 32	middle turbinate	70	800	nan
subj 32	middle turbinate	90	760	Tingling at ref
subj 32	middle turbinate	130	800	nan
subj 32	middle turbinate	180	800	nan
subj 33	middle turbinate	70	420	EC
subj 33	middle turbinate	90	400	EC
subj 33	middle turbinate	130	400	EC
subj 33	middle turbinate	180	400	EC
subj 34	middle turbinate	2	500	phosphenes
subj 34	middle turbinate	10	400	phosphenes
subj 34	middle turbinate	70	480	phosphenes
subj 35	middle turbinate	2	320	EC
subj 35	middle turbinate	70	300	EC
subj 35	middle turbinate	90	300	EC
subj 35	middle turbinate	130	300	EC
subj 36	middle turbinate	burst	500	EC
subj 36	middle turbinate	2	180	EC

	Location	Frequency of stimulation (Hz)	Delivered current (μA)	Sensation
subj 36	middle turbinate	70	160	EC
subj 36	middle turbinate	90	160	EC
subj 36	middle turbinate	130	160	EC
subj 36	middle turbinate	180	155	EC
subj 37	middle turbinate	70	300	EC
subj 37	middle turbinate	90	300	EC
subj 37	middle turbinate	130	300	EC
subj 37	middle turbinate	180	240	EC
subj 38	middle turbinate	2	280	Tingling at ref
subj 38	middle turbinate	70	270	Tingling at ref
subj 38	middle turbinate	180	250	Tingling at ref
subj 39	middle turbinate	2	240	Tingling at ref
subj 39	middle turbinate	70	220	Tingling at ref
subj 39	middle turbinate	180	220	Tingling at ref
subj 40	middle turbinate	2	240	EC
subj 40	middle turbinate	90	240	EC
subj 40	middle turbinate	130	230	EC
subj 40	middle turbinate	180	230	EC
subj 41	middle turbinate	2	590	EC
subj 41	middle turbinate	70	540	EC
subj 41	middle turbinate	90	540	EC
subj 41	middle turbinate	130	540	EC
subj 41	middle turbinate	180	540	EC
subj 42	middle turbinate	2	100	EC
subj 42	middle turbinate	70	90	EC
subj 42	middle turbinate	90	90	EC
subj 43	middle turbinate	2	700	nan
subj 43	middle turbinate	10	450	phosphenes
subj 43	middle turbinate	70	700	nan
subj 44	middle turbinate	2	700	nan
subj 44	middle turbinate	90	720	cooling
subj 45	middle turbinate	2	240	Tingling at ref
subj 45	middle turbinate	10	110	phosphenes
subj 45	middle turbinate	70	200	Tingling at ref
subj 45	middle turbinate	130	150	Tingling at ref
subj 46	middle turbinate	70	410	EC
subj 46	middle turbinate	90	410	EC
subj 46	middle turbinate	130	400	EC
subj 46	middle turbinate	180	400	EC
subj 47	middle turbinate	2	700	nan
subj 47	middle turbinate	10	400	phosphenes
subj 47	middle turbinate	70	700	nan
subj 47	middle turbinate	130	700	nan
subj 48	middle turbinate	burst	710	nan
subj 48	middle turbinate	2	520	pinpricks
subj 48	middle turbinate	10	245	phosphenes

	Location	Frequency of stimulation (Hz)	Delivered current (μA)	Sensation
subj 48	middle turbinate	70	480	pinpricks
subj 48	middle turbinate	90	450	pinpricks
subj 48	middle turbinate	130	450	pinpricks
subj 48	middle turbinate	180	450	pinpricks
subj 49	middle turbinate	2	510	nan
subj 49	middle turbinate	10	260	phosphenes
subj 49	middle turbinate	70	500	nan
subj 49	middle turbinate	90	510	nan
subj 49	middle turbinate	130	540	nan
subj 50	middle turbinate	2	380	Tingling at ref
subj 50	middle turbinate	10	130	phosphenes
subj 50	middle turbinate	70	330	Tingling at ref
subj 50	middle turbinate	90	280	Tingling at ref
subj 50	middle turbinate	130	400	Tingling at ref
subj 50	middle turbinate	180	400	Tingling at ref