**Supplement Table 1** Demographic and neuroophthalmological clinical data of all patients

| Age (y) | M/F | eye | Visual acuity (decimal) | Visual field defect | Funduscopy of optic nerve head (ON) | RNFL reduction in OCT | RAPD | diagnosis |
|---------|-----|-----|-------------------------|---------------------|--------------------------------------|-----------------------|-------|-----------|
| Pre-01  | 67  | M   | L                       | 0.5                 | Inferior scotoma                     | ON temporal pale      | T, S, N | +         | AION; OSAS |
| Pre-02  | 61  | M   | R                       | 0.8                 | Inferior > superior scotoma          | ON pale               | TS > T, I | +         | AION; Snoring (OSAS checkup not known) |
| Pre-03  | 69  | M   | R/L                     | 0.8/0.5             | R inferior > superior nasal scotoma; L inferior scotoma | ON pale/ON pale | R S, N, T; L S, T | L * | AION R/L; OSAS |
| Pre-04  | 58  | M   | R                       | 1.0                 | Inferior scotoma                     | ON nasal-superior pale | S, N | +         | AION |
| Pre-05  | 75  | M   | L                       | 0.8                 | Inferior scotoma                     | ON superior pale      | S       | +         | AION; cardiovascular risks |
| Pre-06  | 89  | F   | R                       | 0.25                | Superior scotoma                     | ON temporal pale      | T, TS, TI | -         | AION R/L; OSAS |
| Pre-07  | 37  | M   | R                       | 1.0                 | Superior scotoma                     | ON partially pale     | TI, TS > T | n.k.      | AION; OSAS |
| Pre-08  | 55  | M   | R                       | 0.25                | Inferior and superior scotoma        | ON pale               | Complete | -         | AION R/L; (OSAS checkup n. k.) |
| Pre-09  | 69  | M   | R/L                     | 1.0/0.16            | Inferior scotoma L>R                 | R ON swollen; L ON temporal pale | R swollen; L T, TI, TS > N, NS | L+ | AION R/L; OSAS |
| Pre-10  | 65  | M   | L                       | 0.125               | L inferior and superior scotoma      | L ON pale             | L complete | L+        | AION R/L; OSAS |
| Chia-01 | 66  | M   | R/L                     | 0.5/0.8             | Bitemporal hemianopia                 | R/L ON temporal pale  | R N; L complete | -         | pituitary macroadenoma; resection 2014 |
| Chia-02 | 78  | M   | R                       | 0.63                | Temporal hemianopia (L amaurosis)     | ON pale               | complete | L+        | pituitary macroadenoma; resection 1990, 1997, 2010, 2012 |
| Chia-03 | 37  | F   | R                       | 1.6                 | Temporal hemianopia                   | ON temporal pale,     | complete | L+        | ruptured suprasellar dermoid cyst; resection 2012 |
| Chia-04 | 31  | F   | L                       | 1.25                | Nasal incomplete hemianopia           | ON temporal pale      | T, TS, TI > N, NS | L+ | bleeding cavernoma left (prechiasma); resection 04/2019 |
| Chia-05 | 43  | M   | L                       | 0.25                | Bitemporal incomplete hemianopia      | ON temporal slightly pale | complete | L+        | pituitary macroadenoma; resection 08/2019 |
| Chia-06 | 59  | F   | R/L                     | 0.8/0.5             | Bitemporal hemianopia; R additionally defects nasal superior | R/L ON pale | R/L complete (R N, NS > I > T, TS; L T, N > S, I) | L+ | pituitary macroadenoma; resection 2010 |
| Post | Age | Sex | Eye | VA | Diagnosis |
|------|-----|-----|-----|----|-----------|
| 01   | 84  | M   | R/L | 0.63/1.0 | Right homonymous hemianopia |
| 02   | 54  | M   | R/L | 1.6/1.25 | Right homonymous hemianopia |
| 03   | 68  | F   | R/L | 0.8/1.0 | Left homonymous hemianopia |
| 04   | 33  | F   | R/L | 1.25/1.0 | Left inferior homonymous quadranopia |
| 05   | 58  | M   | R/L | 1.0/1.0 | Left homonymous incomplete hemianopia |
| 06   | 52  | M   | R/L | 1.0/1.0 | Left homonymous hemianopia |
| 07   | 40  | M   | R/L | 1.0/1.0 | Right homonymous hemianopia |
| 08   | 66  | M   | R/L | 0.5/0.8 | Left homonymous hemianopia |
| 09   | 47  | M   | R   | 1.0   | Right and left upper quadrantanopia |
| 10   | 63  | M   | L   | 1.0   | Left hemianopia |
| 11   | 54  | M   | R/L | 1.0/1.0 | Right homonymous incomplete hemianopia |
| 12   | 80  | M   | R/L | 0.8/0.8 | Right homonymous hemianopia |

M = male; F = Female; R = right eye; L = left eye; ON = optic nerve head; RNFL = retinal nerve fiber layer; OCT = optical coherence tomography; RAPD = relative afferent pupil defect; AION = anterior ischemic optic neuropathy; OSAS = obstructive sleep apnea syndrome; n.k. = not known

*Presumably tractus lesions