## **Supplemental Table e1: Detailed clinical information**

|                                                                                | 1                                                                         | 1                                                                                                                        |                                                                                       | 1                                                                                                                                                                                                      | Ĭ.                                                                                                       |                                                                                                          | _                                                                                     |                                                             | 1                                     |
|--------------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------|---------------------------------------|
| A                                                                              | II.1                                                                      | II.2                                                                                                                     | II.3                                                                                  | III.3                                                                                                                                                                                                  | III.4                                                                                                    | III.5                                                                                                    | III.6                                                                                 | III.7                                                       | III.11                                |
| Age at first symptom                                                           | 69y                                                                       | 59y                                                                                                                      | around 60y                                                                            | 52y                                                                                                                                                                                                    | -                                                                                                        | -                                                                                                        | 39y                                                                                   | 36y                                                         | around 60y                            |
| First symptom                                                                  | Stroke                                                                    | Stroke                                                                                                                   | Ortostatic hypotension, and urine incontinence                                        | Stroke                                                                                                                                                                                                 | Asymptomatic                                                                                             | Asymptomatic                                                                                             | Symptomatic orthostatic hypotension                                                   | Sleeping problems,<br>panic attacks,<br>diagnosed with ADHD | Balance instabilty                    |
| Age at first stroke<br>episode<br>Clinical symptoms at<br>first stroke episode | Left facial, arm and leg palsy                                            | 59y<br>Left arm and leg palsy                                                                                            | No clinically manifest stroke                                                         | 52y<br>Hemisensory loss right<br>face, arm, leg                                                                                                                                                        | No clinically manifest stroke                                                                            | No clinically manifest stroke                                                                            | No clinically manifest stroke                                                         | No clinically manifest stroke                               | No clinically manifest stroke         |
| Age at MRI/CT                                                                  | CT 71y                                                                    | CT 59y                                                                                                                   | 76y                                                                                   | CT 59y                                                                                                                                                                                                 | 57y                                                                                                      | -                                                                                                        | 53y                                                                                   | CT 44y                                                      | 66y                                   |
| Images illustrating<br>white matter<br>hyperintensities                        | Images not retrieved,<br>but radiology reports<br>available.              | Images not retrieved,<br>but radiology reports<br>available.                                                             |                                                                                       | $\bigcirc$                                                                                                                                                                                             |                                                                                                          |                                                                                                          |                                                                                       | CT normal at age 44                                         |                                       |
| White matter changes on radiology                                              | Yes                                                                       | Yes                                                                                                                      | Yes                                                                                   | Yes                                                                                                                                                                                                    | Yes                                                                                                      | N/D                                                                                                      | Yes                                                                                   | No                                                          | Yes                                   |
| Age at MRI/CT:                                                                 |                                                                           |                                                                                                                          |                                                                                       |                                                                                                                                                                                                        | 57y                                                                                                      |                                                                                                          | 54y                                                                                   |                                                             | 57y                                   |
| Basal ganglia calcifications                                                   |                                                                           |                                                                                                                          |                                                                                       |                                                                                                                                                                                                        | £ 4 8 3                                                                                                  |                                                                                                          | 有深入                                                                                   |                                                             | THE STATE OF                          |
| Age at MRI/CT<br>Lacunar infarcts/ICH                                          |                                                                           |                                                                                                                          | 76y                                                                                   | 47y                                                                                                                                                                                                    |                                                                                                          |                                                                                                          |                                                                                       |                                                             |                                       |
|                                                                                |                                                                           |                                                                                                                          |                                                                                       | Ů.                                                                                                                                                                                                     |                                                                                                          |                                                                                                          |                                                                                       |                                                             |                                       |
| Lacunar infarcts/ICH                                                           | Yes (acc to radiology                                                     | Yes (acc to radiology                                                                                                    | Yes (lacunes)                                                                         | Yes. Also lacunes at                                                                                                                                                                                   | No                                                                                                       |                                                                                                          | No                                                                                    | No                                                          | No                                    |
| Movement disorders                                                             | reports)<br>ND                                                            | reports) Gait disturbance, ataxia                                                                                        | Cerebellar                                                                            | autopsy (died 53y). Tremor considered                                                                                                                                                                  | Mild cerebellar signs                                                                                    | ND                                                                                                       | Mild positional hand                                                                  | Bilateral postural tremor                                   | Gait disturbance                      |
|                                                                                |                                                                           | cc to medical records.                                                                                                   | tremor/Dyscoordination,<br>irregular horisontal eye<br>movements on smooth<br>pursuit | related to abstinence                                                                                                                                                                                  | (left>right hand<br>dysmetria and<br>dysdiadochokinesis,<br>instability with tandem<br>gait). No tremor. |                                                                                                          | tremor.                                                                               | in arms and legs                                            | Sait distalbance                      |
| Cognitive<br>dysfunction<br>/depression                                        | ND                                                                        | Severe depression                                                                                                        | Cognitive dysfunction                                                                 | Severe depression, ECT<br>treated. Short memory<br>problems, difficulty<br>concentrating                                                                                                               | Cognitive dysfunction                                                                                    | ND                                                                                                       | Depression, sleeping problems                                                         | Anxiety, sleep problems                                     | Cognitive dysfunction                 |
| MoCA/MMSE/<br>progression                                                      | ND                                                                        | ND                                                                                                                       | MMSE 23/30                                                                            | ND                                                                                                                                                                                                     | MoCA 22/30                                                                                               | ND                                                                                                       | MoCA 21/30                                                                            | MoCA 26/30                                                  | MoCA 24/30 (65y);<br>MoCA 22/30 (66y) |
| Clinical status<br>MAP3K6 c.322G>A                                             | Undetermined Obligate carrier                                             | Undetermined Obligate carrier                                                                                            | Affected Obligate carrier                                                             | Affected<br>Not tested                                                                                                                                                                                 | Affected<br>MUT/wt                                                                                       | Undetermined<br>wt/wt                                                                                    | Affected<br>MUT/wt                                                                    | Undetermined<br>MUT/wt                                      | Affected<br>MUT/wt                    |
| genotype<br>Vascular risk factors                                              | Mlx2, Ap, Obe, episodes of VT, claudicatio                                | Smo, Ob, AF, dilated<br>CMY, Dm, DVT                                                                                     | Smo                                                                                   | Smo, alcohol. Mild HT.<br>MI at autopsy.                                                                                                                                                               | None                                                                                                     | Smo, Ap, Obe, sleep apneea                                                                               | AF                                                                                    | AF                                                          | none                                  |
| Migraine                                                                       | No                                                                        | No                                                                                                                       | No                                                                                    | ND                                                                                                                                                                                                     | No                                                                                                       | No                                                                                                       | No                                                                                    | No                                                          | migraine                              |
| ANS dysfunction<br>Other clinical                                              | Not known<br>Rectal cancer. Gastric                                       | Syncope, OH Peptic ulcer.                                                                                                | Syncope, OH<br>Kidney malformation                                                    | ND<br>Gastric and duodenal                                                                                                                                                                             | Syncope, OH<br>Leiomyoma                                                                                 | -<br>Hiatus hemia, colonic                                                                               | OH (diagnosed at age 39                                                               | OH episodes (47y-49y) Disc herniation,                      | ND<br>Back pain                       |
| information                                                                    | ulcer.                                                                    | г орно шовг.                                                                                                             | reality mailornation                                                                  | ulcers since 25y. Anthracosis at autopsy.                                                                                                                                                              | coonyotta                                                                                                | diverticulitis, back pain.                                                                               |                                                                                       | operated at age 34yr.                                       | Davis pail!                           |
| Large vessel examinations                                                      | ND                                                                        | ND. At stroke episode<br>normal findings in CSF.                                                                         | ND                                                                                    | Cran CTA: normal.                                                                                                                                                                                      | ND                                                                                                       | Cor angio (54y):<br>moderate<br>atheromatosis. CTA<br>aorta (56y): normal.<br>Cran CTA not<br>performed. | Cor angio (50y): no<br>stenoses. CTA aorta<br>(50y) normal. Cran CTA<br>(54y) normal. | ND                                                          | ND                                    |
| Cardiological<br>examinations                                                  | ECGs: sinus rhythm,<br>2nd degree<br>atrioventricular block,<br>acute MI. | TTE: moderate LVH,<br>hyopkinesia, secondary<br>mitral valve failure. ECG<br>at stroke-episode:<br>normal, sinus rhythm. | ECG: sinus rhythm, normal.                                                            | ECG: sinus rhythm.<br>Normal/max. normal BP.<br>No TTE/TEE.                                                                                                                                            | ECG x6 (56y to 60y):<br>normal. No TTE.                                                                  | TTE (at 54y): normal, execpt diastolic relaxation dysfunction. ECG: normal (x11, between 51-58y)         | TTEx7 (50y-57y):<br>always normal function;<br>ECG: AF since 50y                      | TTE at 45y normal. ECG<br>47y: paroxysmal AF                | ECG: sinus rhythm, normal.            |
| Post mortem examination                                                        |                                                                           |                                                                                                                          |                                                                                       | Died at 53y from sudden cardiac arrest. Severe coronary arteriosclerosis and fresh thrombus in right coronary vessel. LVH. Lacunar infarcts in brain, at macroscopic examination. No tissue available. |                                                                                                          |                                                                                                          |                                                                                       |                                                             |                                       |

## **Supplemental Table e1(ctd.)**

|                                            | III.16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | III.17                                                                                                                   | III.18                                                     | III.19                                                                                                                                                | III.20                                                                                                                        | III.22                                                                | III.23                                                                                | III.24                                                                                                                |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Age at first symptom                       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 48y                                                                                                                      | 40y                                                        | 52y                                                                                                                                                   | 58y                                                                                                                           | 47y                                                                   | 53 y                                                                                  | -                                                                                                                     |
| First symptom                              | Asymptomatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Hand tremor                                                                                                              | Hand tremor                                                | Subjective short-term                                                                                                                                 | Short-term memory loss;                                                                                                       | Severe depression                                                     | Stroke                                                                                | (Acute traumatic SHD a                                                                                                |
| riist symptom                              | Asymptomatic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | nanu uemoi                                                                                                               | nand denior                                                | memory loss, hand<br>tremor                                                                                                                           | inability to use telephone and computer                                                                                       | Severe depression                                                     | Stoke                                                                                 | age 53y)                                                                                                              |
| Age at first stroke                        | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 62y                                                                                                                      | -                                                          | -                                                                                                                                                     | 63y                                                                                                                           | -                                                                     | 53y                                                                                   | 53y                                                                                                                   |
| episode                                    | Nie - Palas II Ifa at                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Formation and and                                                                                                        | No allaladi ancesitad                                      | No alle all consultant                                                                                                                                | Modfor boots are                                                                                                              | No Patrollo accomitant                                                | Left and and language.                                                                | D W CDII                                                                                                              |
| Clinical symptoms at first stroke episode  | No clinically manifest stroke                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Expressive aphasia.<br>Lethal cerebellar<br>hemorrhage.                                                                  | No clinically manifest stroke                              | No clinically manifest stroke                                                                                                                         | Vertigo, hemisensory<br>loss right arm and leg;<br>motor weakness right<br>arm and leg.                                       | No clinically manifest stroke                                         | Left arm and leg palsy<br>and hemisensory loss,<br>dysarthria, visual<br>hemileglect. | Posttraumatic SDH,<br>hemiplegia, seizure.                                                                            |
| Age at MRI/CT                              | CT at 49y (headache episode)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 56y                                                                                                                      | 57y                                                        | 61y                                                                                                                                                   | 64y                                                                                                                           | 58y                                                                   | CT 53y                                                                                | 60y                                                                                                                   |
| Images illustrating white matter           | AND DESCRIPTION OF THE PERSON | ( S. S. A.                                                                                                               | 4572 570                                                   | A COLOR                                                                                                                                               | abea                                                                                                                          | 1.50.50                                                               | ALC: NO.                                                                              |                                                                                                                       |
| hyperintensities                           | ()                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                          |                                                            |                                                                                                                                                       |                                                                                                                               | (*)                                                                   |                                                                                       | ( )                                                                                                                   |
| White matter changes on radiology          | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes                                                                                                                      | Yes                                                        | Yes                                                                                                                                                   | Yes                                                                                                                           | Yes                                                                   | No                                                                                    | No                                                                                                                    |
| Age at MRT/CT:                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                          |                                                            |                                                                                                                                                       |                                                                                                                               |                                                                       |                                                                                       |                                                                                                                       |
| Basal ganglia calcifications               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                          |                                                            |                                                                                                                                                       |                                                                                                                               |                                                                       |                                                                                       |                                                                                                                       |
| Age at MRT/CT                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 61y                                                                                                                      | 57y                                                        | 60y                                                                                                                                                   | 64y                                                                                                                           |                                                                       |                                                                                       |                                                                                                                       |
| Lacunar infarcts/ICH                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                          | Y                                                          | T.                                                                                                                                                    |                                                                                                                               |                                                                       | No lacunes. Territorial infarct due to LAA.                                           |                                                                                                                       |
| Lacunar infarcts/ICH                       | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Yes (lacunes and ICH)                                                                                                    | Yes (lacunes)                                              | Yes (lacunes)                                                                                                                                         | Yes (lacunes and ICH)                                                                                                         | No                                                                    | No, LAA                                                                               | No                                                                                                                    |
| Movement disorders                         | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cerebellar tremor.<br>Bilateral dystaxia,<br>atactic gait. Hypokinesia<br>of hand movements.                             | Cerebellar tremor,<br>saccadic horisontal eye<br>movements | Cerebellar tremor, mild<br>dystaxia and balance<br>impairment. Mild rigidity.                                                                         | Cerebellar tremor, mild<br>dystaxia and balance<br>impairment.<br>Hypo/bradykinesia of<br>hand movements.                     | Tremor,<br>dyscoordination,<br>hypokinesia                            | ND                                                                                    | No cerebellar signs. Left femispasticity.                                                                             |
| Cognitive<br>dysfunction<br>/depression    | Normal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Cognitive dysfunction, severe depression                                                                                 | Cognitive dysfunction                                      | Subjective cognitive dysfunction                                                                                                                      | Subjective cognitive dysfunction                                                                                              | Depression                                                            | Normal                                                                                | Non-progressive cognitive dysfunction. Depression.                                                                    |
| MoCA/MMSE/<br>progression                  | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | No                                                                                                                       | No                                                         | MoCA 26/30, subjective decline                                                                                                                        | MoCA 26/30                                                                                                                    | MoCA28/30                                                             | No                                                                                    | Deficit after ICH. No<br>worsening between 53y-<br>58y; MoCA 27/30                                                    |
| Clinical status                            | Unaffected                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Affected                                                                                                                 | Affected                                                   | Affected                                                                                                                                              | Affected                                                                                                                      | Affected                                                              | Unaffected                                                                            | Unaffected                                                                                                            |
| MAP3K6 c.322G>A                            | Not tested                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | MUT/wt                                                                                                                   | MUT/wt                                                     | MUT/wt                                                                                                                                                | MUT/wt                                                                                                                        | MUT/wt                                                                | wt/wt                                                                                 | wt/wt                                                                                                                 |
| genotype<br>Vascular risk factors          | HT. LVH, cardiac<br>failure, asystolia<br>episode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Smo, AF                                                                                                                  | alcohol<br>overconsumption                                 | Ap, previous Smo                                                                                                                                      | HT, AF                                                                                                                        | HT, previous Smo                                                      | Previous Smo, Obe,<br>hyperch, DVT                                                    | Smo                                                                                                                   |
| Migraine                                   | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                                                                                                       | No                                                         | No                                                                                                                                                    | migraine                                                                                                                      | migraine                                                              | No                                                                                    | migraine                                                                                                              |
| ANS dysfunction Other clinical information | No<br>COLD, after silithium<br>inhalation, lung-<br>transplant.Back pain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Syncope, OH Peptic ulcer, short stature (160cm)                                                                          | ND<br>Short stature; choroidal<br>nevus.                   | ND<br>Epigastralgia, prostate<br>cancer.                                                                                                              | Syncope, OH episodes Gastrocele. Kidney operated (cause ND). Unilateral congenital sensorineural hearing loss. Short stature. | OH<br>Acute myeloid leukemia<br>(ay 60y). Psoriasis.                  | No<br>Spastic hemiparesis<br>since birth                                              | No<br>Situs inversus,<br>cholelithiasis.                                                                              |
| Large vessel examinations?                 | ND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cran CTA (62y):<br>atherosclerotic deposits,<br>occlusion left a.<br>vertebralis (at ICH). No<br>vascular malformations. | ND                                                         | Cor CTA: normal.<br>Carotid duplex (61y):<br>normal. CTA aorta:<br>known left iliaca<br>communis occlusion.                                           | Carotid duplex: normal.                                                                                                       | ND                                                                    | Cran CTA: occlusion right ICA                                                         | Conventional<br>angiography of<br>supraaortic truncs and<br>intracerebral vessels:<br>normal, no AV-fistula or<br>MAV |
| Cardiological<br>examinations              | ECG: sinus<br>tachycardia on some<br>registrations.<br>Intermittent cardiac<br>failure. TTE: LVH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | LVH, EF 50%. ECG:<br>normal                                                                                              | ECG (at 58y): normal                                       | MRI heart (at 65y):<br>anteroseptal fibrous<br>string. ECG: normal.<br>TTE (most recent at<br>65y): normal execept<br>mild ventricular<br>hypertrophy | ECG: AF                                                                                                                       | ECGx12 (37y to 61y):<br>normal. TTE (60y):<br>normal except mild LVH. | ECG: normal. TTE: not done                                                            | ECG registration:<br>normal. No TTE.                                                                                  |
| Post mortem                                | Yes, but brain was not                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Yes. Reported in main                                                                                                    | 1                                                          | <u> </u>                                                                                                                                              | ]                                                                                                                             |                                                                       | <u> </u>                                                                              | 1                                                                                                                     |