A 52 YEAR-OLD RIGHT-HANDED MAN, from South India, presented with left hemiparesis of one day duration. He had vascular risk factors such as hypertension, ethanol consumption and cigarette smoking. There was no family history of left handedness. Neurologically, he demonstrated left faciobrachial (muscle power: grade 0–1/5), crural weakness (grade 3–4/5), global aphasia, left hemisensory impairment and left hemianopsia, with a National Institute of Health (NIH) Stroke Scale score of 19. The cardiac evaluation did not disclose valvular lesion/vegetation, mural thrombus, or significant ischaemic lesion. The computed tomography (CT) scan of his brain [Figure 1A] showed recent infarction in the distribution of the right middle cerebral artery, but there were no additional left hemispheric infarcts (also confirmed subsequently.
by a diffusion weighted magnetic resonance imaging scan. As he presented beyond the time window for thrombolytic therapy, he was treated with an antiplatelet drug, statins, antihypertensive medication, speech therapy and physiotherapy. A repeat computed tomography CT brain scan [Figure 1B], performed 7 months later, demonstrated a chronic infarction in the same location with no additional left hemispheric lesion. Although his left hemiparesis had significantly improved (arm power: grade 3–4/5), his global aphasia continued to pose a significant problem for verbal communication over the subsequent years.

Crossed aphasia (CA) refers to a language (symbolic communication with words) disorder resulting from a unilateral right hemispheric lesion in dextrals (right-handers).\(^1\)\(^-\)\(^3\) CA is rare with an estimated prevalence of 0.4–3.5% of all aphasic syndromes.\(^2\) In right handers, language function is often lateralised to the left hemisphere. Atypical cerebral dominance for language in our patient accounted for the right hemispheric stroke-related aphasia that was persistent and functionally disabling. The pattern of his clinical course suggested complete lateralisation of language to his right hemisphere. Apart from ischaemic strokes, other aetiologies include aneurysmal subarachnoid haemorrhage, multiple sclerosis, direct cortical stimulation, migraine with aura and focal dementia.\(^4\)\(^-\)\(^8\)

**References**

1. Alexander MP, Fischette MR, Fischer RS. Crossed aphasias can be mirror image or anomalous. Case reports, review and hypothesis. Brain 1989; 112:953–73.