

Table 1. Clinical features of stroke patients

| Patient No. | Age/ Sex | Location of HZ | Side of Stroke | Interval | Age of Varicella | Presenting Symptoms | Reference No. |
|-------------|----------|----------------|----------------|----------|--------------------------|---------------------------------------|---------------|
| 1 | 4.6/F | L HZO | L | 6 wk | NR | R hemiplegia, facial palsy | 13 |
| 2 | 4.6/F | L HZO | L | 7 wk | 3.5 wk | R hemiplegia, aphasia | 14 |
| 3 | 14/F | R HZO | R | 2 mo | 6 yr | L hemidystonia | 15 |
| 4 | 7/M | L HZO | L | 6 mo | NR | R hemiplegia, dysphasia, facial palsy | 16 |
| 5 | 12/F | R HZO | R | 9 mo | 14 mo | L hemiparesis, R facial palsy | 17 |
| 6 | 12/F | R HZO | R | 10 mo | 14 mo | L Hemiparesis | 18 |
| 7 | 1.4/M | L HZO | L | 4 wk | intrauterine at 8 months | R hemiparesis, aphasia | 19 |
| 8 | 2.5/F | R Scalp | R | 2 yr | intrauterine at 8 months | L hemiparesis | 30 |

Abbreviations: F = female, HZO = Herpes zoster ophthalmicus, L = left, M = male, mo = months, NR = not reported, R = right, wk = weeks, yr = years

Table 2. Laboratory data and treatment

| No. | CT | MRI | CA or MRA | CSF Analysis | Treatment | Reference No. |
|-----|--|--|--|--------------------------------|--|---------------|
| 1 | L BG and peripheral parietal lobe | L putamen, globus pallidus, insular region, frontal area, parietal area | Stenosis of L MCA | Leukocytosis | Aspirin | 13 |
| 2 | L genu of IC | L intermediate mass, posterior half of frontal cortex, L parietal cortex | NR | Leukocytosis | Acyclovir, Prednisone | 14 |
| 3 | R LN | R putamen, head of CN | Stenosis of R carotid siphon, proximal MCA and ACA | Normal | Aspirin, levodopa, trihexyphenidyl, baclofen | 15 |
| 4 | NR | Arteriogram | Stenosis of L MCA and ACA | Normal | NR | 16 |
| 5 | R BG | R putamen, superior caudate head and body | Beaded contour of R MCA | Leukocytosis, VZV DNA Positive | NR | 17 |
| 6 | R putamen and caudate | R putamen, body and superior head of caudate | Beaded contour of R MCA | Leukocytosis | Aspirin | 18 |
| 7 | L genu of IC, head of CN, CR | Arteriogram | Occlusion of lenticulostriate arteries | Leukocytosis | NR | 19 |
| 8 | R cerebral atrophy, cystic encephalomalacia in R parietal-occipital lobe | Ischemic changes in R hemisphere | R Cerebral hemisphere small-vessel vasculopathy | VZV DNA Positive | Acyclovir, Valaciclovir, Aspirin | 30 |

Abbreviations: ACA = Anterior Cerebral Artery, BG = Basal Ganglia, CA = carotid angiography, CN = Caudate Nucleus, CR = Corona Radiata, CT = computed tomogram, IC = Internal Capsule, L = left, LN = Lenticular Nucleus, MCA = Middle Cerebral Artery, MRI = magnetic resonance imaging, NR = Not reported, R = right, VZV = Varicella Zoster Virus

Table 3. Neurological Sequelae of Fetal Infection with Varicella Zoster Virus

A. Damage to sensory nerves

Cutaneous manifestations

Zig-zag (cicatricial) skin lesions

Hypopigmentation

B. Damage to optic stalk, optic cup, and lens vesicles

Microphthalmia

Cataracts

Chorioretinitis

Optic atrophy

C. Damage to cervical and lumbosacral cord

Hypoplasia of upper/lower extremities

Motor/sensory deficits

Absent deep tendon reflexes

Anisocoria/Horner's syndrome

Anal/vesical sphincter dysfunction

D. Damage to Brain

Encephalitis

Microcephaly

Hydrocephaly

Stroke
