### Stroke



### 최 강 호

전남대학교병원 신경과

### Kang-Ho Choi, MD, PhD

Department of Neurology, Chonnam National University Hospital

### Case-Based Learning: Stroke



### Case #1

- Evaluation and treatment of embolic stroke with undetermined source
- Case #2
  - Evaluation and treatment for patients with antiphospholipid antibody syndrome
- Case #3
  - Perfusion Imaging based thrombolysis and mechanical thrombectomy

### Case Presentation #1

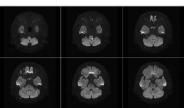


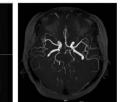
- = 53세 여자 환자
- 갑자기 발생한 어지럼증으로 타원 내원함.
- 입원 치료 5일 째 갑자기 발생한 언어 장애, 우측 근력 저하로 전원.
- She had no history of hypertension, diabetes, or cancer
- N/E
  - Right hemiparesis Grade II
  - Global aphasia
  - Right facial palsy
  - NIHSS score 17

### Casa Procentation #1



### Brain MRI/A (initial)



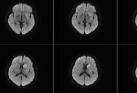


- Acute infarction in left lateral medullary.
- No significant steno-occlusive lesion or aneurysm.

### Casa Procentation #1



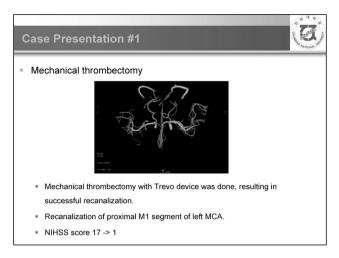
Brain MRI/A (HD #5)

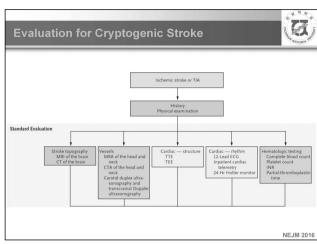


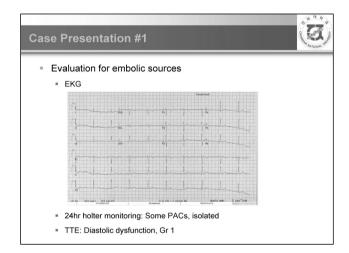


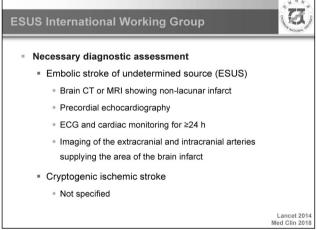


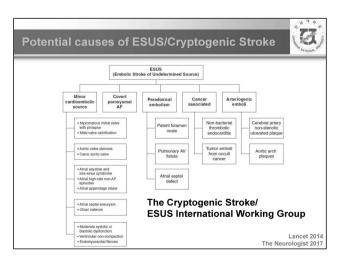
- Newly seen, acute infarction in left basal ganglia.
- Occlusion of mid-M1 segment of left MCA.

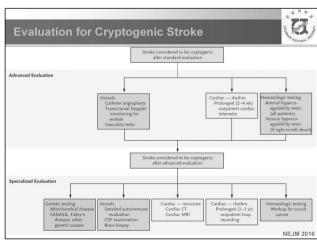


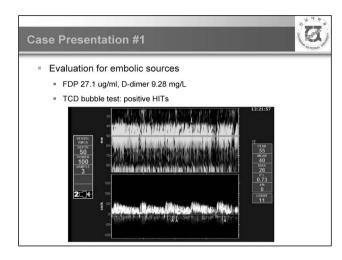


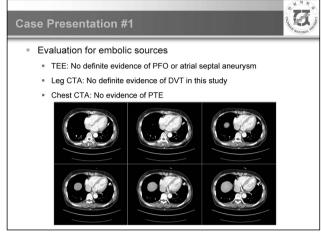




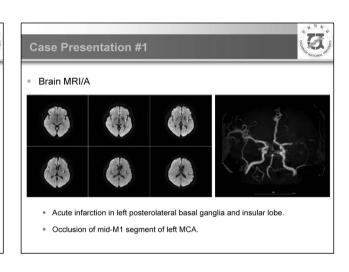


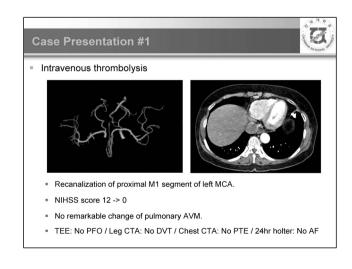


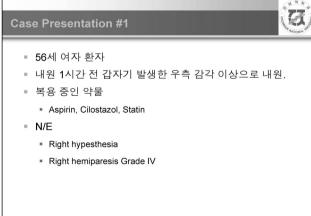


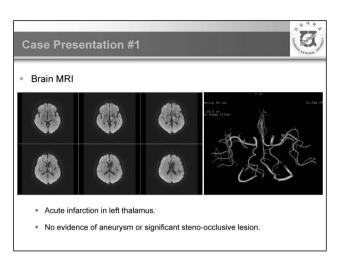


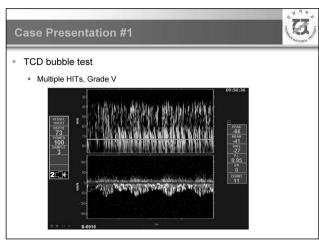
### 

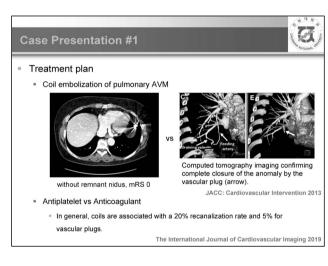


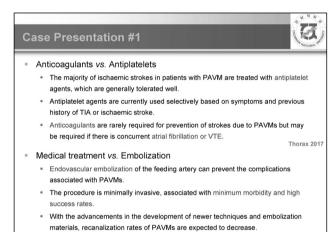












### Case #1 Evaluation and treatment of embolic stroke with undetermined source Case #2 Evaluation and treatment for patients with antiphospholipid antibody syndrome

Perfusion Imaging based thrombolysis and mechanical

## Case Presentation #2 = 54세 남자 환자 = 1시간 반 전 갑자기 발생한 오른쪽 근력 저하로 내원함 = 과거력: 고혈압 (+), S-ICH (7년 전), 당뇨 (-), 고지혈증 (-), 종양 (-) = N/E = Right hemiparesis Grade IV = Dysarthria = Right facial palsy > NIHSS score 4

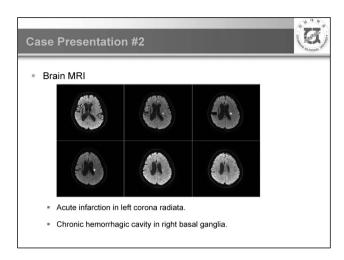
Acute treatment

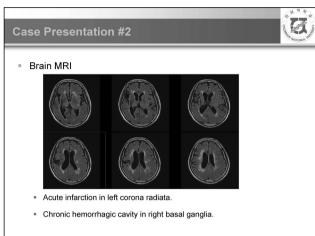
Contraindication for rTPA

The International Journal of Cardiovascular Imaging 2019

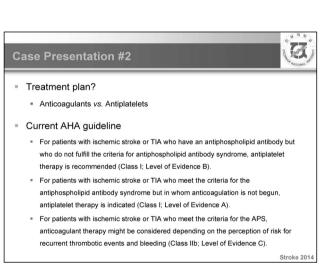
Case #3

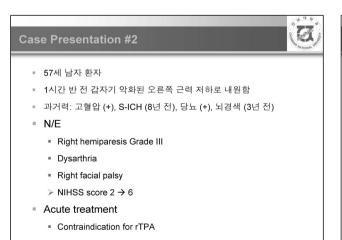
thrombectomy

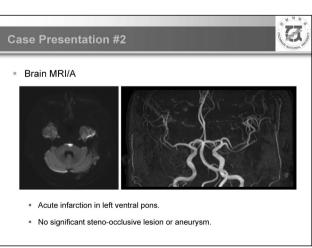


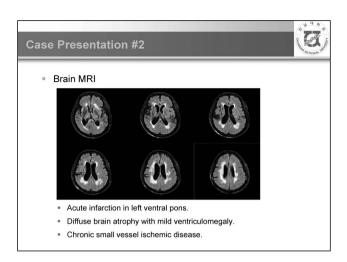


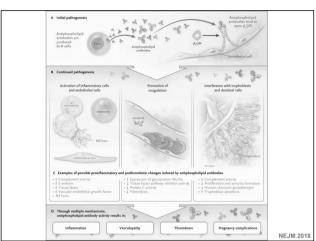
# Evaluation for risk factors Anti cardiolipin Ab: Positive(47.7) GPL-U/mL Anti Phospholipid Ab: Positive(41.6) GPL-IU/mL B2-glycoprotein-1 IgG: Positive(43.2) U/mL Hb A1c 8.6 % Follow up after 12 weeks Anti cardiolipin Ab: Positive(44.2) GPL-U/mL Anti Phospholipid Ab: Positive(43.7) GPL-IU/mL B2-glycoprotein-1 IgG: Positive(42.5) U/mL

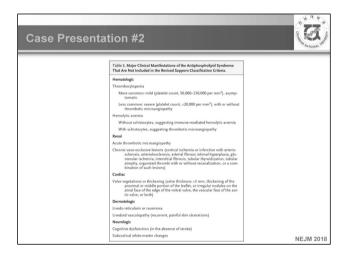


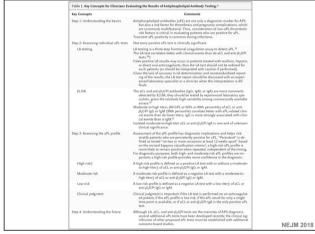


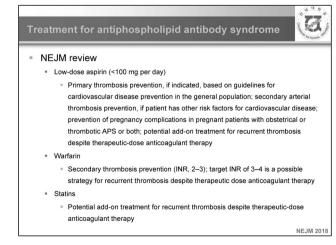


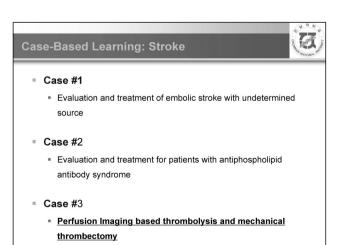








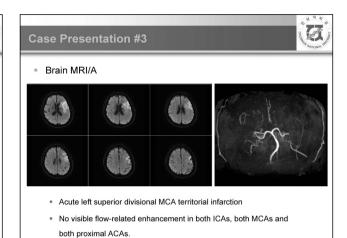


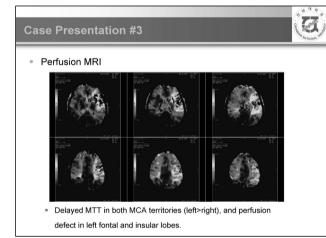


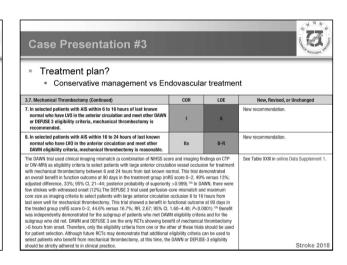
### **Case Presentation #3**

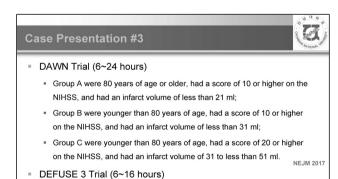


- 71세 남자 환자
- 8시간 전 갑자기 발생한 오른쪽 근력 저하 및 언어 장애로 내원함
- 과거력: 고혈압 (+), 당뇨 (+), 고지혈증 (-), 종양 (-)
- N/E
  - Right hemiparesis Grade III
  - Global aphasia
  - Right facial palsy
  - > NIHSS score 12
- Acute treatment
  - Contraindication for rTPA









Patients were eligible if they had an initial infarct volume (ischemic core) of less than 70 ml, a ratio of volume of ischemic tissue to initial infarct volume of 1.8 or more, and an absolute volume of potentially reversible

ischemia (penumbra) of 15 ml or more.

NEJM 2018

