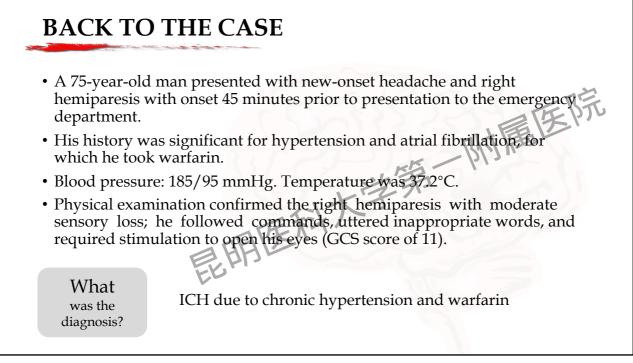
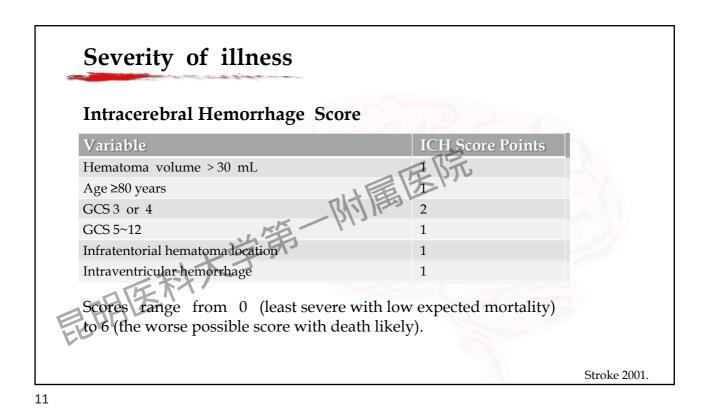


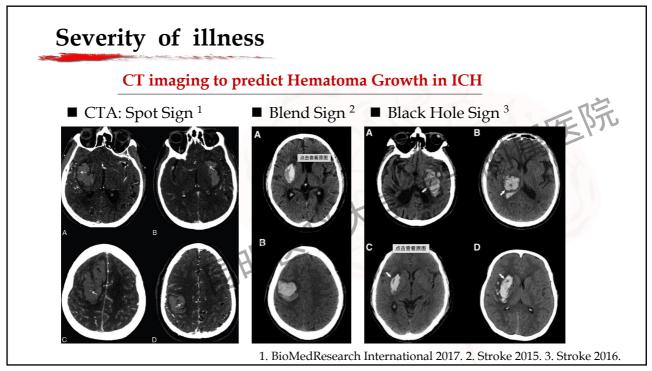
Etiology

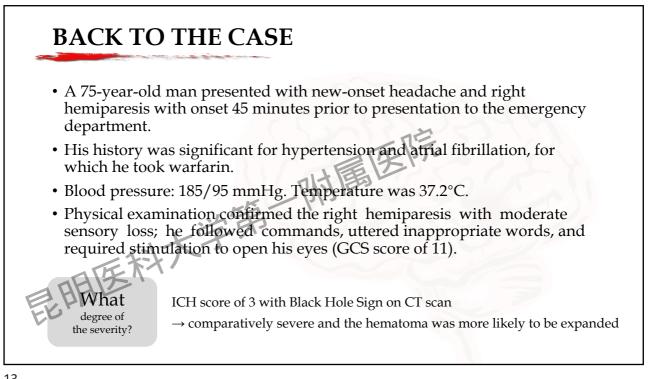
- ICH in younger populations is more likely due to chronic hypertension, and the hematoma is more likely to be in the basal ganglia or brainstem
- ICH in older populations is more likely to be lobar, which meet criteria for probable cerebral amyloid angiopathy (age at least 55 years, appropriate clinical history, evidence of multiple cerebral hemorrhages on MRI)

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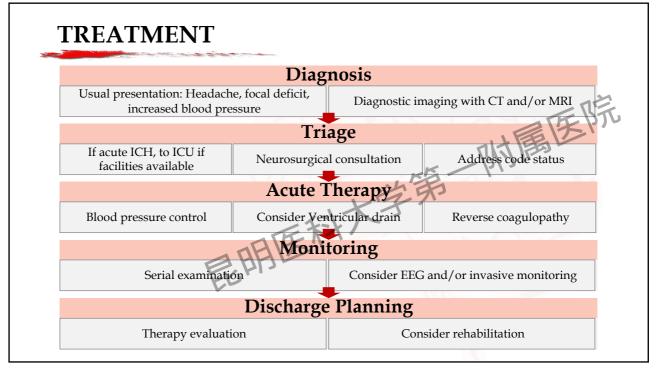








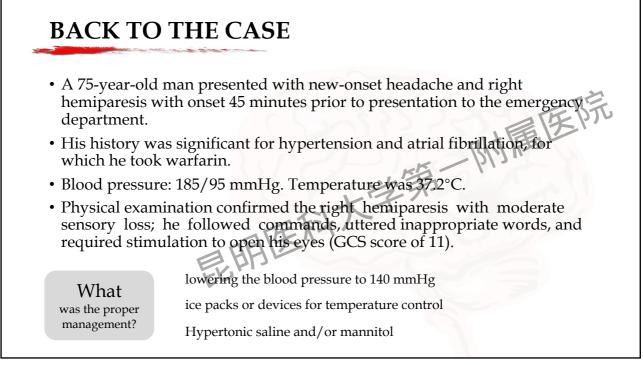




General Management of ICH

Condition	Recommendation
Anticoagulant medication	Normalization of international normalized ratio (INR)
Blood pressure	 For patients with systolic blood pressure >150 mmHg and ≤220 mmHg, consider lowering to 140 mmHg For patients presenting with systolic blood pressure >220mmHg, consider aggressive reduction of blood pressure with a continuous IV infusion of an antihypertensive and frequent blood pressure monitoring
Fever	Antipyretic medication; consider ice packs or devices for temperature control (preferably avoiding sedation, as appropriate)
Cerebral edema	Hypertonic saline and/or mannitol, usual goal 320 mOsm/L with weaning over several days
Antiplatelet medication	Consider desmopressin or platelet transfusion
Hyperglycemia	Routine protocol for glucose control
Deep venous thrombosis prevention	Consider mechanical prophylaxis; consider chemoprophylaxis after hematoma size stable for 2~3 days

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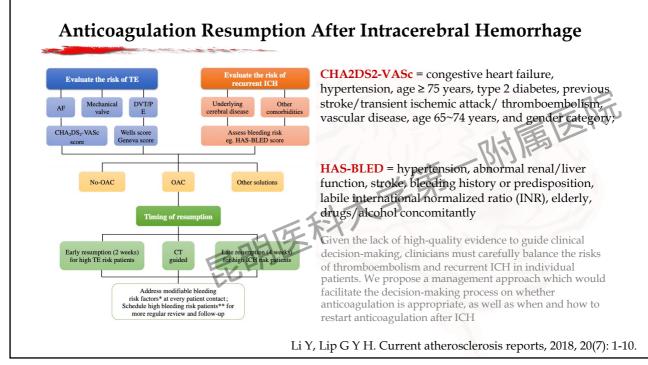


- A 75-year-old man presented with new-onset headache and right hemiparesis with onset 45 minutes prior to presentation to the emergency department.
- His history was significant for hypertension and atrial fibrillation, for which he took warfarin.
- Blood pressure: 185/95 mmHg. Temperature was 37.2°C.
- Physical examination confirmed the right hemiparesis with moderate sensory loss; he followed commands, uttered inappropriate words, and required stimulation to open his eyes (GCS score of 11).

was the proper management? When to restart anticoagulation?

This is not well defined. One month is generally considered a reasonable time frame in patients considered to be a low risk for recurrent ICH.

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