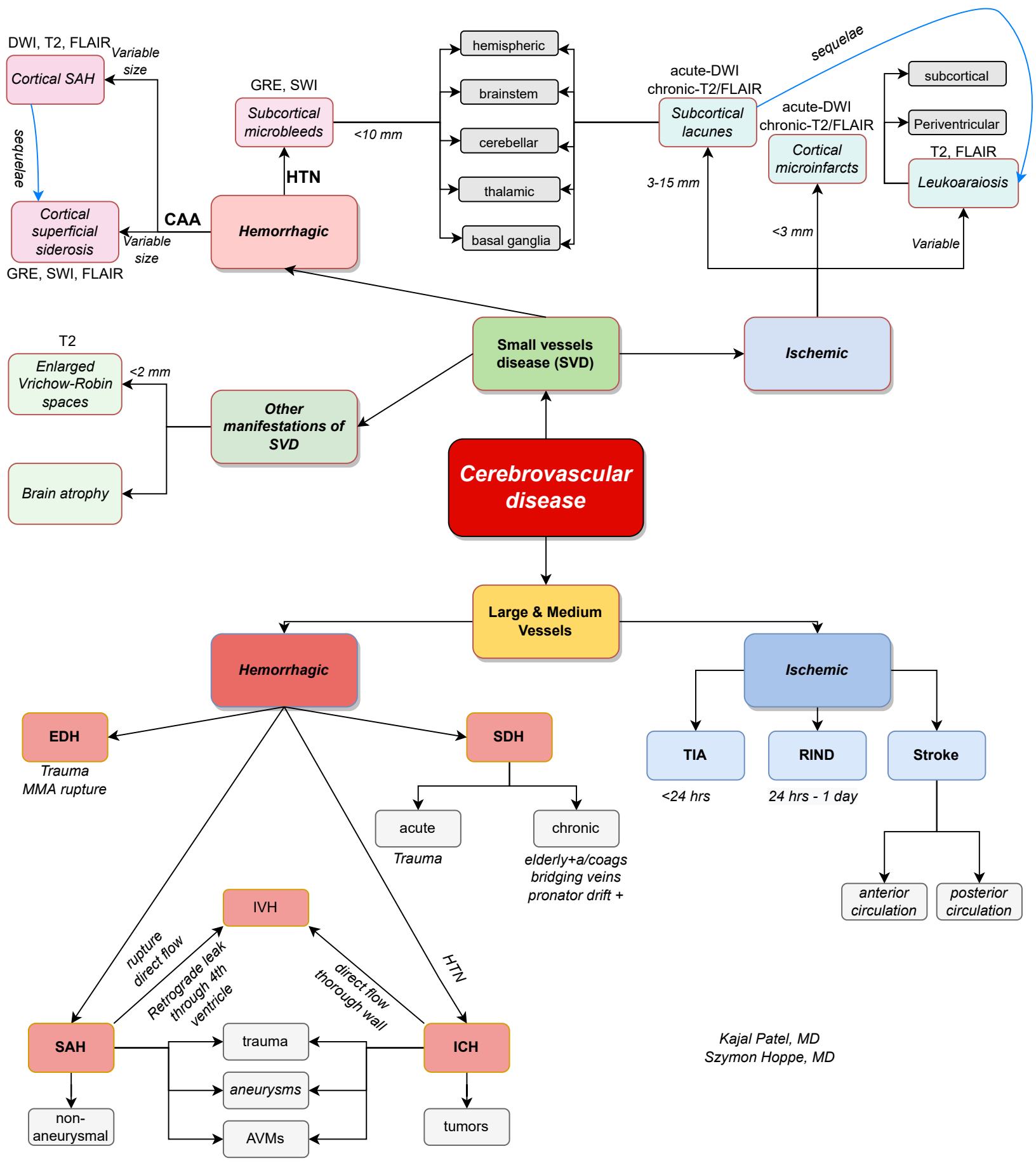
Cerebrovascular disease
Small vessels disease (SVD)
Hemorrhagic
Cortical SAH
DWI, T2, FLAIR
Variable size
sequelae
Cortical superficial siderosis
Variable size
GRE, SWI, FLAIR
CAA
Subcortical microbleeds
GRE, SWI
HTN
<10 mm
hemispheric
brainstem
cerebellar
thalamic
basal ganglia
Ischemic
Subcortical lacunes
acute-DWI
chronic-T2/FLAIR
3-15 mm
Cortical microinfarcts
acute-DWI
chronic-T2/FLAIR
<3 mm
sequelae
subcortical
Periventricular
Leukoaraiosis
T2, FLAIR
Variable
Other manifestations of SVD
T2
Enlarged Vrichow-Robin spaces
<2 mm
Brain atrophy
Large & Medium Vessels
Hemorrhagic
EDH
Trauma
MMA rupture
SDH
acute
Trauma
chronic
elderly+a/coags
bridging veins
pronator drift +
IVH
rupture
direct flow
Retrograde leak through 4th ventricle
direct flow thorough wall
HTN
SAH
non-aneurysmal
trauma
aneurysms
AVMs
ICH
tumors
Ischemic
TIA
<24 hrs
RIND
24 hrs - 1 day
Stroke
anterior circulation
posterior circulation
Kajal Patel, MD
Szymon Hoppe, MD