One of the most important causes of dementia is brain blood vessel disease (also called vascular dementia). To make progress in understanding the causes of vascular dementia and to develop treatments, we need to diagnose and measure it in a standard way. This can be difficult to do when studies involve many different sites that may diagnose vascular dementia somewhat differently. The objective of our work is to develop standardized methods for using brain scans to diagnose vascular dementia. We will host a series of teleconferences and meetings to:

1) plan an internet-based repository for instructions on how to do magnetic resonance imaging (MRI) scans to detect vascular dementia,
2) host examples of scans with different kinds of blood vessel diseases, so radiologists and researchers can learn what they look like and practice measuring them,
3) provide instructions for how to test the reliability of MRI scanner measurements, and
4) review new ways to do scans to diagnose vascular dementia.

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