

Ancillary Study #165: Subclinical Hypothyroidism and Risk of MI and Stroke

Summary of Stroke Selection

March 9, 2006

This memo addresses details of the stroke selection. Please refer to the February 2005 memo for details on cohort and MI case selection.

Study Population:

The WHI Observational Study consists of 93,676 participants. As of September 12, 2005, 675 met the stroke eligibility criteria of this ancillary study. Potential cases were excluded based on the following hierarchical criteria:

	<i>Eligible Cases</i>
No exclusions	2011
1) Centrally adjudicated ischemic stroke without history of prior stroke (per AS126)	1024
2) Lack of available serum (0.6 mL)	721
3) History of thyroid disease at baseline	679
4) Use at baseline of medication that could influence TSH or T ₄ levels, including thyroid medication, amiodarone, daily oral corticosteroids, dopamine, lithium, immunomodulators and immunosuppressive agents (including interferons), hydantoins (including phenytoin), carbamazepine	
5) History of carotid endarterectomy at baseline	675
6) Unknown race/ethnicity on both Form 2 and Form 41 ¹	675

Case summary:

All 675 stroke cases were chosen for inclusion in this study. The average follow-up time was 7.4 (SD = 1.7) years, with an average enrollment age of 68.3 (SD = 6.4) years. Please note that 84 of these cases were in the previously chosen cohort, so only 591 new participants were added in this selection round.

<i>Variable</i>	<i>Category</i>	<i>%</i>
Age	50-54	2.4
	55-59	7.4
	60-64	16.0
	65-69	28.2
	70-74	27.6
	75-79	18.5
Ethnicity	White	85.3
	Black	10.2
	Hispanic	1.6
	American Indian	0.6
	Asian/Pacific Islander	2.2

¹ Defined hierarchically as any 1) Hispanic, 2) African-American, 3) Native American, 4) Asian or Pacific Islander, or 5) white racial identification