Inclusion Criteria:

Subjects must:

1. Be 21 to 65 years of age
2. Sign written informed consent.
3. Be naïve to Upper Cervical Chiropractic care. Other forms of chiropractic care in the past are permitted.
4. Have migraine with or without aura according to the International Classification of Headache Disorders
5. Have between 10 and 26 headache days per month over the last 4 months
6. Have at least 4 separate headache episodes per month, with episodes separated by at least 4 hours of pain free time.
7. Have at least 8 days per month with pain of levels of ≥ 4/10 for part of the day, or have attacks successfully treated with migraine specific medication.
8. Have at least 8 days per month with headache, which meets migraine diagnostic criteria for migraine, or where headache is treated successfully with a migraine specific medication.
9. Be candidates suitable for NUCCA therapeutic intervention because of atlas displacement as assessed by NUCCA investigator.
10. Subjects on acceptable pharmacological prophylaxis must either remain on a stable dose throughout the study, or stop the prophylactic medication one month before entering the baseline period.

Exclusion Criteria:

Presence of:

1. Any medical or psychiatric condition which in the opinion of the screening investigator would make the subject unsuitable for enrolment, because of inability to comply with study requirements or possible confounding of the results.
2. Headache on more than 26 days per month
3. Acute medication overuse as defined by the International Classification of Headache disorders
4. Pregnancy or lactation
5. Severe cervical spine degeneration as assessed by cervical spine X-ray
6. Claustrophobia

7. A history of cardiovascular disease, cerebrovascular disease, brain surgery, or other central nervous system disorder.
8. Other chronic pain disorder which might interfere with headache assessment or study procedures
9. A history of significant hypo- or hypertension as determined by the investigator
10. Subject on a beta-blocker, calcium channel blocker, or other medication which the investigator considers might alter cerebral vascular regulation. Triptans are allowed, but must not be taken within 24 hours (frovatriptan 48 hours) before a PCMRI study.
11. A history of substance abuse or dependence within 1 year
12. Current participation in a research study or within the last 30 days
13. Any spinal chiropractic care outside of the study protocol is prohibited during the baseline and treatment period.
14. Use of botulinum toxin A within 4 months of study entry.
15. A history of significant head or neck trauma (as judged by the investigator) within the year prior to study entry.