

Mantras May Give Your Brain A Boost

By Carolyn Butler
Washington Post
March 2011

They are the simplest instructions in the world: Sit in a comfortable position, close your eyes, clear your mind and try to focus on the present moment. Yet I am confident that anyone who has tried meditation will agree with me that what seems so basic and easy on paper is often incredibly challenging in real life.

I've dabbled in mantras and mindfulness over the years but have never really been able to stick to a regular meditation practice. My mind always seems to wander and eventually I end up so stressed out about de-stressing that I give up. But I keep coming back and trying again, every so often, because I honestly feel like a calmer, saner and more well-adjusted person when I meditate, even if it's just for a few minutes in bed at the end of the day.

Now there's even more reason to give it another go: New research from Massachusetts General Hospital in Boston indicates that meditating regularly can actually change our brain structure for the better, and in just a few months.

The small study, published last month in *Psychiatry Research: Neuroimaging*, tracked 16 people who took a course on mindfulness-based stress reduction — a type of meditation that, besides focusing your attention, includes guided relaxation exercises and easy stretching — and practised for about 30 minutes a day.

After eight weeks, MRI scans showed significant grey matter density growth in areas of the brain involved in learning and memory, empathy and compassion, sense of self and emotional regulation, when compared with a control group. In addition, the researchers referred to an earlier study that found a decrease in grey matter in the amygdala, a region of the brain that affects fear and stress, which correlated with a change in self-reported stress levels.

None of this comes as a surprise to dedicated meditators or to doctors who regularly prescribe the practice.

“The study shows that meditation induces certain physiological brain changes that are consistent with many of the health benefits we see clinically,” says family

medicine and chronic pain specialist Gary Kaplan, director of the Kaplan Center for Integrative Medicine in McLean, Va., who recommends meditation as part of a treatment plan for every one of his patients. He reports that patients who follow this advice typically sleep better, have less pain, less anxiety and depression, and a better general sense of well-being.

Kaplan adds that this admittedly anecdotal evidence comes on top of at least a decade's worth of research showing that meditation can have a range of benefits such as reduced stress and blood pressure, migraine relief, an improved attention span and better immune function.

Given that meditation is readily accessible, cheap and portable and has few if any risks, there's really no harm in giving it a try, says Kaplan, who suggests that getting a book or CD on the topic or taking a basic class is a good way to start.

For those who are skeptical or who continue to struggle, Hugh Byrne, a senior teacher with the Insight Meditation Community of Washington, suggests some tips for getting going — and sticking with it:

- Seek the right style. There are many forms of meditation, with different objectives, and it's important to do some research and find the one that works best for you, whether it involves walking, chanting or deep-breathing exercises.
- Practice, practice, practice. It's essential to cultivate a regular, daily routine to get your mind in the habit of meditating, even if it's just five or 10 minutes to start, says Byrne, who recommends slowly increasing that to 30 minutes or more every day.
- Be mindful all day long. Meditation "isn't just about bringing awareness to your experience while you're sitting cross-legged with eyes closed," says Byrne. "It's also a practice that you can bring into the rest of your life: when you're eating, sitting in a traffic jam, or relating to a partner, spouse, kids or colleagues at work." He suggests finding a few minutes here and there to get centred.
- Don't be discouraged by a wandering mind. It's totally normal. "The important thing is just to notice when you move into planning the future or ruminating on the past or daydreaming, just notice that and gently bring attention back to the present," says Byrne. "And come back into the body, without judgment or criticism."