## Dr King is a section editor of and regular contributor to "The Somatic Connection" and is a member of the JAOA Editorial Board.

ited conclusion, as follows: "The currently available evidence on the clinical efficacy of cranial OMM is heterogeneous and insufficient to draw definitive conclusions."<sup>2</sup> They further state the obvious, writing, "further research into this area is needed."<sup>2</sup> This conclusion is appreciated and respected for its scientific purity, and indeed, the article is not yet another anti–cranial OMM screed far from it. However, their review could have been more comprehensive and still maintained scientific integrity.

Cranial Osteopathic Manipulative Medicine's Growing Evidence Base

**EDITORIAL** 

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wo articles on cranial osteopathic

manipulative medicine (OMM)<sup>1,2</sup>

were published in the December 2011

issue of JAOA-The Journal of the Amer-

ican Osteopathic Association, and a review

of a clinical study reporting the benefits

of cranial manipulation appears in the

present issue's installment of "The

Somatic Connection."3 All of these items

bring much-needed attention to the dis-

cussion on the validity of the concept

and clinical benefits of cranial OMM in

more, current research attention devoted

to cranial OMM as there is to any other

single OMM procedure, yet cranial pro-

cedures remain the most controversial.4

Despite the controversy, I believe there

is mounting support for virtually all

aspects of cranial OMM, including the-

oretical assumptions (eg, the Primary

Respiratory Mechanism elements), clin-

ical benefits, and physiologic mecha-

by Jäkel and von Hauenschild,2 it

becomes apparent that a number of

studies that used cranial OMM were not

included because of the strict selection

process used by the authors. Their inclu-

sion criteria required that only articles

that specifically described cranial manip-

ulation be included. Hence, Jäkel and

von Hauenschild have a possibly lim-

As one reads the systematic review

nisms of action.

There is arguably as much, if not

the practice of health care.

While the tenets of modern research would lead us to isolate the specific OMM maneuver that may produce a measurable beneficial outcome, in actual clinical practice multiple OMM maneuvers are usually employed. In any discussion of the effects of cranial OMM, I can think of at least 3 articles in which clinical benefit in the use of cranial OMM was demonstrated but specific descriptions of cranial OMM were lacking5,6 or cranial OMM descriptions were vaguely referred to.7 While the articles by Frymann<sup>5,6</sup> may not have specified cranial OMM, anyone remotely familiar with Frymann's work knows she performed cranial OMM on every patient; during a cranial course she was directing about a decade ago, I heard her publicly state that she did. In the study by Mills et al,7 treatment included "balanced membranous tension (according to the teachings of William Garner Sutherland, DO, and others)," referring to Osteopathy in the Cranial Field by Magoun.8 Clearly, cranial OMM was used in that study.

Two articles published subsequent to the Jäkel and von Hauenschild systematic review<sup>2</sup> specify cranial OMM and report beneficial outcomes.<sup>1,9</sup> In the study by Shi et al,<sup>1</sup> cranial OMM produced measurable physiologic effects that contribute to our understanding of possible mechanisms of action for cranial OMM. In the study by Lopez et al,<sup>9</sup> specific cranial OMM procedures were described in the treatment protocol, and data showed improved balance and equilibrium in healthy elderly adults.

Jäkel and von Hauenschild<sup>2</sup> were justified in their approach, but I would like the osteopathic medical profession and the scientific community at large to know that much more research has been done that suggests benefit for the clinical application of cranial OMM. Perhaps the pieces are now in place for a fuller review and explication of cranial OMM.

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