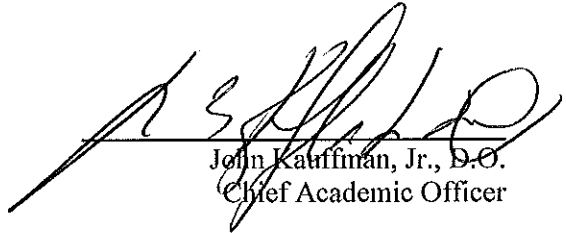


Osteopathic Medical Network of Excellence in Education

Policy Order No. 0000

Effective Date: Month Day, Year



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Chief Academic Officer

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VCOM Dean and Executive Vice President

Scientific Research Activities Policy

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1. PURPOSE

The purpose for the Scientific Research Activities policy is to detail the research that residents, in the OMNEE’s educational programs, need to complete prior to their graduation from their specific residency program.

2. SCIENTIFIC RESEARCH ACTIVITIES

OMNEE requires that all residents in graduate medical education training programs located in OMNEE’s educational programs (primary, associate, and affiliate members) fulfill the research requirements of their respective residency specialty college as outlined in the AOA *Basic Standards*. In an effort to promote

increased research, OMNEE will develop a research educational initiative that will foster a research project that will end with either a poster presentation or a paper of publishable quality.

Prior to July 2010, all residents are required to fulfill the research requirements of their specific specialty college program. However, as of July 1, 2010, PGY 1 residents in OMNEE educational programs will participate in a research methodology program developed by VCOM research faculty/staff. By the end of the PGY 1 year, the resident will be expected to follow the guidelines below:

PGY 1—Develop and present a research and/or paper proposal.

PGY 2—Complete the literature review and/or research.

PGY 3—Develop a poster for presentation and/or write a paper suitable for publication submission.

2.1. PGY 1—Present Research/Paper Proposal

Part of this first year is for the resident to gain more research skills. In order to assure the resident has the tools for such a process, the OMNEE's Research Committee, in conjunction with the Edward Via Virginia College of Osteopathic Medicine's (VCOM) Research Committee will offer courses that detail the research process.

To complete this portion of the project, residents must choose from one of the following options for their poster/paper:

Case Report—Case reports should involve a patient in which the resident has been directly involved in the care. The case report should identify one of both of the following:

- a. Newly recognized features of a clinical condition.
- b. Abnormal or unusual presentation of a clinical condition.
- c. New approaches to management of a clinical condition.
- d. A rarely seen clinical condition.

Review of the Literature—Literature review may be one of the following:

- a. A review of research literature on a clinical topic for a period of ten years (or greater).
- b. A comparison of newly reported clinical information in the literature to past research and literature on the topic.

In both cases the literature review must be a detailed, critical review of published research with a summary of relevant indications toward a clinical problem (whether diagnostic or management).

Meta-Analysis—A resident may produce a meta-analysis of relevant clinical research, following either a. or b. above, providing the resident has an understanding of statistical analysis and can develop the statistical framework necessary to conduct such an analysis.

Original retrospective study—This option requires that a faculty sponsor be involved in the research and must meet the VCOM research guidelines (Office of Research Administration website) including Institutional Review Board (IRB) approval. A retrospective study must be derived from a group of not less than 20 patients for common illnesses or ten patients with a rare illness. The analysis should outline findings from presentation, diagnosis, and/or management of clinical cases. The analysis should identify any new information or clinical relevance of the information presented. The analysis must be compared to not less than five years of prior publications on the topic.

Original research—Original research requires that a faculty sponsor be involved in the research and must meet the VCOM research guidelines (Office of Sponsored Programs website) including the Institutional Review Board (IRB) approval if human subjects are involved. The report requires an abstract, background with rationale for the research question, a hypothesis, materials and methods (formulation of a research design, study implementation) results (data gathering and analysis), a discussion (comparison of your findings to current literature) and a conclusion or summary. The abstract should contain brief statements of: context, objectives, methods, results and conclusion. Students involved in bench research (not human subject) should follow this same report format; however, IRB approval is not required.

Survey Research—Residents can choose to conduct survey research. Survey research requires that a faculty sponsor be involved in the research and must meet the VCOM research guidelines (Office of Sponsored Programs website) including the IRB approval. The report requires a rationale for the survey research, formulation of a survey design, study implementation, how the survey will be conducted, analysis and comparison of that research to current literature. Please note that IRB will not approve retroactively any study done before the IRB approval. For more information about IRB requirements please contact Sharon Kauffman at skauffman@vcom.vt.edu.

Residents will present their fully developed research proposal to their Program Director and the Director of Medical Education for approval.

2.2. PGY 2—Complete the Literature Review and/or Research

Each resident will develop a plan detailing the time they have allotted for their research. Literature review, case presentation outline, and/or the research must be completed during the second year of residency.

2.3. PGY 3—Poster Presentation and/or a Paper for Submission

Poster presentation—Residents preparing a poster must follow the poster requirements developed by Dr. Francine Anderson and approved by the OMNEE Research Committee.

Paper suitable for publication—Residents writing a paper must follow the paper requirements developed by the OMNEE and research paper submission guidelines published by the *Journal of the American Osteopathic Association (JAOA)*.

3. INSTITUTIONAL REVIEW BOARD

Residents will utilize the resources of VCOM's IRB. In the event one of OMNEE's educational programs has their own IRB, a formal agreement will be signed outlining the responsibilities of both IRBs. All research projects reviewed by outside IRBs will be reviewed and approved by VCOM's IRB. The OMNEE Research Committee will submit a letter indicating IRB acceptance to the appropriate DME.

4. RESEARCH MENTORSHIP

Finding a mentor will depend upon the type of research the resident plans. If the resident will be collaborating with another investigator (faculty/preceptor), that faculty member/preceptor will be the mentor. Residents not collaborating with another investigator must find a mentor for their project. The OMNEE will assist the resident in getting a faculty mentor for their project.

5. FUNDING SOURCES FOR THE RESIDENT

The OMNEE will make available a small stipend for residents to travel to scientific conferences if they are presenting a poster or paper. The OMNEE will work with its Research Committee to assure residents have access to seed money for research projects, when necessary.

6. RESEARCH PUBLICATION/PRESENTATION

The OMNEE will support, promote and facilitate publications in peer reviewed journals by OMNEE residents and/or faculty.

VCOM hosts an event each year called Research Day, usually in October. Residents are encouraged to submit a poster to this event.

7. DURATION OF POLICY

The OMNEE Scientific Research Activities Policy is effective as of the date above and shall remain effective until amended or terminated by the VCOM Dean and Executive Vice President and the OMNEE Academic Officer.