

19 August 1999

TO: Members, University Senate

FROM: University Senate Council

RE: AGENDA ITEM: University Senate Meeting, Monday, 13 September 1999. Proposal to establish a Center for Minimally Invasive Surgery. If approved, the proposal will be forwarded to the President for appropriate administrative action.

**Proposal for the Creation of
The Center for Minimally Invasive Surgery**

1. Goals and Significance.

Advanced surgical techniques in a managed care environment place a premium on those that are minimally invasive. We anticipate that an ever-increasing number of procedures will be performed using these new techniques and will prove not only beneficial to the patient in terms of recovery but also will minimize bed occupancy and reduce costs. The goal of the Center for Minimally Invasive Surgery is to improve clinical service through research, contribute to basic, clinical, and outcomes-based research, and provide educational programs for residents and faculty seeking continuing education.

In addition to Dr. Adrian Park, the proposed Director for CeMIS, a number of other faculty in the College of Medicine, the new School of Public Health, and the Center for Biomedical Engineering will participate in this Center.

2. Justification for creating a center.

The Center has operated informally for some time, and a substantial gift from U.S. Surgical Corporation made clear that there was considerable external interest in the goals of the proposed Center. CeMIS will facilitate the interactions among faculty with surgical interests, provide a framework for interdisciplinary research in basic, clinical, and outcomes-based research, assist with the recruitment of residents and graduate students with special interests in surgery or the development of surgical devices, provide and maintain appropriate facilities, and provide opportunities for the continuing education of faculty. It is also anticipated that the Center will lead to the development of new technology that could be commercialized.

3. Faculty leadership

Adrian Park, MD is proposed as the Director of CeMIS. He will be appointed for a three-year term, will be reviewed in the second year of his appointment, and is eligible for reappointment after appropriate review and consultation with the Dean, Chancellor, and Hospital Director.

Under Dr. Park's direction, a steering committee was assembled to provide some guidance to the center and the related Ambulatory Surgery Center. A new Advisory Committee will be appointed to replace this committee. The Advisory Committee will have representatives who will reflect the multidisciplinary interests and broad mission of CeMIS:

Adrian Park
Robert Mentzer
David Watt
Daniel Wermeling
Delwood Collins
Joe Claypool
Kenneth Muse

4. Reporting relationships.

The Center will report to the Chancellor of the Medical Center

5. Staff and facilities requirements.

Space identified for CeMIS will house offices for the Director, clerical assistants, faculty trained in minimally invasive techniques, fellows, clinical scholars in training, nurses who coordinate patient care services, a coordinator for the teaching laboratory, and a computer programmer for the Immersadesk.

CeMIS will also include a teaching laboratory, with administrative support space, for the instruction of faculty, house staff, and students in the skills required to master techniques and procedures of minimally invasive surgery. The Immersadesk will be located in the Center and will be used for training and research. A telesurgery conference facility will also be housed in CeMIS.

CeMIS will initially be located on the 3rd floor of the University Hospital clinic wing in rooms C-304, C-308, C-310, C-312, C-316, C-318, and C-315. Rooms C-301 and C-303 will be a common, patient-waiting and reception location.

The plan for the first three years is to maintain staffing at the proposed levels. The number of core faculty will, however, substantially increase.

6. Needed equipment and instrumentation.

The equipment and instrumentation currently available for the performance of minimally invasive procedures is being inventoried. CeMIS will identify three general categories of "emergency replacement", "necessary and plan-to-obtain" and "value-added equipment". Once these categories have been completed, CeMIS will work with the University Hospital to develop a process for acquiring this equipment. -continued

7. Projected operating costs.

The projected operating costs are shown below for the first three years of operation.

YRO 1	YR02	YR03		
Personnel		\$215,000	\$220,000	\$225,000
Supplies		25,000	30,000	30,000
Equipment		105,000	120,000	130,000
Totals		\$350,000	\$370,000	\$385,000

These funds will come either from the gift from the U.S. Surgical Corporation or Hospital funds.

8. Potential for generating extramural funds

This Center is expected to generate new extramural funding.

The establishment of the Center will provide a formal organizational structure through which Center faculty can apply for both Training and Program Project Grants from the NIH, as well as similar programs through other organizations and industry.

As core faculty or other associated faculty accrues grants and contracts, the awards will be listed in the UKRF summary under their respective departments holding their primary appointments. Indirect costs will be split according to the percentages listed on the Internal Approval Forms.

9. Other Proposed Benefits

This Center will provide an invaluable resource for the Commonwealth of Kentucky: it will be a significant research and training resource within the Commonwealth and will ultimately contribute to the well being of the people of the Commonwealth. The Center will also aid in the development of biotechnology industries within the Commonwealth and will prove to be an invaluable aid to such companies once established.

10. Possible faculty members in the center

Adrian Park, MD	Director of MIS
M. Clive Robinson, MD	MIS Cardiothoracic Surgery
Michael Mastrangelo, MD	MIS GI/Transplant Surgery
Paul DePriest, MD	MIS Gynecology
Larry Butler, MD	
Fred Ueland, MD	
Deborah Blades, MD	MIS Neurosurgery
Robert Gewirtz, MD	
Benjamin Warf, MD	
Raleigh Jones, MD	MIS Otolaryngology
Joseph Valentino, MD	
Carol Fowler, MD	MIS Pediatric Surgery
Andrew Pulito, MD	
James Lovett, MD	MIS Plastic Surgery
Henry Vasconez, MD	
Jozef Zoldos, MD	
Juan Ochoa, MD	MIS Trauma Surgery
Bernard Boulanger, MD	
Larry Munch, MD	MIS/Urology/Transplant
Christopher Kwolek, MD	MIS Vascular
Michael Donnelly, PhD	MIS Education Group
David Sloan, MD	
Benjamin Warf, MD	
Donald Witzke, MD	
Charles Knapp, PhD	Director, Ctr of Biomedical Engineering
Douglas Scutchfield, MD	Director, Ctr for Health Services Management and Research
Alan Male, PhD	Director, Ctr for Robotics and Manufacturing

Systems

Anna Rockich, Pharm D	Director of Clinical Research
Dun-Xue Mu, MD	MIS CT Fellow'98
Daniel Birch, MD	MIS Laparoscopy Fellows
Scott Roth, MD	
William Charash, MD	MIS Research Fellow'98
James Hoskins	MIS Computing/Immersadesk

The proposal has been approved by the Senate's Committee on Academic Organization and Structure and the Senate Council and is recommended to the Senate for approval. If approved the proposal will be forwarded to the Administration for appropriate action.

Implementation: If approved, the proposal will be forwarded to the Administration for appropriate action