TITLE OF TALK: Neonatal Nutrition

Name: Josef Neu

Job Title: Professor of Pediatrics

Biographical Sketch:

Dr. Josef Neu, MD, did his medical school training at the University of Wisconsin, was a pediatric resident at Johns Hopkins and did his postdoctoral neonatology fellowship at Stanford University. He came to the University of Florida in 1984 to continue his research in developmental gastroenterology and neonatal biochemical nutrition. In 1987 he pursued additional research training at the University of Bern (Switzerland) on basic mechanisms affecting intracellular processing of lactase in the intestinal epithelium. He is internationally recognized for his research in developmental gastroenterology and nutrition and has most recently focused his research efforts on the intestinal microbiome and mucosal immunology. He has been NIH funded to study the developing microbiome in babies at risk for developing necrotizing enterocolitis (NEC). This involves a multicenter evaluation of intestinal microbiota using novel non-culture based technologies. He is also evaluating the effects of the fetal microbiome as it relates to prematurity.

Dr Neu maintains an active interest in residency and fellowship training. He has served as director of the neonatology fellowship training program at the University of Florida since 1986 and has served on the Council and National chairman of the Organization of Neonatal Training Program Directors (ONTPD) in the U.S. He is on the editorial board of several journals, has served on numerous NIH study sections and is also active in international education; as a member of International Postgraduate Organization for Knowledge Transfer Research and Teaching Excellent Students (IPOKRaTES), he has organized seminars in neonatal gastroenterology and nutrition in Turkey, Italy, Poland, Georgia, Latvia, Slovenia, Israel, China, Portugal, Mexico, United Arab Emirates, and Brazil. He is currently Chairman of the Board of the IPOKRaTES Foundation.

Dr. Neu has been involved in the mentorship of over 20 postdoctoral M.D. neonatology fellows, a pediatric gastroenterology fellow, approximately 15 visiting international scholars, 2 Ph.D. postdoctoral fellows, over 20 undergraduate independent study students (the majority of whom have gone on to medical, veterinary or graduate school in the sciences). He has also mentored 15 high school students in his laboratory.

LECTURE ABSTRACT:

One of the greatest challenges faced in the care of preterm infants is the optimization of nutritional support. Failure to do so has the potential to result on life-long consequences. Unfortunately, many of our nutritional support practices for these infants have not been based on rigorous evidence. Several
of the controversies of parenteral and enteral nutritional support for these infants will be presented along with the evidence that is currently available.

REFERENCES:

Pertinent Publications (since 2009):


