Clinical Images in Nephrology and Dialysis:
Welcome to an educational feature

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In discussing the educational value of clinical images utilized in Medicine, it is worth briefly touching on some of the history behind the birth and evolution of medical illustrations (1). Illustration of various maladies have appeared in manuscripts from ancient times where religion, spirituality and science where incorporated into these ‘medical illustrations’. In the early 3rd century B.C., medical illustration for the purpose of instruction appeared in Hellenic Alexandria. These medical illustrations demonstrated a variety of aspects of medicine including medicinal plants, anatomy, surgery, and obstetrics. Leonardo da Vinci, considered the first ‘contemporary’ medical illustrator combined artistic skill with a scientific understanding of anatomy to create medical illustrations. Andreas Vesalius followed and published the one of the most well known anatomy books ‘De humani corporis fabrica’. New printing techniques developed in the 19th century permitted medical illustrators to create images in a variety of media. Anatomy and pathology atlases published in color were a major step forward in medical illustrations. The technology of 20th century brought about changes that allowed creation of digital files and software editing programs. The Internet and on-line access to medical illustrations have made worldwide dissemination of medical illustrations a snap.

The editors of *Kidney360*, the new on-line, open access journal of the American Society of Nephrology announce the launch of an interactive, educational feature entitled ‘Clinical Images in Nephrology and Dialysis’. As with most clinicians and scientists in the medical field, nephrologists value medical images as a means to transmit medical information and to educate colleagues, trainees, and patients. This feature is designed to engage the *Kidney360* readership by showing various images in nephrology and dialysis and posing questions. Subsequently, the answers to the questions and a brief description of the clinical context of the images and information about the disease process they represent.

As can be gleaned from the instructions for authors about this feature, up to 3 images can be submitted by up to 3 authors. The images can include findings noted in the broad areas of general nephrology, hypertension and dialysis. For example, these can include findings noted on urine microscopy, kidney and other histopathology, various radiologic images (CT scan, MRI, ultrasound, nuclear medicine, roentgenograms, etc.), and various other clinical findings (skin, eye, and others). In addition, up to 500 words of text, 5 references, and 2 to 3 teaching points should accompany the submission. The editorial staff will work with the authors to formulate questions for the submitted material.

In this issue of *Kidney360*, a kidney biopsy image and radiology image (computed tomography scan) are shown along with a brief description of their clinical context (A patient with nephrotic syndrome and acute flank pain). Three questions accompany the images. The first 2 questions ask the reader to describe the findings in the images, while the last question asks for a diagnosis for the case. The answers to the questions and a brief description of the images and the diagnosis along with the full article will follow subsequently.
We hope the Kidney360 readership will find this feature of interest and engage in the process of answering questions. We also hope that the readers will identify interesting images in their own practices and submit them for consideration. So, start now by submitting answers to the current ‘Clinical Images in Nephrology and Dialysis’ case and scour your practices for interesting images.

References