

Evan Ray

Renal-Electrolyte Div., University of Pittsburgh, PA, USA



Biosketch:

Dr. Evan Ray, MD PhD is an Assistant Professor of Medicine at the University of Pittsburgh, in the United States. He pursued his graduate studies at the University of Pennsylvania, where his PhD dissertation explored regulation of gating in voltage-sensitive potassium channels. His clinical training included residency in Internal Medicine at the University of Pennsylvania and a fellowship in Nephrology at the University of Pittsburgh, followed by a basic sciences fellowship studying sodium homeostasis.

His work on clinical magnesium depletion includes studies showing that SGLT2 inhibitors can enhance Mg reabsorption in the nephron, increasing plasma Mg levels in patients with severe hypomagnesemia, and a publication showing that subcutaneous administration of Mg can more effectively treat persistent hypomagnesemia than intravenous Mg infusion.

Current laboratory studies include a focus upon regulation of epithelial Mg transport, including exploration into the mechanisms by which the mucin, MUC1, influences this process.

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