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Session Topic : Ethics Education

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## **AI in Nephrology: Ethical Challenges and Data Responsibilities in the Digital Age** **(AI 시대에 신장내과 의사의 의료 윤리)**

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Artificial intelligence (AI) is rapidly transforming nephrology, spanning acute kidney injury (AKI), chronic kidney disease, transplantation, and dialysis. Using AKI as a representative case, this presentation examines both the clinical promise and the ethical boundaries of AI integration. While AI enables real-time risk prediction and enhances clinical decision-making, critical concerns remain—particularly algorithmic defensive medicine, where legal safety may override clinical accuracy; epistemic injustice, which marginalizes patient and clinician knowledge; and fairness in the allocation of scarce medical resources. Through this discussion, we seek to reflect on how such challenges might be meaningfully addressed in future nephrology practice.

**Keywords:** Artificial intelligence, algorithmic defensive medicine, epistemic injustice, fairness, nephrology