

resuscitation is controversial due to conflicting evidence surrounding the risks and benefits. Some literature suggests that HDAA can reduce resuscitation volumes, while other evidence suggests an increased risk of acute kidney injury (AKI). Operational concerns further complicate its use due to osmotic diuresis and interference with point-of-care blood glucose monitors. The purpose of this study is to describe the outcomes of HDAA for acute burn resuscitation from patients at a single burn center.

patients admitted 2016 – 2018 Inclusion Criteria

- HDAA infusion for acute burn resuscitation >16 hours **Exclusion Criteria**

Results					
*Results reported as me	ean				
Population (n=24)		Outcomes			
Age, years	47.6	RRT, n (%)	4 (16.7)		
BMI	25.8	24hr fluid total, mL/kg/TBSA	6.08		
Male, n (%)	18 (75)	24hr UOP,	1 65		
TBSA, %	49.1	mL/kg/hr	1.03		
Inhalation Injury		ACS, n (%)	12 (50)		
n (%)	8 (33.3)	Exploratory	4 (16.7)		
Baseline SCr, mg/dL	1.01	Mechanical	14.2		
Concomitant Trauma, n (%)	2 (8.3)	Mortality, n (%)	13 (54.2)		
BMI = Body Mass Index		RRT = Renal Replacement Therapy			

- Pre-existing hemodialysis-dependent chronic kidney disease
- Expired/withdrew care within 48 hours of admission

Primary Outcome

- Incidence of renal replacement therapy within 7 days of admission

Secondary Outcomes

- 24 hour resuscitation volume
- Incidence of ACS and exploratory laparotomy

BMI	25.8	
Male, n (%)	18 (75)	
TBSA, %	49.1	
Inhalation Injury, n (%)	8 (33.3)	
Baseline SCr, mg/dL	1.01	
Concomitant Trauma, n (%)	2 (8.3)	
BMI = Body Mass Index		F

- Duration of mechanical ventilation
- Mortality

Conclusions

- No association between HDAA and the need for renal replacement therapy
- HDAA confounded fluid titration leading to increased risk of ACS
- High mortality rate
- No longer utilized for burn

IBSA = Iotal Burn Surface Area







Dominick Curry, PharmD, BCCCP; Susan Smith, PhD, APRN-C; Brandon Hobbs, PharmD, BCPS; Alexis Schlosser, MD Howard Smith, MD, FACS