Systematic Review: Management Strategies for Keratinising Desquamative Squamous Metaplasia in the Bladder

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BACKGROUND:

- Keratinising Desquamative Squamous Metaplasia (KDSM) of the bladder is a rare benign condition where the normal urothelial lining is replaced by keratinized squamous epithelium [1].
- Mimics bladder cancer clinically and cystoscopically, leading to potential misdiagnosis.
- No standardized treatment guidelines, due to its rarity.
 Although generally benign, it may recur or, in rare cases, progress to squamous cell carcinoma [2].

AIM:

Systematically review diagnostic and therapeutic strategies for KDSM and evaluate long-term outcomes.

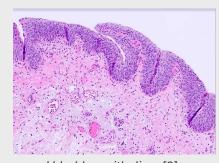


Figure 1: normal bladder epithelium [3]



Figure 2: KDSM of the urinary bladder [3]

METHODOLOGY:

- · Databases searched: PubMed, Scopus, and Cochrane
- Inclusion criteria: Inclusion criteria: histologically confirmed KDSM, management details, follow-up data
- Data extracted: demographics, symptoms, diagnostics, treatment & recurrence rates.

RESULTS:

- Most common symptoms: haematuria, dysuria, frequency
- Treatment: Conservative management in 75%, Surgical resection for symptomatic/recurrent cases
- Outcomes: Recurrence rates 9-13%

DISCUSSION:

- Management remains variable; no standard protocol
- Conservative management effective in majority.
 Surgery reserved for persistent/recurrent symptoms
- Need for regular follow-up due to recurrence & rare malignant transformation

RECCOMENDATIONS

Prospective studies required to develop guidelines and better understand clinical course

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