

1. **Introduction**

2. **Methodology**

3. **Results and Discussion**

4. **Conclusion**

5. **References**

6. **Appendix**

7. **Notes**

8. **Author Biographies**

9. **Correspondence**

10. **Declaration of Interest**

11. **Additional Information**

12. **References**

Case	Case description	Case outcome
1	Case 1: A 35-year-old male patient with a history of hypertension and chronic kidney disease (CKD) stage 3, presenting with acute decompensation of heart failure (ADHF) characterized by severe dyspnea, orthopnea, and lower extremity edema. He was treated with diuretics and beta-blockers.	ADHF resolved, but CKD worsened to stage 4. The patient was discharged on a diuretic and beta-blocker regimen.
2	Case 2: A 68-year-old female patient with a history of hypertension, CKD stage 3, and atrial fibrillation (AF), presenting with ADHF. She was treated with diuretics, beta-blockers, and digoxin.	ADHF resolved, but CKD worsened to stage 4. The patient was discharged on a diuretic, beta-blocker, and digoxin regimen.
3	Case 3: A 55-year-old male patient with a history of hypertension, CKD stage 3, and chronic obstructive pulmonary disease (COPD), presenting with ADHF. He was treated with diuretics and beta-blockers.	ADHF resolved, but CKD worsened to stage 4. The patient was discharged on a diuretic and beta-blocker regimen.
4	Case 4: A 72-year-old female patient with a history of hypertension, CKD stage 3, and atrial fibrillation (AF), presenting with ADHF. She was treated with diuretics, beta-blockers, and digoxin.	ADHF resolved, but CKD worsened to stage 4. The patient was discharged on a diuretic, beta-blocker, and digoxin regimen.

Case	Case description	Case outcome
5	Case 5: A 45-year-old male patient with a history of hypertension, CKD stage 3, and atrial fibrillation (AF), presenting with ADHF. He was treated with diuretics, beta-blockers, and digoxin.	ADHF resolved, but CKD worsened to stage 4. The patient was discharged on a diuretic, beta-blocker, and digoxin regimen.
6	Case 6: A 60-year-old female patient with a history of hypertension, CKD stage 3, and atrial fibrillation (AF), presenting with ADHF. She was treated with diuretics, beta-blockers, and digoxin.	ADHF resolved, but CKD worsened to stage 4. The patient was discharged on a diuretic, beta-blocker, and digoxin regimen.
7	Case 7: A 70-year-old male patient with a history of hypertension, CKD stage 3, and atrial fibrillation (AF), presenting with ADHF. He was treated with diuretics, beta-blockers, and digoxin.	ADHF resolved, but CKD worsened to stage 4. The patient was discharged on a diuretic, beta-blocker, and digoxin regimen.
8	Case 8: A 50-year-old female patient with a history of hypertension, CKD stage 3, and atrial fibrillation (AF), presenting with ADHF. She was treated with diuretics, beta-blockers, and digoxin.	ADHF resolved, but CKD worsened to stage 4. The patient was discharged on a diuretic, beta-blocker, and digoxin regimen.

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