

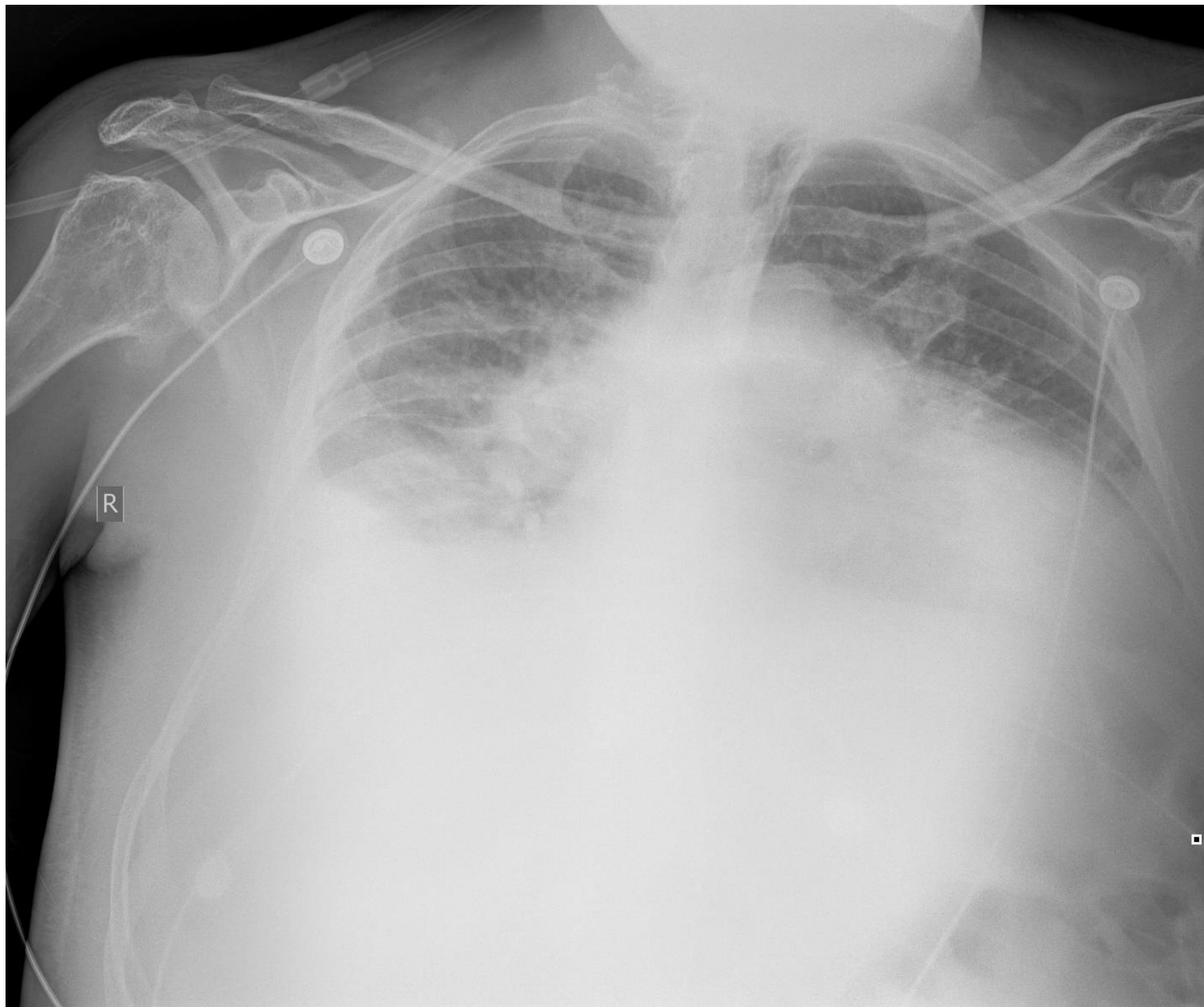
Case report: Respiratory failure in a patient with untreated acromegaly

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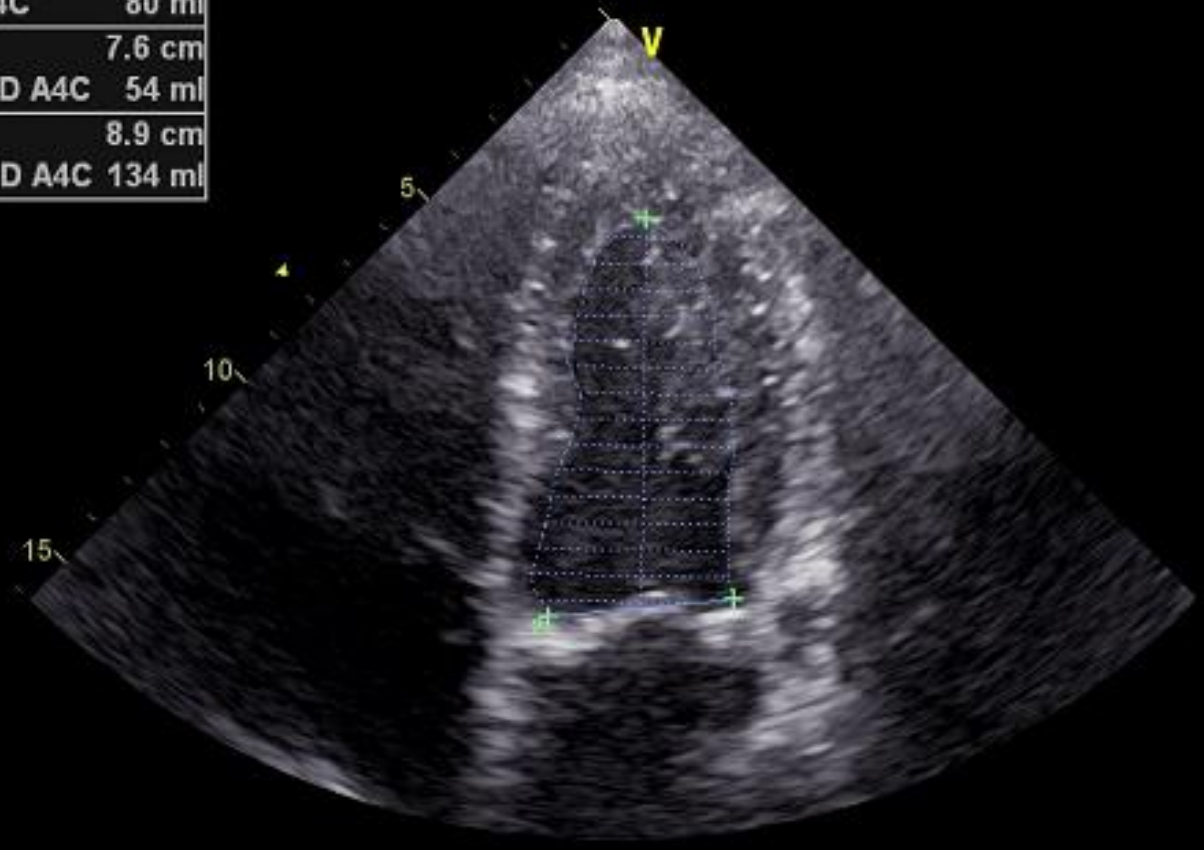
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- A 48 year old male heavy smoker, and a history of acromegaly since 12 years on octreotide that he stopped since 9 years without medical advice was admitted to the hospital for somnolence and dyspnea, found to have decompensated heart failure with a LVEF of 10 %, and COPD exacerbation requiring invasive mechanical ventilation, treatment with diuretics and antibiotics.



- Following improvement, the patient was discharged home on medical treatment, including a beta blocker, furosemide, spironolactone, sacubitril/valsartan, octreotide, and cabergoline.
- Four months later, he was scheduled for transphenoidal resection of the adenoma, ended up successful.
- Follow up echocardiography every 3 months showed progressive improvement in LVEF reaching 60 % at 1 year.

LVEF MOD A4C	60 %
SV MOD A4C	80 ml
2 LVLs A4C	7.6 cm
LVESV MOD A4C	54 ml
1 LVLd A4C	8.9 cm
LVEDV MOD A4C	134 ml



70
HR

- Early initiation of HF therapy was shown to improve cardiac function. HF therapy and acromegaly therapy were initiated for our patient and he was followed for few months with impressive outcomes characterized by normalization of his systolic function and improvement in quality of life.
- This is the first case reported of severe HF related to acromegaly with complete reversibility post treatment.

Thank you