

METASTATIC PANCREATIC TAIL CARCINOMA WITH SQUAMOUS DIFFERENTIATION, NORMAL CARBOHYDRATE ANTIGEN 19-9, AND A BRCA1-MUTATED HOMOLOGOUS RECOMBINATION DEFICIENCY – POSITIVE GENOMIC PROFILE PRESENTING AS CHRONIC LUMBAR PAIN: A RARE CASE REPORT

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BACKGROUND

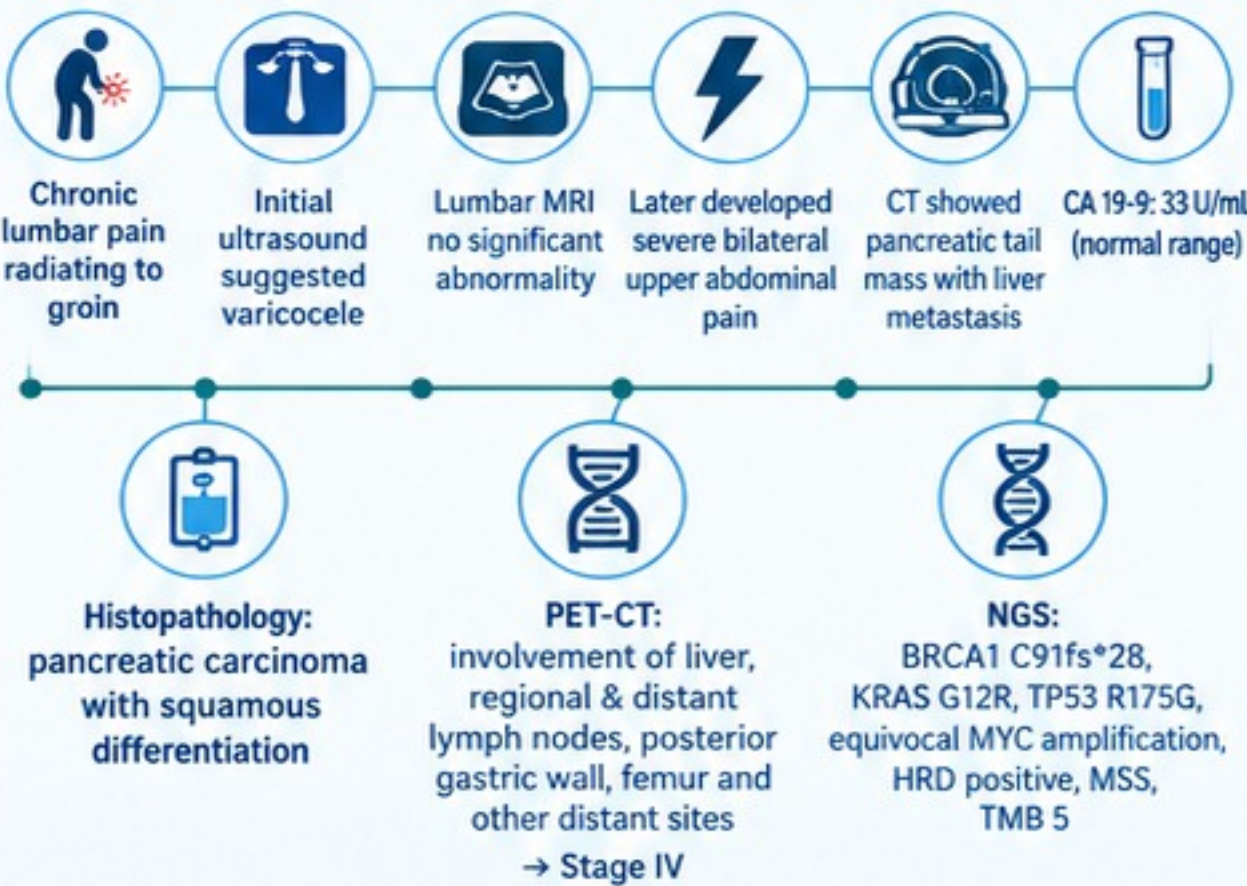
Pancreatic carcinoma with squamous differentiation is a rare and highly aggressive histological variant. Carcinomas of pancreatic tail have added a challenge of early diagnosis due to nonspecific symptoms of tumour and absence of jaundice with normal serum CA 19-9. This rare presentation has been scarcely reported.

METHOD

Written informed consent for publication was obtained from patient's next of kin. All identifying information has been omitted to ensure patient confidentiality.

CASE PRESENTATION

A middle aged diabetic male presented with:

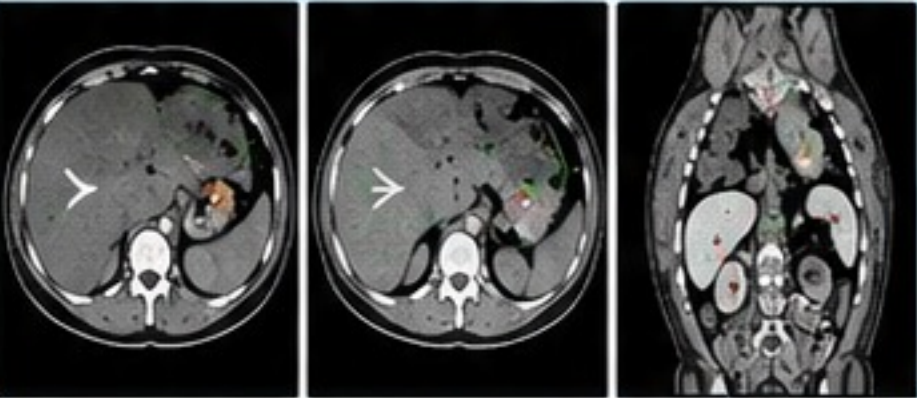


CONCLUSION

Pancreatic tail carcinoma may present with atypical lumbar pain and normal CA 19-9. Squamous differentiation, widespread metastases, and HRD positivity highlight its rarity. Persistent unexplained symptoms and weight loss in diabetic patients warrant thorough evaluation.

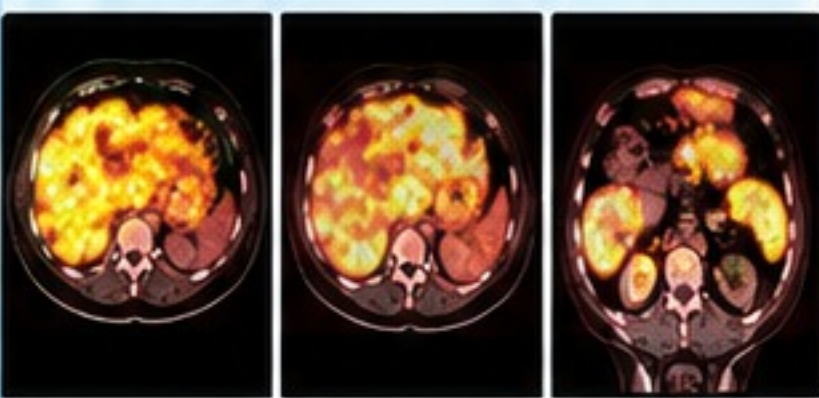
IMAGING

CT ABDOMEN (CONTRAST ENHANCED)



Peripherally avid, centrally necrotic, lobulated soft tissue density mass lesion involving distal body and tail of pancreas → primary neoplastic lesion.

PET-CT

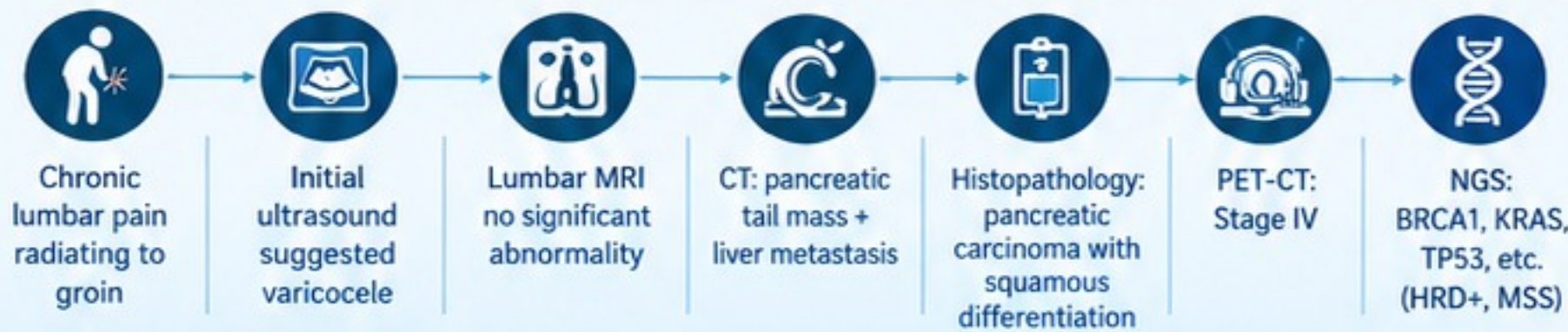


Centrally necrotic lobulated, soft tissue mass involving the distal body and tail of pancreas with extensive hypermetabolic metastatic infiltration of the liver parenchyma.

4. GENOMIC PROFILE (NGS)

BRCA1	c.915+2G (frameshift mutation) HRD POSITIVE
KRAS	G12R mutation
TP53	R175G mutation
MYC	Equivocal amplification
Microsatellite status	MSS
Tumor Mutational Burden	5 mutations / Mb

CLINICAL TIMELINE



Patient Details & Findings

Age / Gender	Middle-aged male
Diabetes	Present
CA 19-9	33 U/mL (normal)
Histopathology	Pancreatic carcinoma with squamous differentiation
NGS	BRCA1 C91fs*28, KRAS G12R, TP53 R175G, MYC equivocal amp, HRD+, MSS, TMB 5
Stage	IV (PET-CT)

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