[PICTURES IN CLINICAL MEDICINE]

Permanent Hemodialysis Catheter Causing Superior Vena Cava Syndrome

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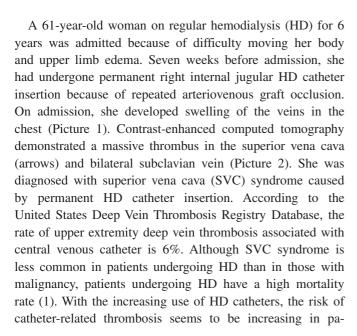
Key words: superior vena cava syndrome, permanent vascular catheter, hemodialysis

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Picture 1.





Picture 2.

tients undergoing HD (2). The early diagnosis of SVC obstruction in patients undergoing HD with internal jugular catheter may improve their prognosis and treatment outcome.

The authors state that they have no Conflict of Interest (COI).

References

- **1.** Siegel Y, Kuker R. Superior vena cava obstruction in hemodialysis patients: symptoms, clinical presentation and outcomes compared to other etiologies. Ther Apher Dial **20**: 390-393, 2016.
- Thapa S, Terry PB, Kamdar BB. Hemodialysis catheter-associated superior vena cava syndrome and pulmonary embolism: a case report and review of the literature. BMC Res Notes 23: 233, 2016.

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