

## Intraarterial chemo + radiation may up cerebral infarctions

April 4 2016

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(HealthDay)—Intraarterial chemoradiotherapy (CRT) for head and neck

cancer is tied to a higher incidence of cerebral infarction, compared to intravenous CRT, according to a study published online March 25 in *Head & Neck*.

Sayaka Suzuki, M.D., from the University of Tokyo, and colleagues used the Diagnosis Procedure Combination database (2010 to 2013) to identify patients with [head](#) and [neck cancer](#) receiving platinum-based chemotherapy and concurrent radiotherapy, either intraarterial or intravenous CRT (propensity score-matched 1:4).

The researchers found that the occurrence of [cerebral infarction](#) was significantly higher in the intraarterial CRT group than in the intravenous CRT group (11 of 775 versus 12 of 3,100;  $P = 0.002$ ). There was no significant difference noted in either mucosal toxicity or febrile neutropenia.

"This result is useful when considering the procedure-related risks and the potential benefits of intraarterial CRT," the authors write.

**More information:** [Abstract](#)  
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Citation: Intraarterial chemo + radiation may up cerebral infarctions (2016, April 4) retrieved 27 April 2024 from  
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