A 63-year-old black woman with hypertension, diabetes mellitus, and end-stage renal disease who was on dialysis underwent percutaneous intervention of a right coronary artery. A total of 100 cc of Optiray (74% Ioversol, a nonionic low-osmolar contrast agent with 350 mg/mL of organically bound iodine) was used during the procedure. A few hours after the procedure, the patient noticed swelling and pain in the upper neck region. She recalled a history of mumps in childhood and was on aspirin, ticlopidine, losartan, and thyroxin.

Physical examination revealed an afebrile patient with a regular heart rate of 75 bpm and a blood pressure of 109/50 mm Hg. Bilateral, diffuse submandibular gland enlargement and mild parotid gland enlargement were noted (Figure 1). Oral mucosa was dry without erythema, abscess, or ulcers. Contrast-induced acute sialadenitis (iodide mumps) was suspected on the basis of clinical presentation. Treatment with analgesics and dialysis led to complete resolution of submandibular gland swelling (Figure 2). She has had no recurrence of sialadenitis and has remained asymptomatic since discharge.

Figure 1. Diffuse, bilateral, symmetrical submandibular gland enlargement 1 day after angioplasty.

Figure 2. Resolution of submandibular gland enlargement after dialysis treatment 2 days after angioplasty.
Iodide Mumps: Acute Sialadenitis After Contrast Administration for Angioplasty
Vijay G. Kalaria, Renata Porsche and Ling S. Ong

*Circulation*. 2001;104:2384
doi: 10.1161/hc4401.097422

*Circulation* is published by the American Heart Association, 7272 Greenville Avenue, Dallas, TX 75231
Copyright © 2001 American Heart Association, Inc. All rights reserved.
Print ISSN: 0009-7322. Online ISSN: 1524-4539

The online version of this article, along with updated information and services, is located on the World Wide Web at:
http://circ.ahajournals.org/content/104/19/2384

Permissions: Requests for permissions to reproduce figures, tables, or portions of articles originally published in *Circulation* can be obtained via RightsLink, a service of the Copyright Clearance Center, not the Editorial Office. Once the online version of the published article for which permission is being requested is located, click Request Permissions in the middle column of the Web page under Services. Further information about this process is available in the Permissions and Rights Question and Answer document.

Reprints: Information about reprints can be found online at:
http://www.lww.com/reprints

Subscriptions: Information about subscribing to *Circulation* is online at:
http://circ.ahajournals.org//subscriptions/