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Y90-Radioembolization via variant hepatic arteries: Is there a relevant risk for non-



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Side Effects of Yttrium-90 Radioembolization

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4114299>

Jul 29, 2014 - Limited therapeutic options are available for **hepatic malignancies**. Image guided targeted therapies have established their role in management of primary and secondary **hepatic malignancies**. **Radioembolization** with **yttrium-90 (90Y)** microspheres is safe and efficacious for treatment of **hepatic**

Cited by: 61

Author: Ahsun Riaz, Rafia Awais, Riad Salem

Publish Year: 2014

90Y Hepatic Radioembolization: An Update on Current ...

jnm.snmjournals.org/content/56/7/1079.full

Jul 01, 2015 - As an established treatment modality for chemoresistant, unresectable **hepatic malignancies**, **radioembolization** has expanded its applications in recent years. **Radioembolization** is based on the administration of **90Y-loaded** microspheres in the arterial vasculature of the liver.

Author: Arthur J.A.T. Braat

Published in: **The Journal of Nuclear Medicine** - 2015

Authors: Arthur J A T Braat · Maarten L J Smits · Manon N G J A Braat · Andor F Van Den Hoven

Affiliation: Utrecht University

About: Technetium Tc 99m Aggregated Albumin · Radiometry · Yttrium Radioisotopes

Radioembolization: Is Prophylactic Embolization of ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4821864>

Introduction. Therefore, the purpose of this review is to evaluate the evidence of **prophylactic embolization** of **hepatoenteric arteries** (i.e. GDA, RGA, CA or HFA) to prevent **non-target** deposition of microspheres and subsequent complications in patients with **liver malignancies** undergoing **hepatic radioembolization**.

Cited by: 10

Author: Alicia S. Borggreve, Anadeijda J. E. M. C...

Publish Year: 2016

Complications Following Radioembolization with Yttrium-90 ...

<https://www.sciencedirect.com/science/article/pii/S1051044309005788>

Prophylactic embolization of the gastroduodenal artery (GDA) and right **gastric artery** is therefore recommended, particularly if resin microspheres are used (20, 21, 22). In cases of large peripherally located tumors, omental collateral vessels arising from the GDA may supply the tumor.

Cited by: 264

Author: Ahsun Riaz, Robert J. Lewandowski, Laur...

Publish Year: 2009

Name of Journal: *World Journal of Radiology*

Manuscript NO: 45624

Manuscript Type: ORIGINAL ARTICLE

Observational Study

Y90-radioembolization *via* variant hepatic arteries: Is there a relevant risk for non-target embolization?

Zimmermann M *et al.* Safety of Y90-radioembolization *via* aberrant hepatic arteries

Markus Zimmermann, Maximilian Schulze-Hagen, Federico Pedersoli, Peter Isfort, Alexander Heinzl, Christiane Kuhl, Philipp Bruners

Abstract

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Y90-radioembolization via variant hepatic arteries: Is there a relevant risk for non-t

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Side Effects of Yttrium-90 Radioembolization

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4114299>

Jul 29, 2014 - Coil embolization . Coil embolization of communicating vessels that may lead to aberrant microsphere deposition can be performed if necessary. The aberrant deposition of microspheres in the **gastrointestinal** tract (GIT) or pancreas can have grave consequences (16–18). Some vessels that may need to be coil embolized prior to treatment are: **gastroduodenal artery** (GDA), **right gastric artery** (RGA), accessory left **gastric artery**, **falciform artery**, **phrenic arteries**...

Cited by: 64

Author: Ahsun Riaz, Rafia Awais, Riad Salem

Publish Year: 2014

90Y Hepatic Radioembolization: An Update on Current ...

jnm.snmjournals.org/content/56/7/1079.full

Jul 01, 2015 - The common **hepatic artery** becomes the proper **hepatic artery**, after the **gastroduodenal artery** has branched off. The proper **hepatic artery** continues toward the hilar plate, where it splits into the right and left **hepatic arteries** . Anatomic **variants** of the **hepatic arterial** vasculature are common, and correct identification of these **variants** is essential as it may increase the risk of extrahepatic ...

Author: Arthur J.A.T. Braat

Published in: [The Journal of Nuclear Medicine](#) - 2015

Authors: [Arthur J A T Braat](#) · [Maarten L J Smits](#) · [Manon N G J A Braat](#) · [Andor F Van Den Hoven](#)

Affiliation: [Utrecht University](#)

About: [Yttrium Radioisotopes](#) · [Radiometry](#) · [Technetium Tc 99m Aggregated Albumin](#)

Yttrium-90 Radioembolization of Hepatic Metastases from ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4110696>

Jul 25, 2014 - Patient selection criteria for Yttrium-90 radioembolization of **hepatic** metastases from colorectal cancer. ... and to pro-actively exclude the **hepatic artery** branches (such as the **gastric** or **duodenal arteries**) that are at **risk** of non-targeted delivery of the microspheres. ... **There** was 13% incidence of duodenal/gastric ulcers from **non-target** ...

Cited by: 16

Author: Mihir Raval, Dinesh Bande, Dinesh Bande...

Publish Year: 2014