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**Research progress on the role of argon plasma coagulation in the treatment of esophageal varices**

Song Y *et al.* Argon plasma coagulation in esophageal varices

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### INTRODUCTION

Cirrhosis and portal hypertension can cause varicose veins in different parts of the digestive tract, of which esophageal varices (EV) are most common. EVs occur in 5% of cirrhotic patients without varicose veins after 1 year and 28% after 3 years, while 12% of patients with mild EV after 1 year and 31% after 3 years will progress to severe EV. It can be seen that during the process of liver cirrhosis, 50%-60% of patients will have EV<sup>[1-3]</sup>. EV rupture hemorrhage is a more common clinical critical illness and is featured as sudden onset, large amount of bleeding, rapid progress, and high mortality. It is a potentially fatal complication in patients with liver cirrhosis and the mortality rate is as high as 20%<sup>[3,4]</sup>. For patients with cirrhosis who have not been treated after diagnosis of

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## Argon plasma coagulation prevents variceal recurrence ...

<https://www.ncbi.nlm.nih.gov/pubmed/12297759>

In the **argon plasma coagulation** group, the entire **esophageal** mucosa 4 to 5 cm proximal to the esophagogastric junction was thermocoagulated circumferentially with **argon plasma coagulation** in 1 to 3 sessions performed at weekly intervals. Endoscopy was performed every 3 months to check for recurrence of **varices** in both groups.

**Cited by:** 88

**Author:** Livio Cipolletta, Maria Antonia Bianco, ...

**Publish Year:** 2002

## Argon plasma coagulation is effective for prevention of ...

<https://onlinelibrary.wiley.com/doi/full/10.1111/den.12538>

Aug 21, 2015 · Introduction. **Esophageal varices** develop in 50–60% of patients with liver cirrhosis as a manifestation of portal hypertension. 1-3 Furthermore, hemorrhaging from **esophageal varices** is a potentially lethal complication in such patients, with mortality rates reported as  $\geq 20\%$  at 6 weeks after the initial discovery of bleeding. 4, 5 Endoscopic injection sclerotherapy (EIS) is an ...

**Cited by:** 9

**Author:** Hisanobu Deguchi, Jun Kato, Yoshimas...

**Publish Year:** 2016

## (PDF) The role of argon plasma coagulation in the ...

[https://www.researchgate.net/publication/228477364\\_The\\_role\\_of\\_argon\\_plasma...](https://www.researchgate.net/publication/228477364_The_role_of_argon_plasma...)

**argon plasma coagulation (APC)** for **treatment of patients** with BE in Egypt are still limited. This article discusses the efficacy and safety of **APC** as a thermoablative modality in Egyptian ...

## Argon plasma coagulation for superficial squamous cell ...

[https://www.researchgate.net/publication/340146864\\_Argon\\_plasma\\_coagulation\\_for...](https://www.researchgate.net/publication/340146864_Argon_plasma_coagulation_for...)

We present 19 cases in which **argon plasma coagulation (APC)** was used as curative initial **treatment** for 5 low-grade **esophageal** squamous intraepithelial neoplasias ...

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## [Argon plasma coagulation is effective for prevention of ...](https://pubmed.ncbi.nlm.nih.gov/26295791)

<https://pubmed.ncbi.nlm.nih.gov/26295791>

Background and aim: **Esophageal varices** are usually treated with endoscopic injection sclerotherapy (EIS) or endoscopic band ligation (EBL). However, frequent recurrences of **varices** after those procedures have been problematic. **Argon plasma coagulation** (APC) after EIS may be effective for preventing varix recurrence and, in recent years, we have routinely carried out APC after EIS.

**Cited by:** 10**Author:** Hisanobu Deguchi, Jun Kato, Yoshimasa M...**Publish Year:** 2016

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## [Study to Evaluate Eradicating Barrett's Esophagus Using ...](https://www.mayo.edu/research/clinical-trials/cls-20467293)

<https://www.mayo.edu/research/clinical-trials/cls-20467293> ▾

Apr 23, 2020 · Learn more about services at **Mayo Clinic**. About this study. The purpose of this study is to investigate if Hybrid **Argon Plasma Coagulation** (HAPC) is non-inferior to Radiofrequency Ablation (RFA) in the stricture-free eradication of the dysplastic Barrett's Esophagus (BE) epithelium.

## [Endoscopic treatment of esophageal varices in patients ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC25278695)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC25278695>

Sep 28, 2014 · Argon plasma coagulation (APC) has been used in the management of **esophageal varices**. A prospective trial randomly assigned patients with **esophageal varices** to either APC (after EVL) or EVL alone[ 61 ].

**Cited by:** 21**Author:** Christos Triantos, Maria Kalafateli**Publish Year:** 2014



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## [Argon plasma coagulation is effective for prevention of ...](https://pubmed.ncbi.nlm.nih.gov/26295791)

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Background and aim: **Esophageal varices** are usually treated with endoscopic injection sclerotherapy (EIS) or endoscopic band ligation (EBL). However, frequent recurrences of **varices** after those procedure...

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<https://www.ncbi.nlm.nih.gov/pubmed/26295791>

**Argon plasma coagulation** is effective for prevention of recurrent **esophageal varices** after endoscopic injection sclerotherapy: Single-center case-control study. Deguchi H(1), Kato J, Maeda Y, Moribata K,...

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Author: Hisanobu Deguchi, Jun Kato, Yoshimasa M...

Publish Year: 2016

## [Argon plasma coagulation for superficial esophageal ...](https://europepmc.org/articles/PMC3471110)

[europepmc.org/articles/PMC3471110](https://europepmc.org/articles/PMC3471110)

Several studies have reported that argon plasma coagulation (APC) is useful for the management of Barrett's **esophagus**, Barrett's **esophageal cancer** and **early gastric cancer**[17,18], but few studies have...

## [Argon Plasma Coagulation for the Treatment of Colonic Varices](https://www.researchgate.net/publication/11214208...)

<https://www.researchgate.net/publication/11214208...>

Download Citation | **Argon Plasma Coagulation** for the **Treatment** of Colonic **Varices** | Various individually tailored endoscopic **treatment** modalities have been described for bleeding colorectal **varices**.

## [\[PDF\] Argon plasma coagulation is effective for prevention of ...](https://www.onlinelibrary.wiley.com/doi/pdf/10.1111/den.12538)

<https://www.onlinelibrary.wiley.com/doi/pdf/10.1111/den.12538>

after **treatment** has remained problematic, with reported recur-rence rates of 11–24%. For those patients, retreatment with EIS is needed.8–10 **Argon plasma coagulation** (APC) is a non-contact **coagu-lation**...

Cited by: 10

Author: Hisanobu Deguchi, Jun Kato, Yoshimasa M...

Publish Year: 2016

## Argon Plasma Coagulation



Argon plasma coagulation (APC) is a medical endoscopic procedure used to control bleeding from certain lesions in the gastrointestinal tract and to debulk tumours for which surgery is not recommended. It is administered during esophagogastroduodenoscopy or colonoscopy.

 Wikipedia

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