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Thus, slime production is closely **related** to **biofilm** establishment, and it can be ... Enterococci are known for **their** acquired multidrug resistance, and the recent ... of AS genes and the ability to **adhere** to Caco-2 cells and to produce **biofilms**. ... contamination is a **major factor** in the pathogenesis of **stent occlusion** (2, 25, 28).

[Plastic Biliary Stent Occlusion: Factors Involved and Possible ...](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1855334/)<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1855334/>

**Factors** and mechanisms **involved** in plastic stent clogging arising from ... However, late stent **occlusion**, the **major** complication with **biliary stents**, occurs in a ... In addition to microbial colonization and duodenal reflux of food **constituents** (e.g., ... to **adhere** to in vitro cultured cells and to produce **biofilm**, as well as **their** ...

[Mechanisms of Biliary Plastic Stent Occlusion and Efforts at Prevention](https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4821514/)<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4821514/>

22 Mar 2016 ... Keywords: Stents, Biliary tract, **Occlusion**, Patency, **Biofilms** ... The **main** disadvantage of plastic stents is **their** limited diameter. ... efforts and **related** studies to improve stent patency, and **potential** new ... Donelli G, Guaglianone E, Di Rosa R, Fiocca F, Basoli A. Plastic **biliary stent occlusion: factors involved** ...

[Emilio Guaglianone's scientific contributions in Microbial Biofilms ...](https://www.researchgate.net/scientific.../39888650_Emilio_Guaglianone)[https://www.researchgate.net/scientific.../39888650\\_Emilio\\_Guaglianone](https://www.researchgate.net/scientific.../39888650_Emilio_Guaglianone)

Article: Emerging role of *Enterococcus* spp in catheter-**related** infections: **Biofilm** ... Although **their** virulence is relatively low, recently enterococci have emerged as ... presence of aggregation substance genes, and ability to **adhere** to Caco-2 cells, ... Article: Plastic **Biliary Stent Occlusion: Factors Involved** and Possible ...

[Device-Associated Infections: A Macroproblem ... - Oxford Academic](https://academic.oup.com/.../Device-Associated-Infections-A-Macroproblem-that)<https://academic.oup.com/.../Device-Associated-Infections-A-Macroproblem-that>

Device-associated infections can cause **major** medical and economic ... **related**, 87% of cases of bloodstream infection originate from an **indwelling** ... (2) address the **potential** impact of bacterial colonization on device function; ... Ultrastructural examination of the **biofilm** that usually blocks **biliary stents**, and requires **their**

**Name of Journal:** *World Journal of Gastroenterology*

**Manuscript NO:** 36468

**Manuscript Type:** ORIGINAL ARTICLE

*Prospective Study*

**Characterization of biofilms in biliary stents and potential factors involved in occlusion**

Chetana Vaishnavi, Jayanta Samanta, Rakesh Kochhar

**Abstract**

**AIM**

To quantify the components in biofilms and analyze the predisposing factors involved in occlusion of biliary stents.

**METHODS**

In a prospective study conducted from April 2011 to March 2014 at a tertiary care hospital, all consecutive patients who required endoscopic biliary stent

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## Mechanisms of Biliary Plastic Stent Occlusion and Efforts at Prevention

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2016年3月22日 - Removed biliary plastic stents evaluated by longitudinal sectioning show a less than 0.5-mm-thick inner layer of biofilm; the occlusion is mostly caused by debris, ..... Donelli G, Guaglianone E, Di Rosa R, Fiocca F, Basoli A. Plastic biliary stent occlusion: factors involved and possible preventive approaches.

## Plastic Biliary Stent Occlusion: Factors Involved and Possible ...

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作者 : G Donelli - 2007 - 被引用次数 : 111 - 相关文章

Factors and mechanisms involved in plastic stent clogging arising from epidemiological, clinical and experimental data, as well as the possible strategies to prevent biliary stent failure, will be reviewed and discussed. Keywords: Biliary stent, Cholangitis, Endoscopic insertion, Microbial biofilm, Prevention, Stent occlusion.

缺少字词 : potential

## The ISME Journal - Characterization of the complex bacterial ... - Nature

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作者 : BK Scheithauer - 2009 - 被引用次数 : 13 - 相关文章

2009年4月9日 - However, the positioning of biliary stents results in the disruption of the sphincter of Oddi and microbial contamination through an ascending infection by duodenal biliary reflux (Sung et al., 1992). The major limitation of stent therapy is stent occlusion by a microbial biofilm (Donelli et al., 2007; Nocker et al., ...

## Biliary Endoprosthesis: A Prospective Analysis of Bacterial ... - PLOS

[journals.plos.org/plosone/article?id=10.1371/journal.pone.0110112](http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0110112) ▼ 翻译此页

作者 : J Schneider - 2014 - 被引用次数 : 16 - 相关文章

2014年10月14日 - Bacterial colonization of biliary stents is one of the driving forces behind sludge