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Basic Study

Near-infrared photoimmunotherapy of pancreatic cancer using an indocyanine green-labeled anti-tissue factor antibody

Aung W *et al.* PIT of pancreatic cancer with TF-ICG

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Abstract

AIM

To investigate near-infrared photoimmunotherapeutic effect mediated by an anti-tissue factor (TF) antibody conjugated to indocyanine green (ICG) in a pancreatic cancer model.

METHODS

Near-infrared photoimmunotherapy (NIR-PIT) is a highly selective tumor treatment that utilizes an antibody-photosensitizer conjugate administration, followed by NIR light exposure. Anti-TF antibody 1849-ICG conjugate was synthesized by labeling of rat IgG_{2b} anti-TF monoclonal antibody 1849 (anti-TF

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Near Infra-Red Photoimmunotherapy with Anti-CEA-IR700 ... - PLOS

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone...> [▼ 翻译此页](#)

作者: AA Maawy - 2015 - 被引用次数: 19 - 相关文章

2015年3月23日 - In the orthotopic models of **pancreatic cancer**, the **anti-CEA-IR700** ...**Photoimmunotherapy** (PIT) of cancer utilizes tumor-specific monoclonal **antibodies conjugated** to a ... which becomes cytotoxic upon irradiation **with near infrared** light. ... **with BxPC-3 pancreatic tumors** expressing **green** fluorescent protein ...缺少字词: `indocyanine`

Tumor-Specific Labeling of Pancreatic Cancer Using a Humanized ...

<https://www.ncbi.nlm.nih.gov/pubmed/29372363> - [翻译此页](#)

作者: TM Lwin - 2018 - 被引用次数: 5 - 相关文章

2018年1月25日 - Tumor-Specific **Labeling** of **Pancreatic Cancer** Using a Humanized **Anti-CEA Antibody Conjugated** to a **Near-Infrared** Fluorophore. ... **with green** fluorescent protein-labeled tumors in an orthotopic pancreatic ... The longer wavelength allowed deeper **tissue** penetration, particularly in tumor areas covered **by** ...缺少字词: `photoimmunotherapy indocyanine factor`

Near infra-red photoimmunotherapy with anti-CEA-IR700 ... - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pubmed/25799218> [▼ 翻译此页](#)

作者: AA Maawy - 2015 - 被引用次数: 19 - 相关文章

2015年3月23日 - **Near** infra-red **photoimmunotherapy with anti-CEA-IR700** results in ... in tumor burden in orthotopic mouse models of **pancreatic cancer**. ... **Photoimmunotherapy** (PIT) of cancer utilizes tumor-specific monoclonal **antibodies conjugated** to a ... which becomes cytotoxic upon irradiation **with near infrared** light.缺少字词: `indocyanine tissue factor`

The development of fluorescence guided surgery for pancreatic cancer

<https://www.tandfonline.com/doi/full/10.1080/14737140.2018.1477593> - [翻译此页](#)

作者: TM Lwin - 2018 - 相关文章

Fluorophore selection **and near infrared** wavelengths. 4. KEYWORDS: **Pancreatic cancer**

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Near infrared photoimmunotherapy targeting prostate cancer with ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5581714/> - [翻译此页](#)

2017年6月6日 - Furthermore, NIR-PIT with the anti-PSMA-IR700 antibody is a promising ...

Keywords: near infrared photoimmunotherapy, PSMA, prostate cancer, ... head and neck cancer targeting epidermal growth factor receptor (EGFR) was in normal tissue and minimal binding to non-target expressing cells.

Near infrared photoimmunotherapy with an anti-mesothelin antibody

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5029632/> - [翻译此页](#)作者: T Nagaya - 2016 - 被引用次数: 20 - [相关文章](#)

2016年3月10日 - The hYP218 antibody was conjugated to a photo-absorber, IR700 and ... Near infrared photoimmunotherapy (NIR-PIT) is a newly developed or peritoneal mesothelioma or pancreatic tumor while the tissues are still with serum mesothelin, megakaryocyte potentiating factor, and cancer antigen 125.

缺少字词: indocyanine

Near-infrared Theranostic Photoimmunotherapy (PIT): Repeated ...

<pubs.acs.org/doi/abs/10.1021/bc200648m> - [翻译此页](#)作者: M Mitsunaga - 2012 - 被引用次数: 102 - [相关文章](#)

2012年2月27日 - Sensitive Detection of Transcription Factors Using Near-Infrared Fluorescent Photoimmunotherapy lowers recurrence after pancreatic cancer ... tissues and tumors using antibodies conjugated with a near infrared phthalocyanine ... Dynamic fluorescent imaging with indocyanine green for monitoring the ...

The development of fluorescence guided surgery for pancreatic cancer

<https://www.tandfonline.com/doi/full/10.1080/14737140.2018.1477593> - [翻译此页](#)作者: TM Lwin - 2018 - 被引用次数: 2 - [相关文章](#)

Fluorophore selection and near-infrared wavelengths. 4. ... KEYWORDS: Pancreatic cancer, fluorescence-guided surgery, antibodies, or Oregon-Green) in labeling orthotopic and peritoneal dissemination mouse antibodies and anti-vascular epidermal growth factor (VEGF) antibodies are Indocyanine green (ICG).

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Fluorescence-Guided Surgery - NCBI - NIH

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作者: T Nagaya - 2017 - 被引用次数: 9 - 相关文章

2017年12月22日 - Sentinel lymph node mapping, Breast cancer, Indocyanine green (ICG) Near infrared ICG-guided SNL mapping has been performed in various in pancreatic cancer and colorectal cancer conjugated to a green ... This trial utilizes the anti-EGFR antibody conjugate, cetuximab-IRDye800CW for use in ...

Near infrared photoimmunotherapy targeting prostate cancer with ...

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Near-infrared Theranostic Photoimmunotherapy (PIT): Repeated ...

pubs.acs.org/doi/abs/10.1021/bc200648m - 翻译此页

作者: M Mitsunaga - 2012 - 被引用次数: 102 - 相关文章

2012年2月27日 - Sensitive Detection of Transcription Factors Using Near-Infrared Fluorescent Photoimmunotherapy lowers recurrence after pancreatic cancer ... tissues and tumors using antibodies conjugated with a near infrared phthalocyanine ... Dynamic fluorescent imaging with indocyanine green for monitoring the ...

Near-infrared photothermal/photodynamic therapy with indocyanine ...

<https://www.nature.com/scientific-reports/articles> - 翻译此页

作者: C Shirata - 2017 - 被引用次数: 13 - 相关文章

2017年10月24日 - Indocyanine green (ICG) is a photothermal agent, photosensitizer, and ... (PDT) using ICG and near-infrared (NIR) laser as a new anti-cancer ...

Near Infra Red Photoimmunotherapy with Anti-CEA-IR700 Results in ...

<https://www.google.com/search?q=Near+infrared+photoimmunotherapy+of+pancreatic>