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1 Novartis NEN

| | Novartis | Novartis |
|--|--|----------------|
| Novartis ^{1,2} | <ul style="list-style-type: none"> Novartis 92% 51% 38% Novartis 43% 23% | Novartis NIPHS |
| Novartis ^{1,2} Zollinger-Ellison | <ul style="list-style-type: none"> Novartis 26 98 Novartis 0 56 Novartis 71 93 Novartis 17 73 Novartis 8 75 | Novartis G |
| Novartis ^{1,2} | <ul style="list-style-type: none"> Novartis 22 90 Novartis 14 18 Novartis 54 90 | Novartis |

VIP
WDHA^{1,2}

- 89% 100%
- 67% 100%
- 44% 100%
- 14% 33%

| | | |
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| <p>^{1,3}</p> | <ul style="list-style-type: none"> • 58% 100% • 45% 96% • 3% 18% • 14% 41% | |
|-----------------------|--|--|

NIPHS: non-insulinoma pancreatogenous hypoglycemia syndrome, WDHA: watery diarrhea hypokalemia achlorhydria

1 Ito T, Jensen R. Expert Opin Pharmacother. 2021; 22: 685-693.

2 . 2014; 111: 2263-2271.

3 Khan MS, et al. World J Gastroenterol. 2020; 26: 4537-4556.

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NEN
US CEUS CT MRI
CT MRI US EUS SRS
SASI test PET/CT 2 US CT MRI FDG-PET/CT SRS

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| □□□□□□□□ | <ul style="list-style-type: none"> • CT/MRI • US • EUS/EUS-FNA • SASI test |
| □□□□□□□□ | <ul style="list-style-type: none"> • CT/MRI • US • /EUS • SASI test • EUS-FNA • SRS |

胃腸神経内分泌腫瘍
 • CT/MRI
 • US
 • 胃腸鏡/EUS
 • SASI test
 • SRS
 • ⁶⁸Ga-DOTATOC PET/CT

MEN1/VHL
 • CT/MRI
 • EUS/EUS-FNA
 • SASI test
 • SRS

膵臓神経内分泌腫瘍
 • CT/MRI
 • US
 • EUS/EUS-FNA
 • SRS

下垂体神経内分泌腫瘍
 • 造影剤造影
 • 経鼻的EUS-FNA

甲状腺神経内分泌腫瘍
 • CT/MRI
 • US
 • FDG-PET/CT
 • SRS

SASI: selective arterial secretagogue injection, US: ultrasonography, EUS: endoscopic ultrasonography, EUS-FNA: endoscopic ultrasound-guided fine needle aspiration, PET: positron emission tomography

膵臓神経内分泌腫瘍の診断と治療の最新動向. 膵臓神経内分泌腫瘍NENの診断と治療の最新動向, 膵臓神経内分泌腫瘍
 JNETS, 膵臓, 膵, 2019.

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NENのNET G1/G2、NEC、MiNENの診断と治療の最新動向
 NENのWHO 2019の診断と治療の最新動向、Ki-67の診断と治療の最新動向 [NENの診断と治療の最新動向](#)
[膵臓神経内分泌腫瘍](#)

膵臓神経内分泌腫瘍

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