

Doctor in Antarctica

OA Dr. Stibor B.

ICU, Landesklinikum Baden bei Wien, Austria

University of applied Sciences

Hochschule Campus Wien, Austria

the ultimate adventure

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ANTARCTICA

- 14.200.000 km²
- 99,97% ice sheet Ø1,9km
- the coldest, windiest, and driest continent

Johann Gregor Mendel Czech Antarctic Station

Masaryk University is the only university in the world to sponsor the national research programme in Antarctica. Since 2007, it has owned and operated the research station on Ross Island, near the northernmost tip of the Antarctic Peninsula.

[More about the station](#)



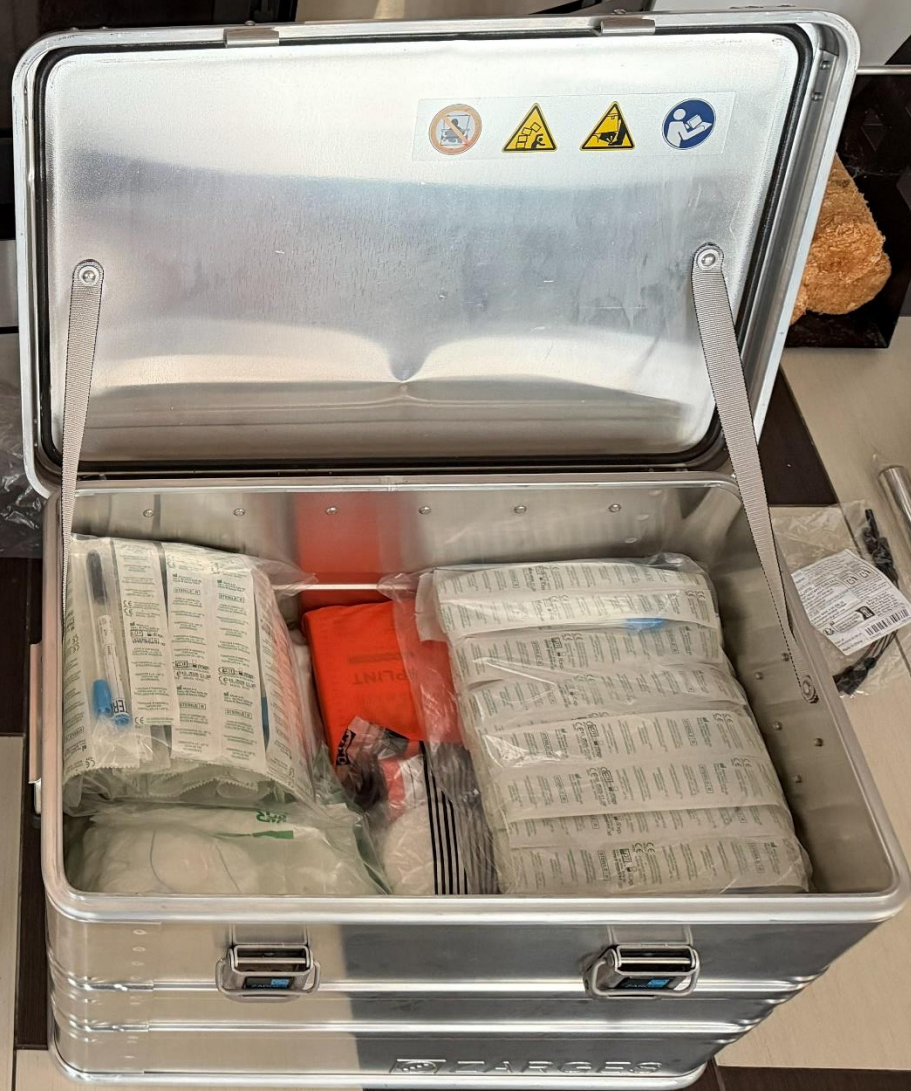
James Ross Island



James Ross Island

team

- **15 scientists** (*microbiology, glaciology, climatology, meteorology, geology, plant physiology, ...*)
- **1 physician** (*medical care, medical research*)
- **2 technicians** (*absolutely everything*)







transport





Brno
Vienna
Madrid

Santiago
de Chile

Punta Arenas

ALMIRANTE VIEL











***doctor's
duties***

physician

- **pre-** and **post-expedition** examinations (*Finapres, ergometry, MRI, densitometry, bioimpedance, ...*)
- all **medical care** (internal, surgical)
- medical **research**
- quality of **food** and **drinking water**
- **24/7** (*satellite phone, in field, camping; Starlink*)
- **deputy head** of the expedition
- **polar stations: Artigas** (Uruguay), **Frei** (Chile), military ship **Janequeo** (Chile), military ship **Sargento Aldea** (Chile), **Refugium** (Argentina), **Great Wall** (China), **Bellingshausen** (Russia), **Escudero** (Chile), ...



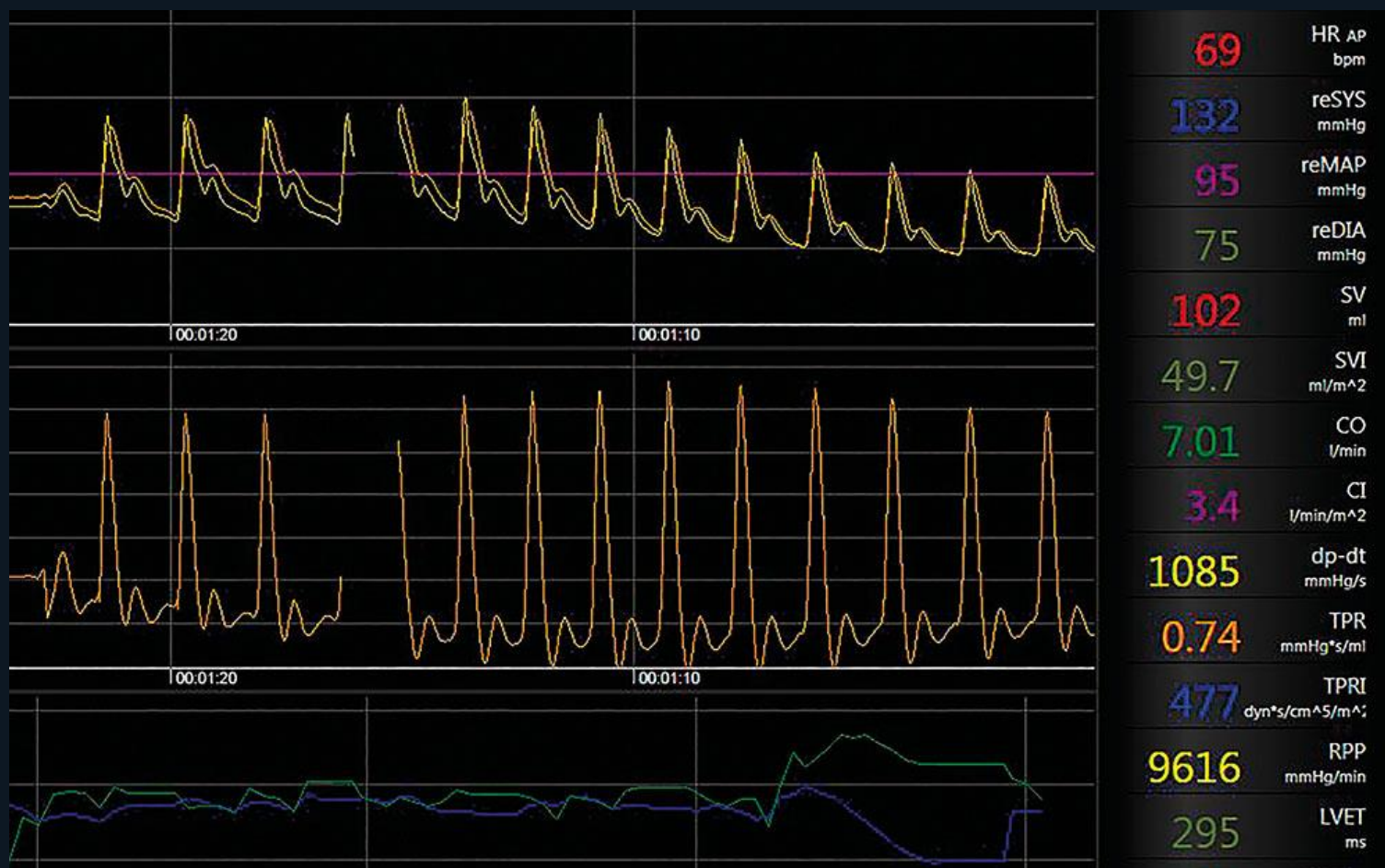


- as a medical you are really **alone**
- no **complement** (*x-ray, CT, MRI, lab, ...*)
- no others **specialities**
- no **emergency** background
- no **hospital** background
- **evacuation** possible (*Chilean Navy; in 72 hrs*)

you know what to do, but you can't

***vědecký
program***

- I. vyšetření hemodynamiky a změn regulace autonomního nervového systému a složení tělesných tkání
- II. mykologický výzkum
- III. farmaceutický výzkum





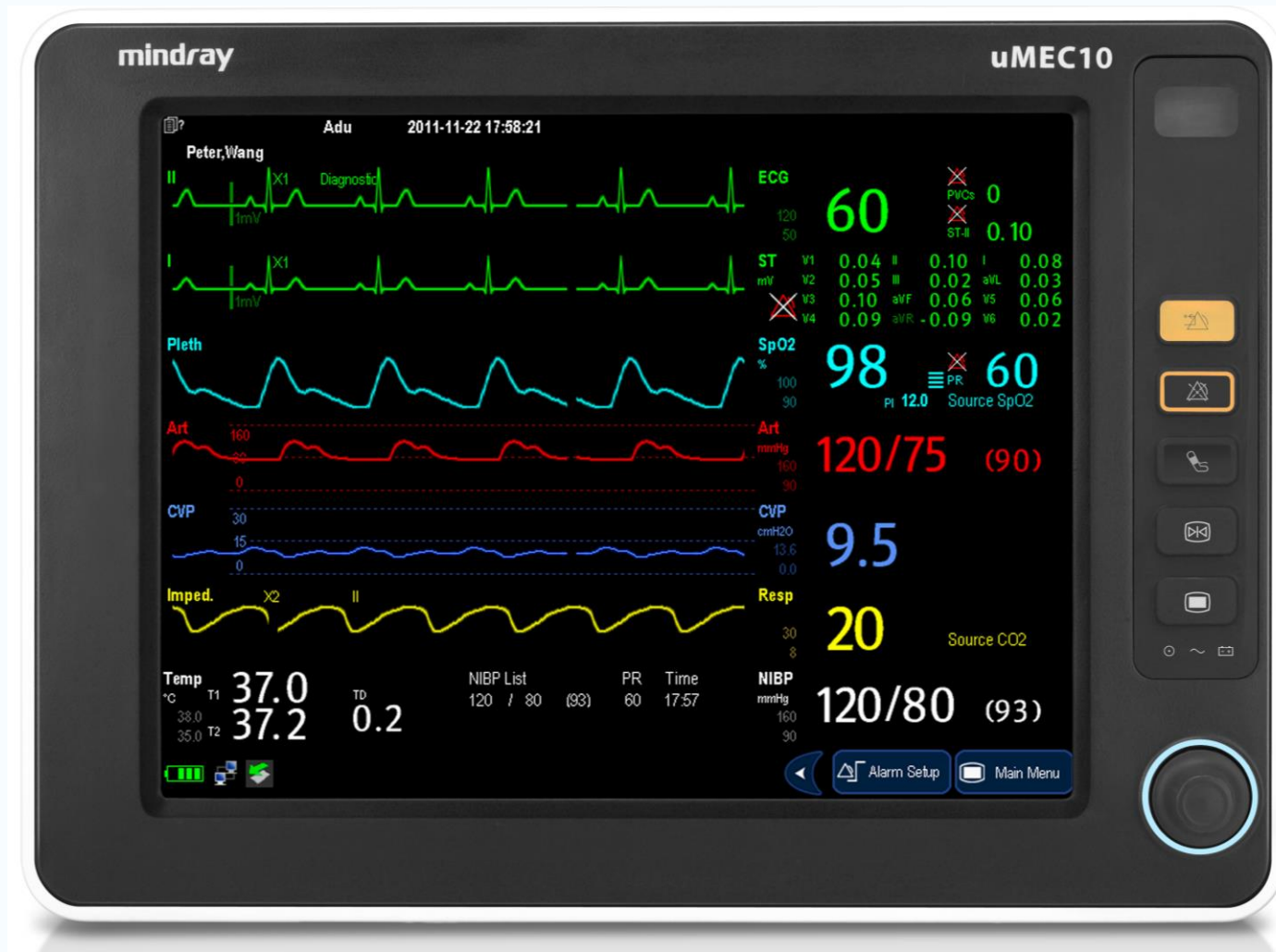
a new medical equipment



Banana boxes



a new medical equipment



fa Mindray, monitor uMec10

a new medical equipment



fa Mindray, defibrilator BeneHeart C1A

a new medical equipment



fa Mindray, Compact Ultrasound System MX3

a new medical equipment



fa Dräger, ventilator Savina 300





with permission









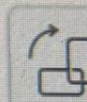
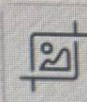
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降噪

—

重新处理

详



food













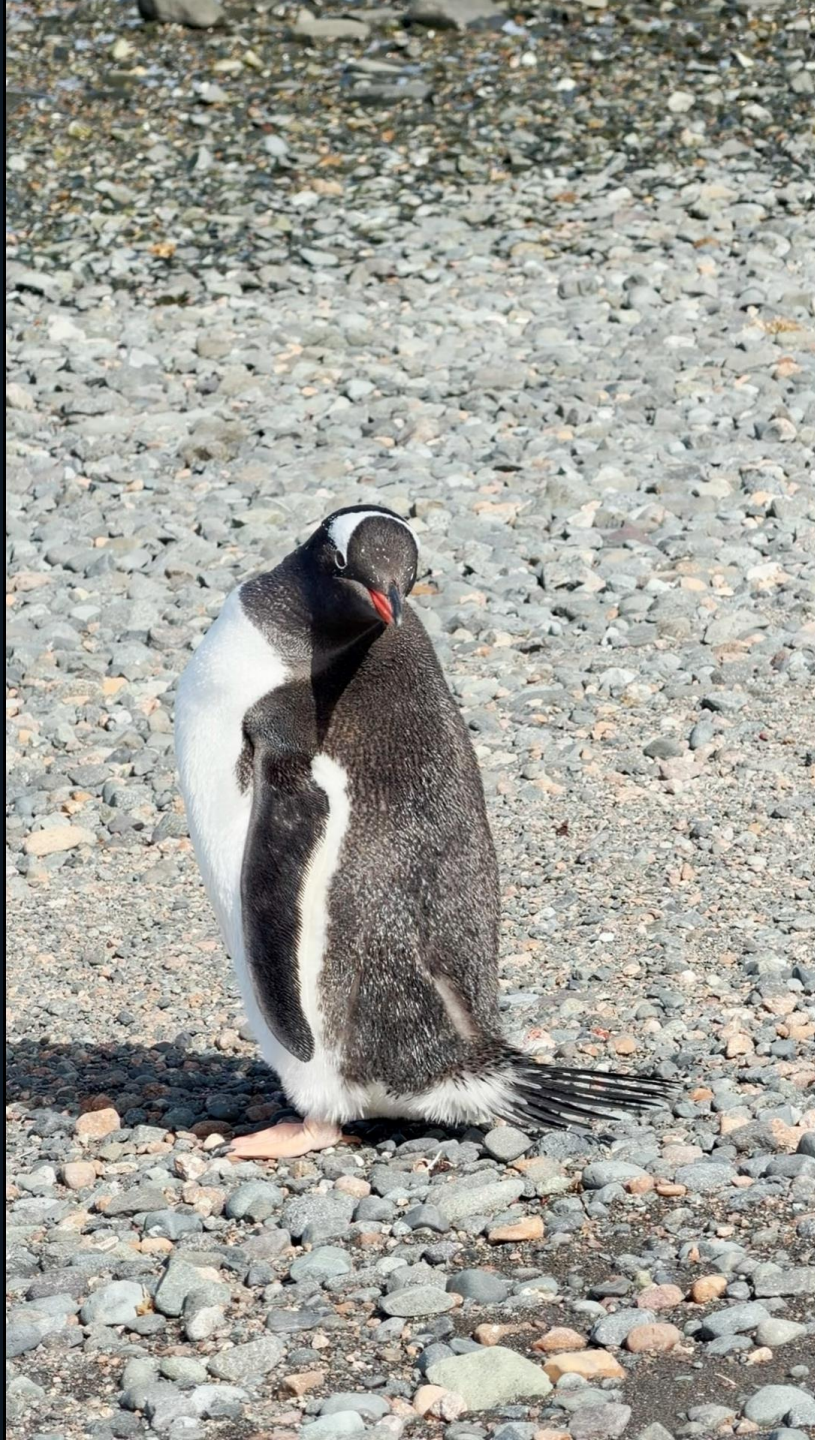






landscape









*Pygoscelis
antarctica*









See-Elephant













-3°C (*water temperature*)





















Johann Gregor Mendel **Czech antarctic station**





Berry Hill











Bibby Hill

Brandy Bay

Whisky Bay





Lake under the Berry Hill















Sola, Australia















Ben Wallis

†12.3.2026

Qualifications

- GMDSS, Global Marine Distress Signal Systems Certificate
- MCA HELM Human Element Leadership and Management – Operational Certificate
- RYA/ MCA Ocean Yachtmaster, commercially endorsed
- PTGA Polar Tourism Guides Association – Senior Polar Guide Certificate
- STCW 2010 including Personal Survival Techniques, Fire Prevention and Fire Fighting, Personal Safety and Responsibilities, Elementary First Aid, Proficiency in Security Awareness
- FREC3 medical training
- PADI Open Water diver

Experience

- Voyages to Antarctica – since 1997
- Voyages to South Georgia & South Sandwich Islands– since 2000
- 2 Sydney to Hobart Races
- Voyages in Greenland – since 2008
- Voyages in Canada – since 2008
- 2 Voyages to Ross Sea
- 2 Macquarie Island
- 2 New Zealand Sub-Antarctic
- Full length trip of the Chilean Channels from Ushuaia to Valdivia.
- Diego Ramirez & Ildefonso Islands – since 2000
- Cape Horn & the Beagle Canal – since 1997
- Darwin – Northern Australia to Lakes Entrance – Victoria – 2003
- Sailing in Tahiti / Society Islands
- Australia – since ever









An aerial photograph of two whales in the deep blue ocean. The whale on the left is dark and mostly submerged. The whale on the right is lighter, possibly a humpback, and has a large, white, misty blow of water coming from its blowhole. The water is textured with small waves and ripples.

antarctica 2025

...děkuji za pozornost

