

# Antimikrobiální terapie sepsy

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Oddělení infekčních nemocí KNL

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# SEPSE

- 20-75% mortality
- 15% misdg.
- není to dg.

- **lokalizace/etiologie/rozsa**

World Systems Unit is supporting the delivery of patient centered care for sepsis patients through the following tools:

## Early recognition



### Prehospital care (coming soon)

Early recognition and care for sepsis begins in the community. The WHO Community First Aid Response training for non-health professionals and the WHO Prehospital Toolkit for ambulance providers highlight signs and symptoms of severe infection for rapid recognition of sepsis. Ambulance protocols within the Prehospital Toolkit provide structured guidance for early interventions for sepsis care and for management of septic shock.



### Interagency Integrated Triage Tool

The Interagency Integrated Triage Tool (IITT) is a multi-agency triage tool developed by WHO, the International Committee of the Red Cross, and Médecins Sans Frontières and offers an objective approach to patient prioritization to save the maximum number of lives by sorting patients according to their acuity. Patient presentations of sepsis and septic shock - in both adults and children - are flagged as the highest-level priority, requiring immediate intervention to help ensure the best outcomes.

## Resuscitation and early antibiotic administration



### Resuscitation Area Designation

The guidance on Resuscitation Area Designation describes a standardized approach to organizing resuscitation areas and keeping essential resources close at hand, ensuring the sickest patients in the emergency unit - including sepsis patients - are clearly identified and receive needed care.



### WHO/ICRC Basic Emergency Care Course

The WHO/ICRC Basic Emergency Care course (BEC) is an open access learning program for first contact health workers who manage acute illness and injury with limited resources. The BEC teaches a systematic approach to the initial assessment and management of time-sensitive conditions focusing on provision of life-saving interventions for patients presenting with trauma, difficulty in breathing, shock, or altered mental status. Implementation of the BEC has shown a remarkable improvement in patient outcomes, including for acute infections, in numerous settings. Early recognition, resuscitation and antibiotics for patients with sepsis and septic shock is emphasized throughout the course materials.



Section	Content
B	Basic Emergency Care Course
C	WHO/ICRC Basic Emergency Care Course

# Víme co je „sepse“?



Professional narrative definition of Sepsis:  
'Sepsis-3'



'Sepsis is characterised by a life-threatening organ dysfunction due to a dysregulated host response to infection.'



Lay definition of sepsis: the Merinoff definition



'Sepsis is a life-threatening condition that arises when the body's response to an infection injures its own tissues and organs.'



1. definice, triage (screening)
2. potvrzení (klinika + risk F)
3. orgánová dysfunkce
4. **terapie (oběh + ATB)**
5. selhávání th – septický šok



# Lokalizace

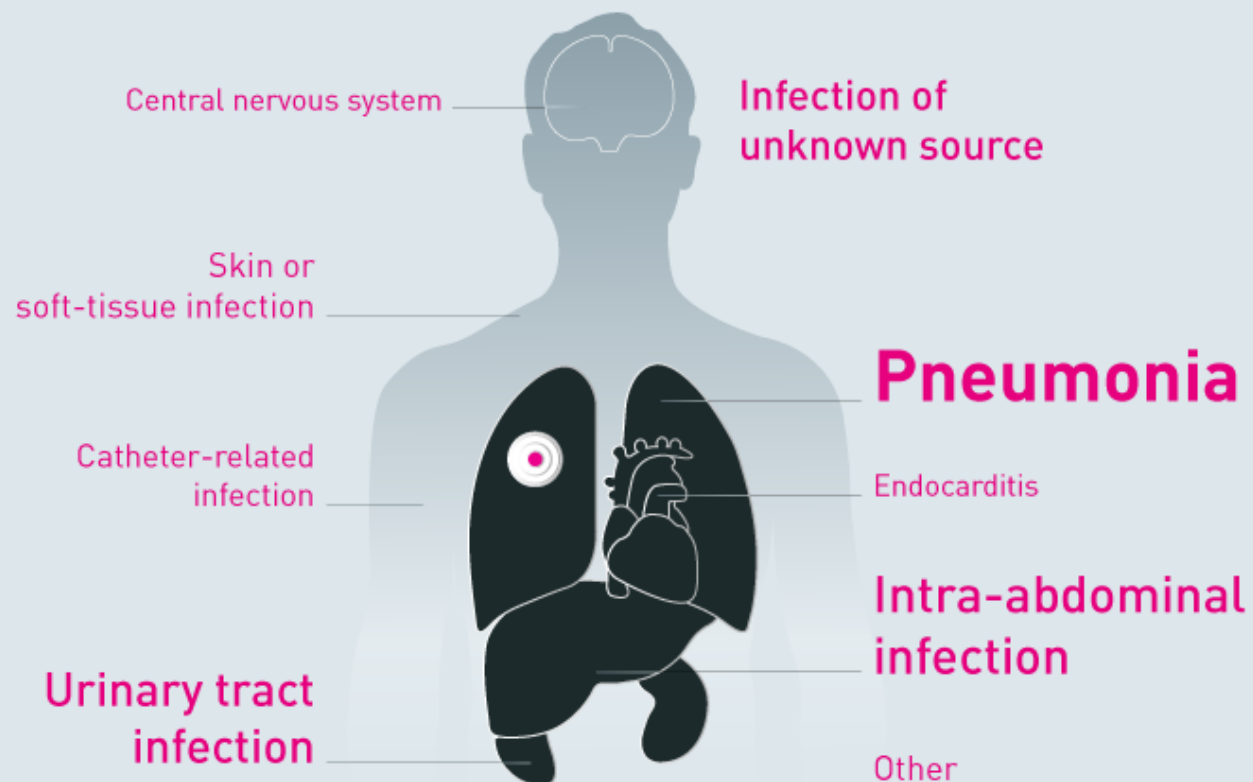
- pneumonie (40%)
- urotrakt (20%)
- nitrobřišní (15%)
- kůže/měkké tkáně (10%)

**Sepsis:**

**Sources of sepsis**



The most common sources of sepsis are:



# Pneumonie

- cefotaxim 8-12g/den
- klaritromycin 500mg á 12h
  
- ampicilin 12-24g/den ()



Pneumonia is the #1  
underlying cause of  
sepsis deaths globally.\*

Join us on World Sepsis Day as we unite  
and raise awareness to help  
#StopSepsis.

\*Ruoco et al, Global, regional, national sepsis incidence and mortality,  
The Lancet 2020

pattern

# Intraabdominální původ

- co-aminopenicilin 8-12g/D
- gentamicin 7..5..3mg/kg/D

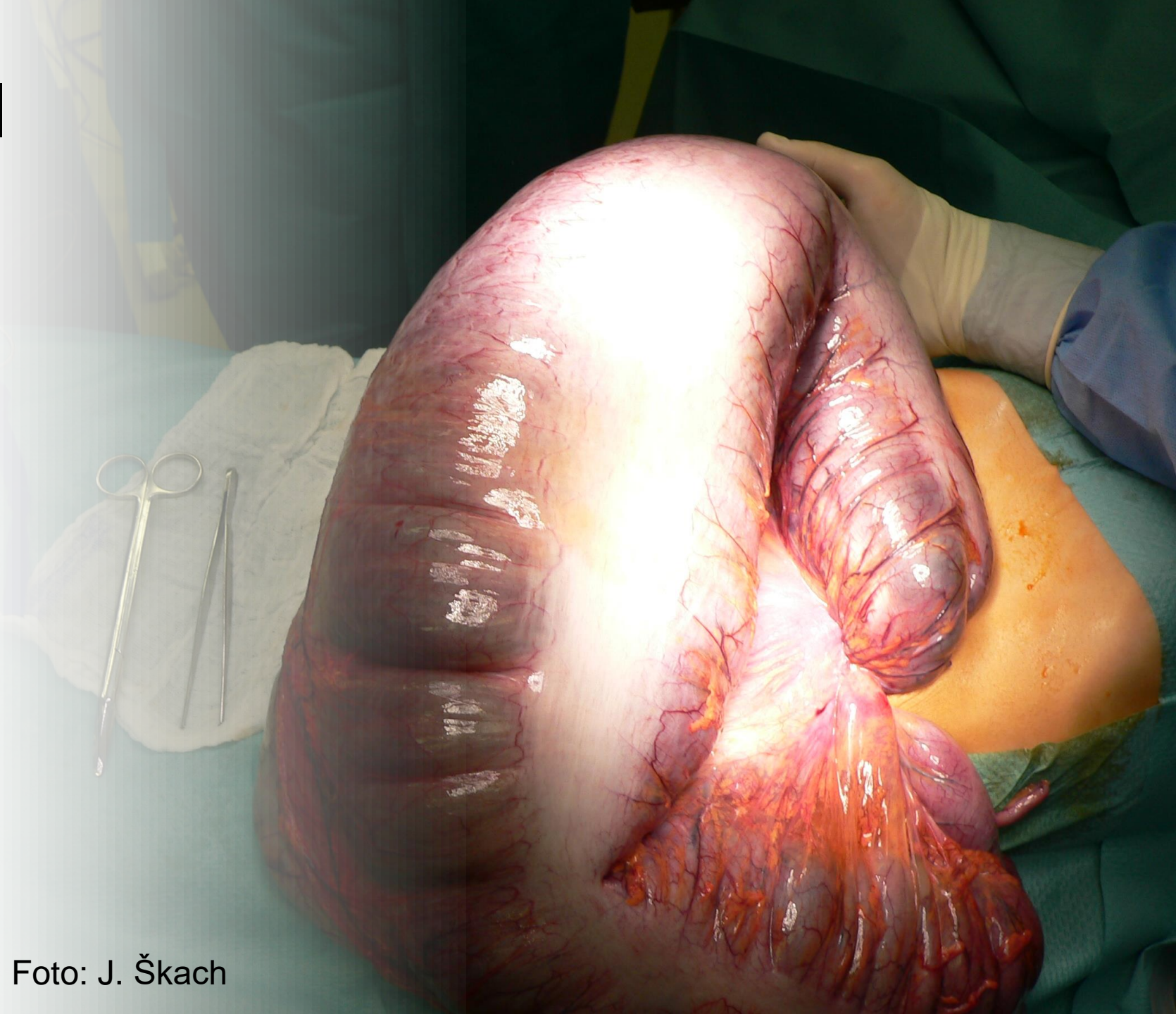


Foto: J. Škach



# Urosepse

- ampicilin
- gentamicin
  
- cefotaxim



# Kůže/měkké tkáně

- penicilin 18-? MIU/D
- oxacilin 12-18g/D (flukloxacilin 8-12g/den)
- dia noha (OXA+GEN nebo AIN)
- nekrotizující fasciitida (PEN+KLI+GEN)



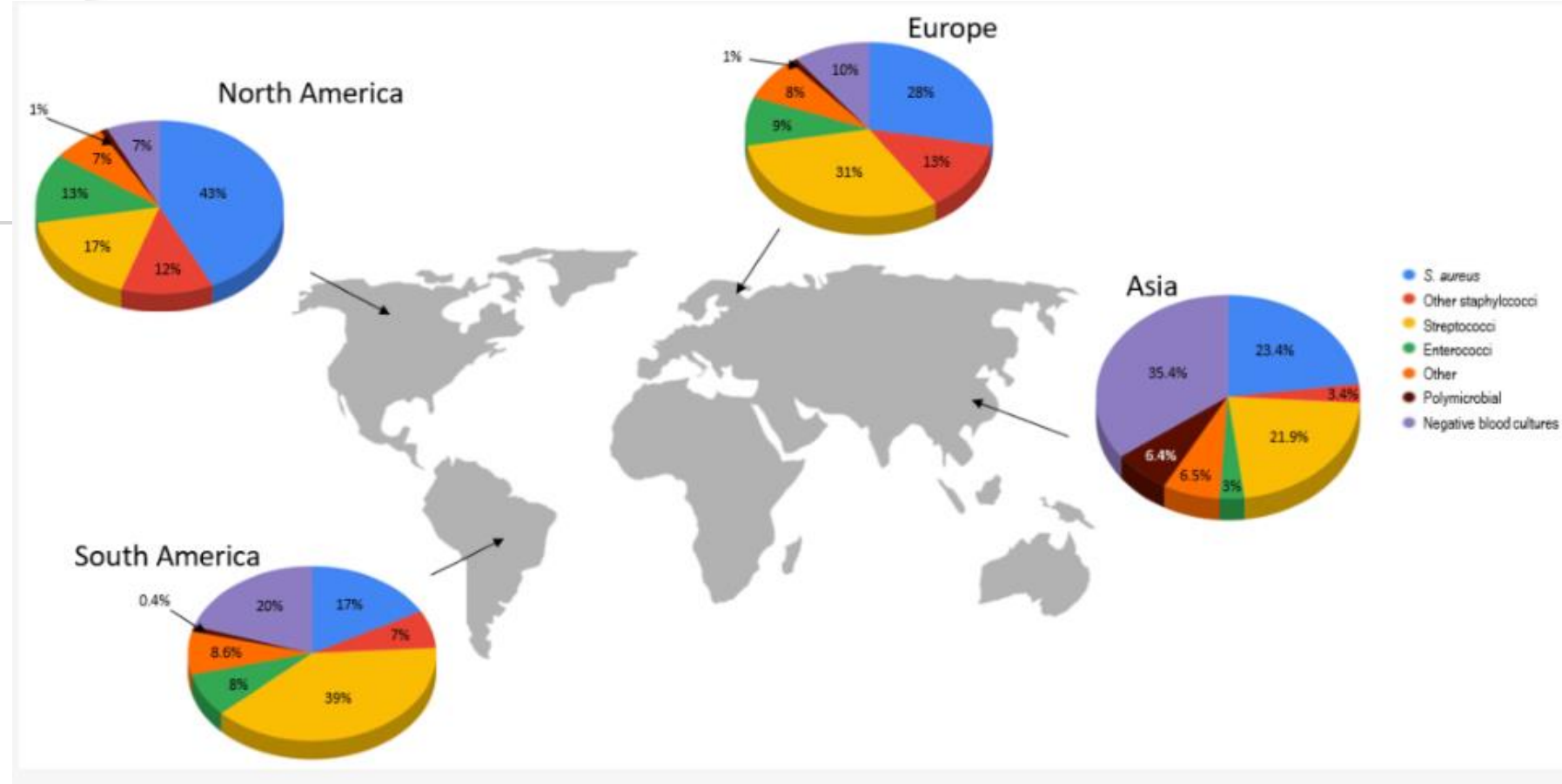
# Mezinárodní

Endokarditida:

- ampicilin + oxacilin

Purulentní meningitida:

- cefotaxim + ampicilin



# Jak přežít sepsi?

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- “Hit first. Hit hard. Keep on hitting” Jacky Fisher (1841-1920)
- hledejte i u pacienta
- nebojte se „základních“ antibiotik
- re-evaluace



**Title** Guinea pig Teddi. Antibiotics free food  
**Name** Olena Marynych