



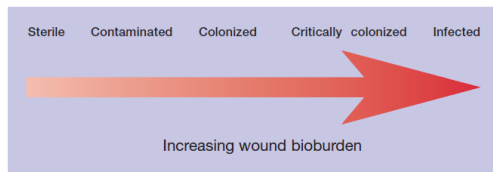
Er sárið sýkt?

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Smitsjúkdómadeild LSH

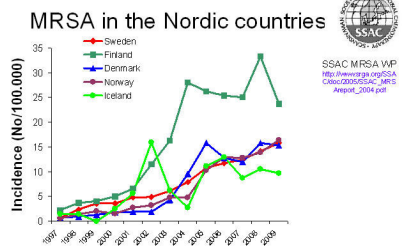
Sýkt vs ósýkt

Sýklalyf vs ekki sýklalyf

Sýklaróf sára



Sýklalyfjaónæmi vex



Hlutfall ónæmra stofna (I og R) Enterobacteriaceae áðr en E.coli

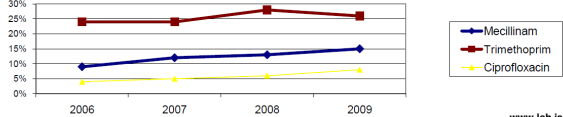
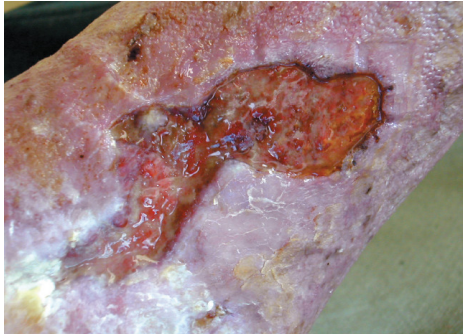


Table 1. Antimicrobial susceptibility patterns of *A. baumannii* isolated from medical centres in Turkey (SENTRY Program 2000-2006)

Antimicrobial agent	All sites, all years (n=523)		% Susceptible**		
	MIC ₅₀ (µg ml ⁻¹)	MIC ₉₀ (µg ml ⁻¹)	Azide (n=38)	Susceptible (n=30)	
Imipenem	4	>8	52.6	51.3	27.8
Mergonem	4	>16	52.5	51.5	27.8
Amikacin/Valbactam	32	>32	25.5	26.2	4.3
Piperacillin/tazobactam	>64	>64	21.2	25.2	5.2
Aztreonam	>16	>16	6.9	7.7	2.8
Ciprofloxacin	>4	>4	26.6	25.8	5.2
Levofloxacin	>4	>4	32.7	28.2	5.2
Gentamicin	>8	>8	24.6	23.1	2.8
Tobramycin	16	>16	43.9	45.6	23.8
Colistin	>8	>8	35.5	33.9	5.8
Telavancin/Clavulanic acid	>2	>2	39.1	33.1	39.4
Polymixin B	6.1	6.1	99.2	100.0	100.0
Topotecan	6.5	2	99.6	100.0	100.0

*Susceptibility criteria were those of CLSI M100-S18 (12/06, 2006).
**Includes resistance to 2009 only.
***ESV EMA susceptibility breakpoint (<2 µg ml⁻¹) approved for indicated *Zenobacter* species was used for comparison purposes only.

Mikilvægt að greina sýkt frá ósýktum sárum!



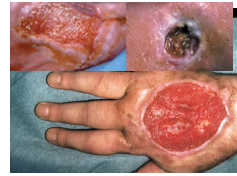
Cutting & White, WoundCare, March 2004

Traditional criteria

1. Abscess
2. Cellulitis
3. Discharge
 - (a) Serous exudate with inflammation
 - (b) Seropurulent
 - (c) Haemopurulent
 - (d) Pus

Suggested additional criteria

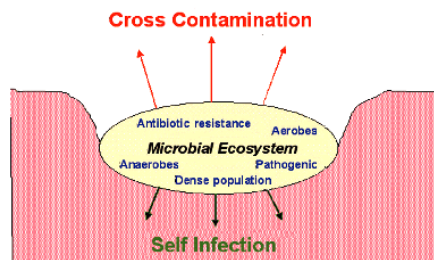
4. Delayed healing (compared with normal rate for site/condition)
5. Discoloration
6. Friable granulation tissue which bleeds easily
7. Unexpected pain/tenderness
8. Pocketing at base of wound
- 8(a). Bridging at base of wound
9. Abnormal smell
10. Wound breakdown



Cutting & Harding 1994

•Laparotomia:
•(UM x 1,19) +3,6 d
•Sin pill sár:
•(UM x 1,23) + 4,3 d
•Húðnám í höfðandi:
•(UM x 0,76) + 6,7 d
(Marks et al 1998)

Sýklaræktun gefur mikilvægar upplýsingar!



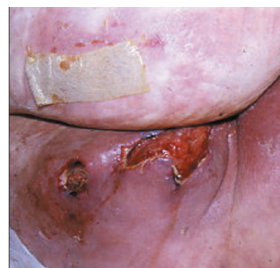
Teikn um sýkingu í fótasári hjá sykursjúkum

- Heitur þroti
- Roði
- Sogæðabólga
- Slæm lykt
- Hersli
- Sótthiti og kerfiseinkenni
- Verkur
- Marrandi húðnetjubólga
- Myndun gangs (sinus formation) í sári
- Beinsýking
- Húðnetjubólga
- Opð inn að beini (probing to bone)

• 2 eða fleiri gefa sýkingu til kynna

Teikn um sýkingu í þrýstingsári

- Roði
- Bjúgur
- Verkur – breyting á verk*
- Óeðlileg lykt
- Breytilegur litur í sári (discoloration)
- Aukið magn sárasafa
- Seinkaður gróandi



* Í sjúklingum með MS er verkur ekki teikn um sýkingu

Sýkingar í 1^o eða 2^o skurðsárum

Table 5. Signs of infection of acute/surgical wounds

Primary closed wounds
• Abscess ^a
• Cellulitis ^a
• Discharge (serous exudate with inflammation, seropurulent, haemopurulent, pus) ^a
• Delayed healing ^a
• Discolouration ^a
• Unexpected pain/tenderness ^a
• Bridging of the epithelium or soft tissue ^a
• Abnormal smell ^a
• Wound breakdown ^a
Wounds healing by secondary intention
• Abscess/pus ^a
• Heat ^a
• Oedema ^a
• Erythema ^a
• Cellulitis ^a
• Discharge (serous exudate with inflammation, seropurulent, haemopurulent, pus) ^a
• Delayed healing ^a
• Discolouration ^a
• Friable granulation tissue which bleeds easily ^a
• Unexpected pain/tenderness ^a
• Bridging of the epithelium or soft tissue ^a
• Pocketing at the base of wound ^a
• Abnormal smell ^a
• Wound breakdown ^a



Bláæðasárasýkingar

- Mislitun (discoloration)
 - Múrsteinsrauður (β -hæmolýtískur streptococcus)
 - Blá/grænn (*P. aeruginosa*)
 - Seinkaður sárgróandi
 - Aukin sermisleg útfærð
 - Húðnetjubólga (cellulitis)
 - Breyting á verk í sári
- Hafa hugfast að lipodermatosclerosis og hæmosiderin geta breytt skynjun á sári



Sár í slagæðasárum

- Roði eða fjólublár blær umhverfis sár
- Verkur
- Aukin útfærð (exudate) úr sári
- Slæm lykt úr sári
- Preyfanlegt marr/gasmyndun í mjúkvefjum
- Hiti
- Proti

“Clinical signs and symptoms checklist”

- | | |
|-----------------------------|--|
| • Aukinn verkur í sári | • Seinkaður sárgróandi |
| • Roði | • Mislitun sárs |
| • Bjúgur | • Viðkvæmur gróandi vefur (friable granulation tissue) |
| • Hiti á sársvæði | • Vasamyndun í sárbotni |
| • Graftrarútfærð (purulent) | • Slæm lykt |
| • Blóðvatnsútfærð (serous) | • Niðurbrot á sári |

Gardner 2001