Case report

Patient, male 63 years old

mechanically ventilated for > 3 days
post-operative course

- non-smoker
- no immunosuppression
- no antibiotics

suspected of VAP

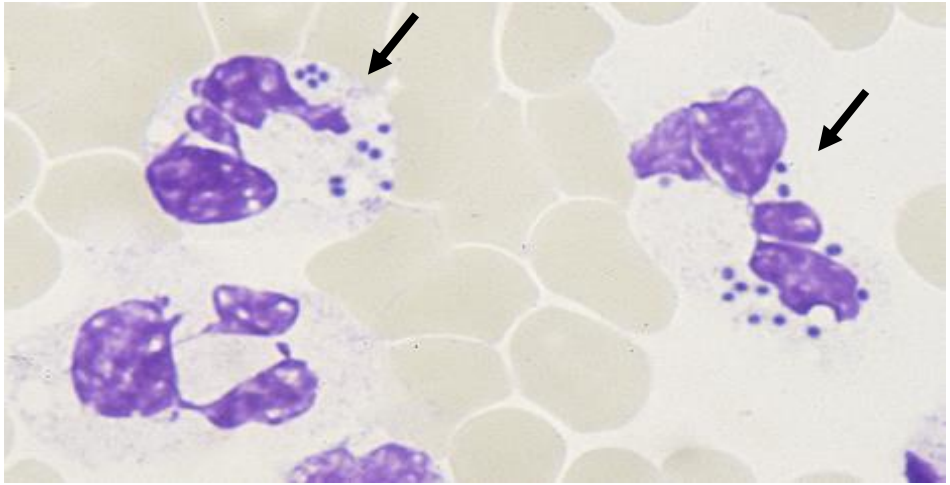
Patient, male 63 years old

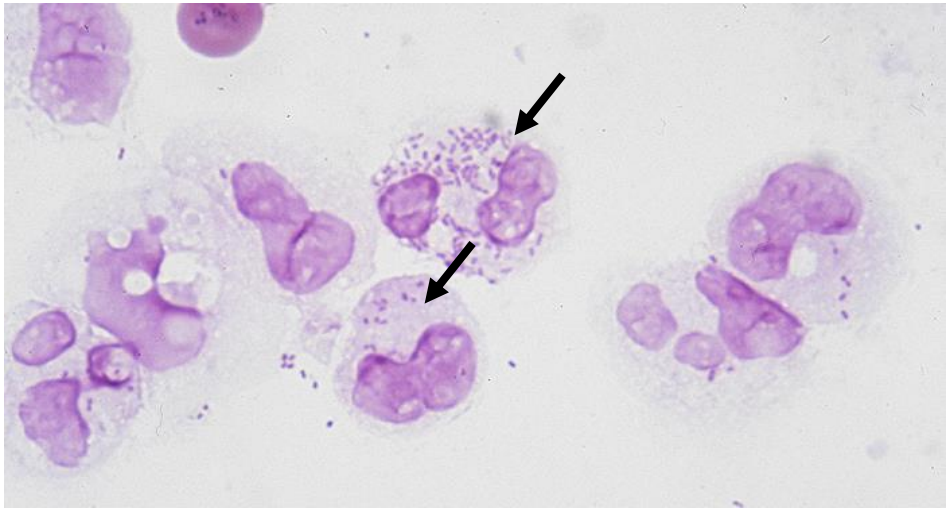
Recovered volume: 80 ml

Total cell count: 1,720,000 /ml

Am	2.2%	SEC 1/500
Lym	3.8%	BEC 2/500
PMN	94.0%	
Eos	0.0%	
Mc	0.0%	

May-Grünwald Giemsa





Gram

Patient, male 63 years old

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Mc	0.0%	

A certain cut-of value is used for intracellular micro-organisms in order to diagnose a ventilator-associated pneumonia (VAP).

This cut-of value is:

a. ≥ 2% ICO
b. ≥ 5% ICO
c. < 2% ICO
d. < 5% ICO

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Ventilator-Associated Pneumonia VAP

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SEC 1/500

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ICO 8%

Cut-off = 2%

To confirm the diagnosis ventilator-associated pneumonia infected cells can be used. These ICOs can be detected by certain stains.

These stains include:

a. Gram-stain

b. May-Grunwald Giemsa stain

c. Acridine Orange

d. all of the above

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ICO 8%

Cut-off = 2%

Culture: *Staphylococcus aureus* $\geq 10^5$ CFU/ml

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Mc	0.0%	**ICO 8%**

Cut-off = 2%

Cut-off = 10^4

Culture: *Staphylococcus aureus* $\geq 10^5$ CFU/ml

PhD theses dealing with BAL