

Light's criteria

Light's criteria to help decide whether a pleural effusion nature of **exudate** or **transudate**. **Total protein** concentration and **lactate dehydrogenase** activity in punctated effusion and blood serum are assessed.

Light criteria^[1]

	transudate	exudate
Total protein	effusion / serum < 0,5	effusion / serum > 0,5
Lactate dehydrogenase	effusion / serum < 0,6	effusion / serum > 0,6
		LDH in effusion > 2/3 of the serum standard

The physiological upper limit of the LDH standard for adult men and women is up to 4,10 $\mu\text{kat/l}$.^[2]

These criteria tend to "overestimate" exudates. In controversial cases, they are therefore supplemented by so-called **gradients**:

- $\text{Total protein}_{\text{serum}} - \text{total protein}_{\text{effusion}} > 31 \text{ g/l}$ indicates transudate;
- $\text{Albumin}_{\text{serum}} - \text{albumin}_{\text{effusion}} > 12 \text{ g/l}$ indicates transudate.

References

- ws: Lightova kritéria

Related Articles

- Pleural effusion

References

1. MAREL, Miloslav. Novinky v diferenciální diagnostice pleurálních výpotků. *Zdravotnické noviny* [online]. 2007, y. 56, no. 2, p. příloha Lékařské listy 23-29, Available from <<https://zdravi.euro.cz/clanek/priloha-lekarske-listy/novinky-v-diferencialni-diagnostice-pleuralnich-vypotku-287450>>. ISSN 1214-7664.
2. Jaroslav Racek et al.: Klinická biochemie, druhé, přepracované vydání, Galén, 2006

Kategorie:Biochemie Kategorie:Klinická biochemie Kategorie:Pneumologie