



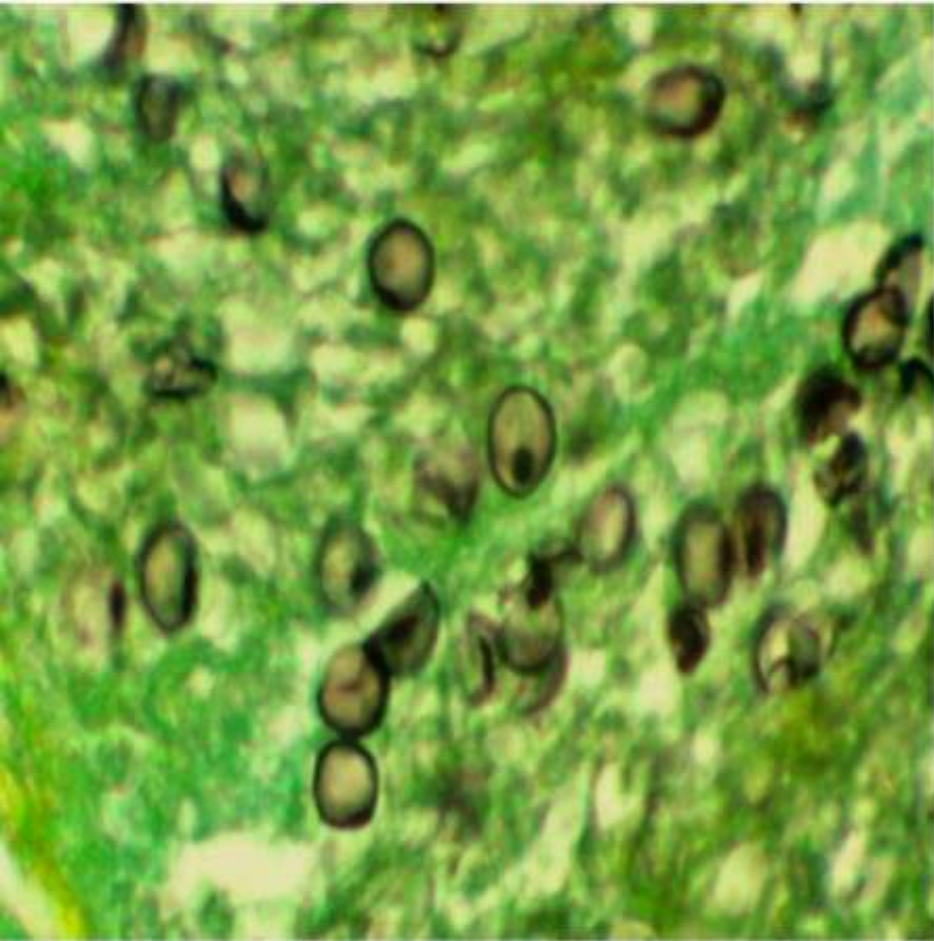
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## History in Nephrology

*Legends whose contributions inspire us even today!*

*Pneumocystis Pneumonia – PCP*

**Pneumocystis jirovecii**



 **Grocott-Gomori  
Methenamine Silver (GMS)  
stain**

- Highlights cyst walls in **black**
- Classic "**cup-shaped / crushed ping-pong ball**" appearance

- 1909: Carlos Chagas observed the organism in guinea pigs.
- 1951-1952: Otto Jirovec proved - it causes human pneumonia.

*"Pneumocystis pneumonia in humans was described by Otto Jirovec in 1952."*

1999: Human species officially named *Pneumocystis jirovecii* in honor of ***Otto Jirovec*** .

# Otto Jírovec



Dr. Otto Jirovec (1907 -1972)

Czech parasitologist who played a key role in identifying the organism responsible for Pneumocystis pneumonia (PCP) in humans

**Earlier, the organism in humans was incorrectly called  
Pneumocystis Carinii (the rat species)**

**Today the organism is known as  
Pneumocystis jirovecii**