



VALUTAZIONE DELL'ENDOTELIO CORNEALE

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Elisa Favaro, Maria Rosaria Pugliese**

**XI CORSO SIBO
Imola, 1 Aprile 2017**

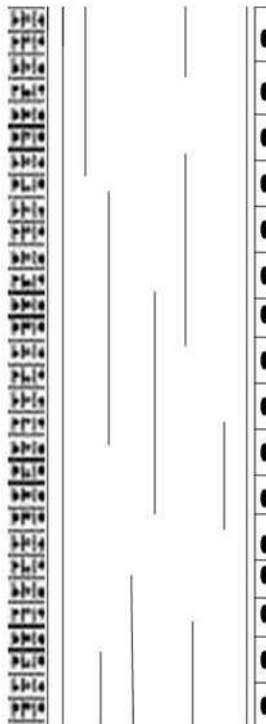
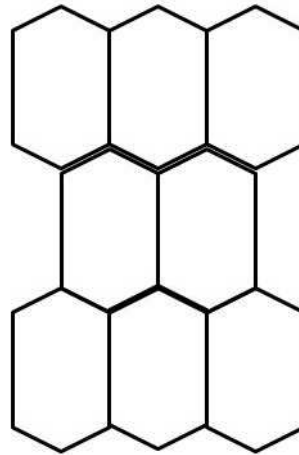
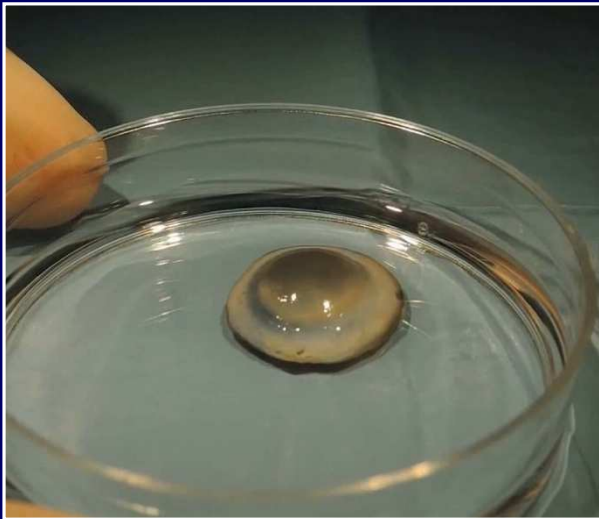
CONFLITTO DI INTERESSI

Io, Ruzza Alessandro non ho un alcun interesse e/o accordo finanziario o affiliazione con una o più organizzazioni che potrebbe essere percepita come un conflitto reale o apparente di interesse nel contesto del tema di questa presentazione.

VALUTAZIONE DELL' ENDOTELIO

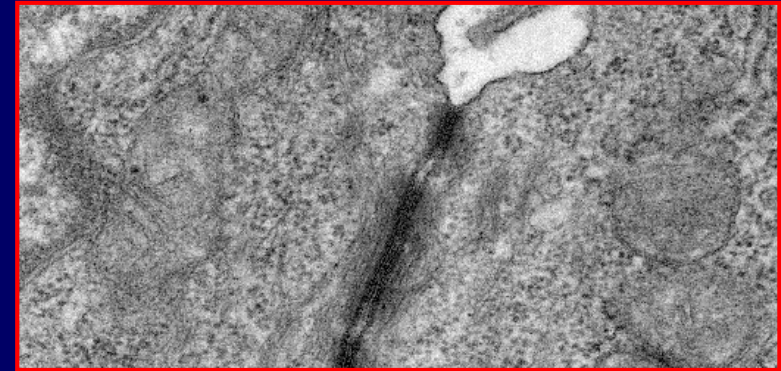
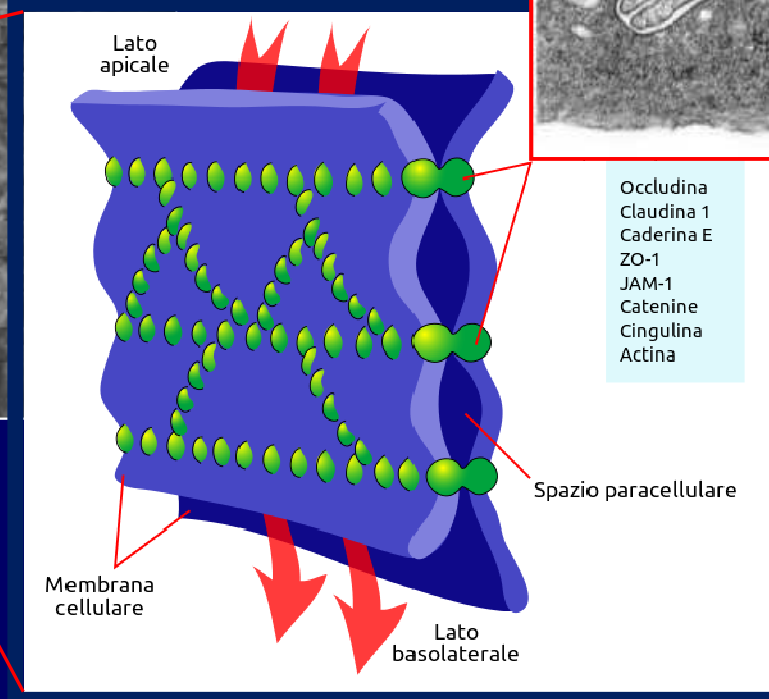
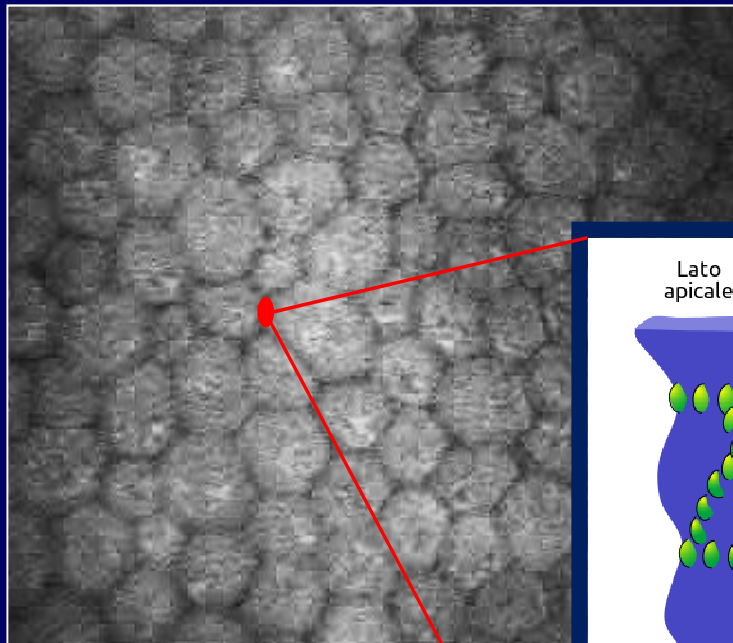
Soluzione d'analisi

- **Saccarosio 1,8%**



ENDOTELIO

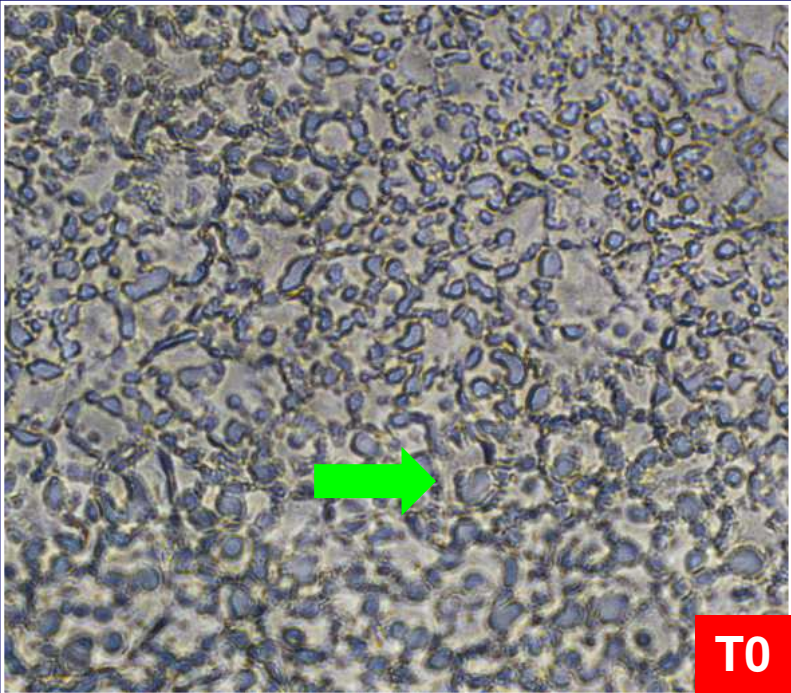
- Giunzioni cellulari serrate (Tight Junction)
- Proteine di membrana



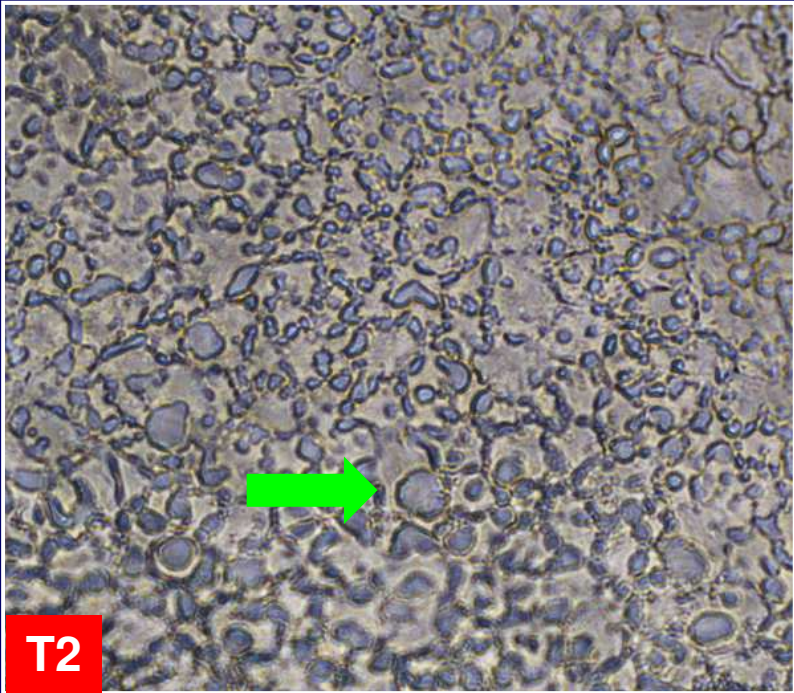
MORFOLOGIA CELLULARE

- Comparazione
 - Saccarosio 1,8% (SAC)
 - Nuova soluzione d'analisi (NSD)
- Cornee controlaterali (4°C e 31°C)
- Monitoraggio: 6 minuti di esposizione
- Punteggio:
 - 0 (margini non valutabili)
 - 10 (margini perfettamente valutabili)

MEM

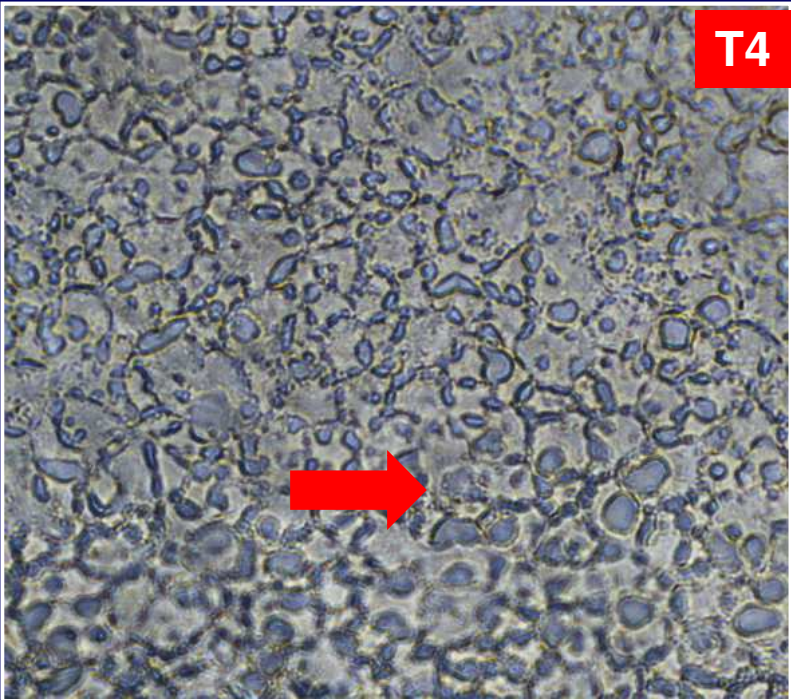


T0

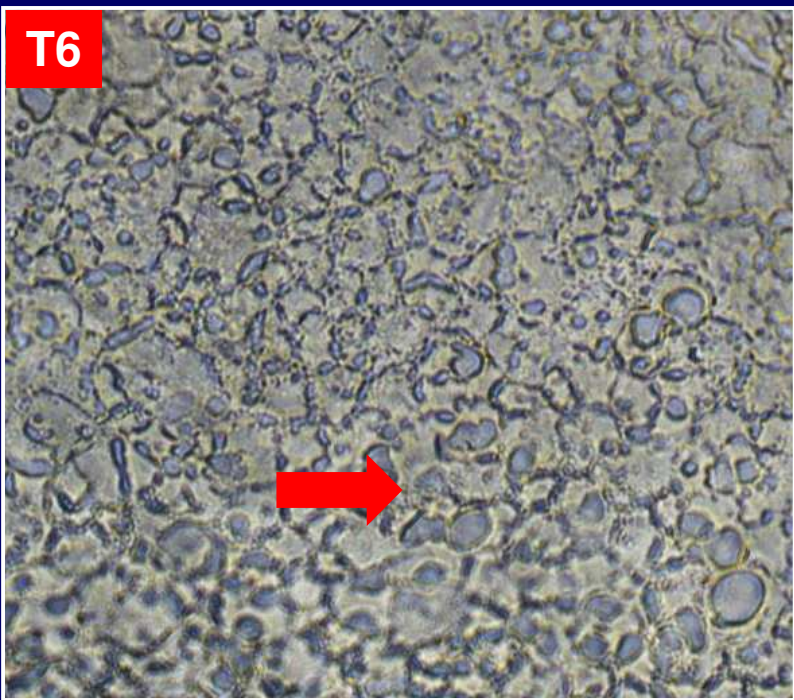


T2

SAC

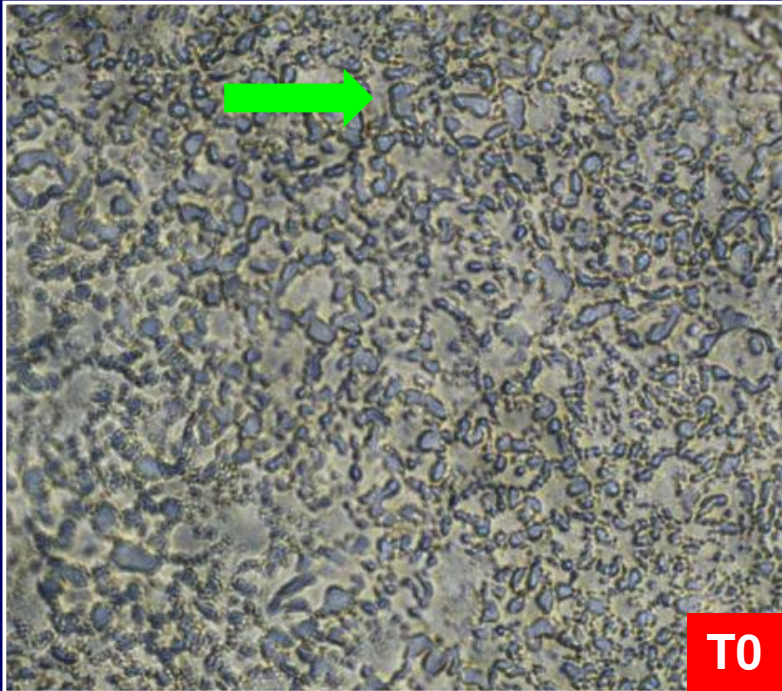


T4

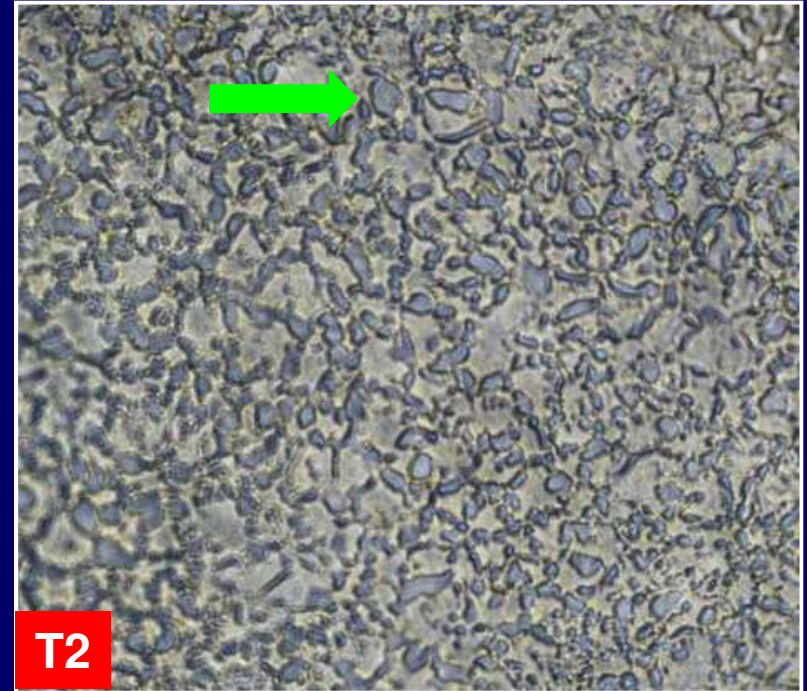


T6

MEM

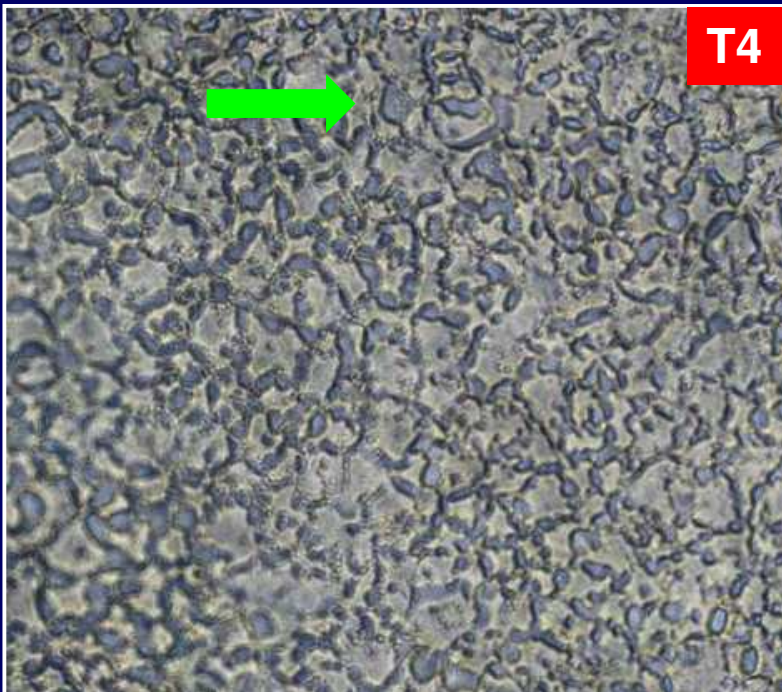


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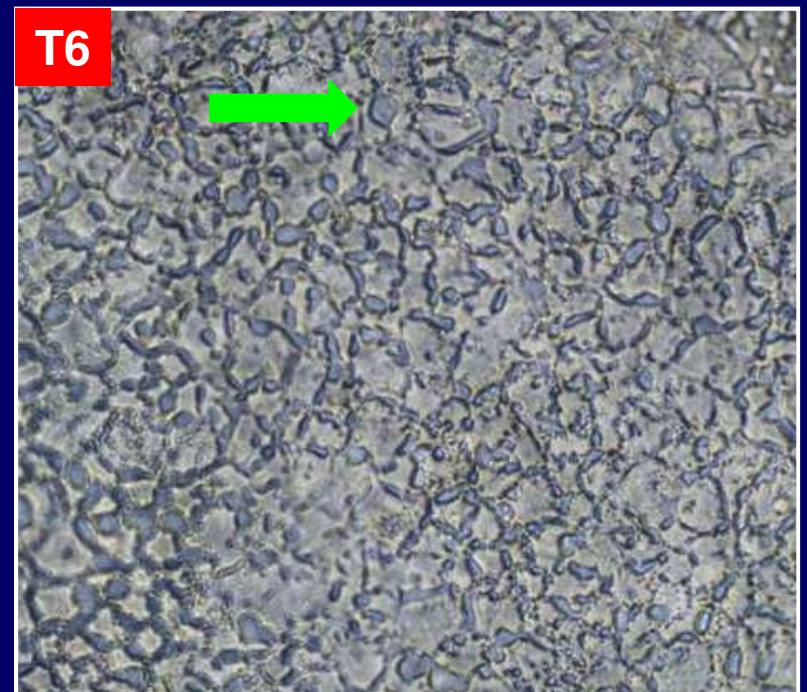


T2

NSD



T4



T6

RISULTATI

- **SACC**: Saccarosio 1,8%

- **NSD**: Nuova soluzione

d'analisi

- Da 1 a 6 min di esposizione

- **Score:**

- 0 (margini non valutabili)
- 10 (margini perfettamente valutabili)

COLD a 4°C

	n	media± dev.st
NSD	20	10
SAC	20	7,90±1,97

STORAGE a 31°C

	n	media± dev.st
NSD	12	10
SAC	12	8,5±1,73

MORTALITÀ CELLULARE

- **I° analisi:** morfologia cellulare



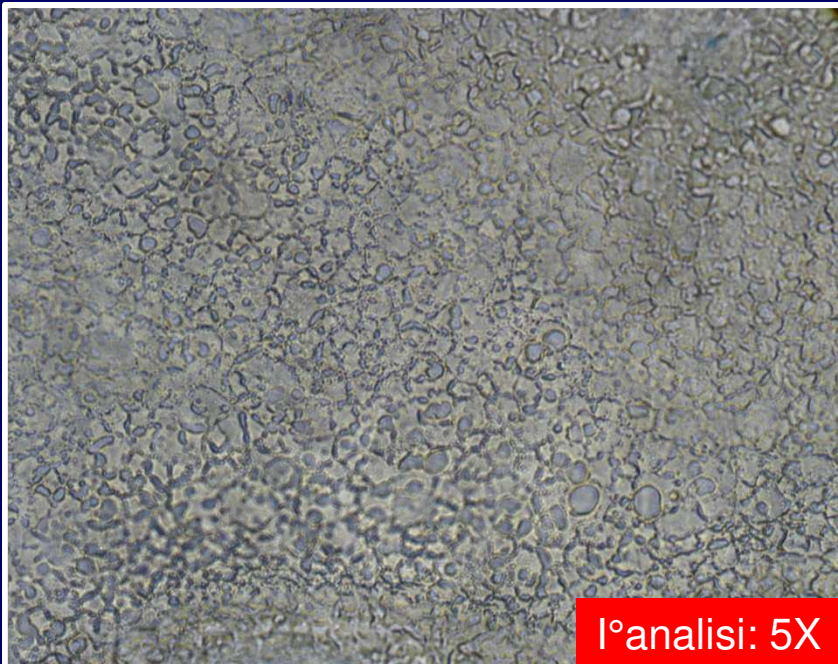
- Conservazione: 20 min (nel liquido di conservazione)



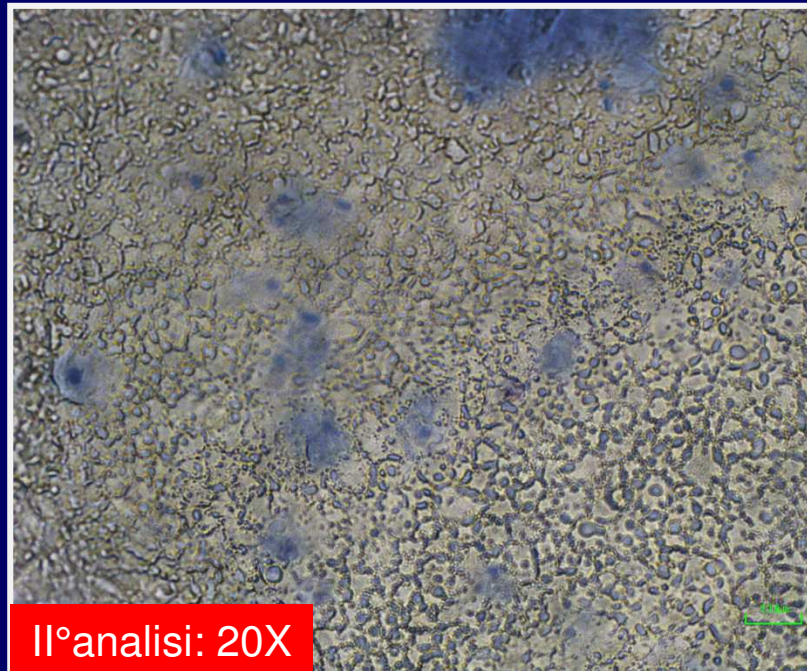
- **II° analisi:** Analisi con Trypan Blue

MEM

SAC

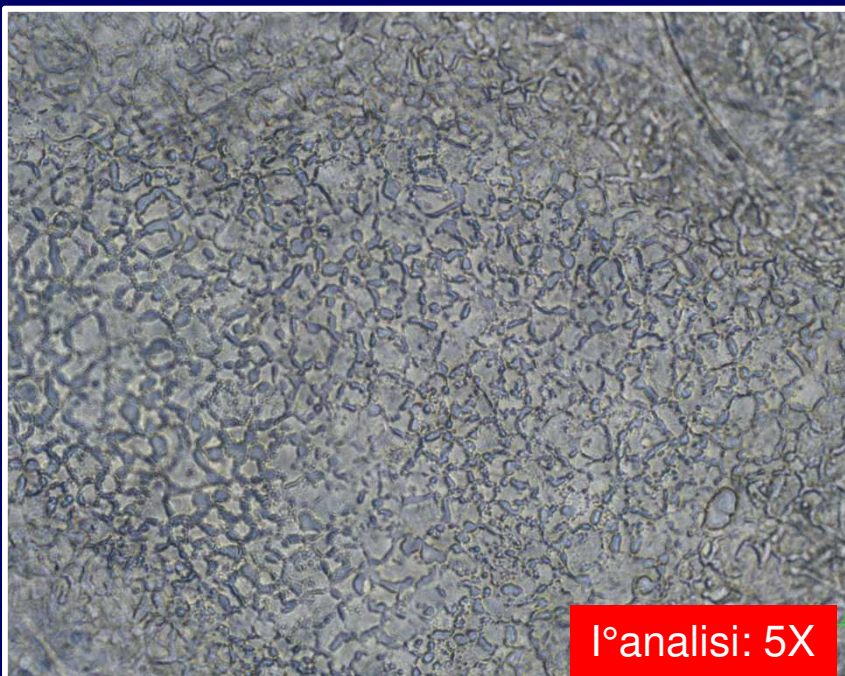


I°analisi: 5X

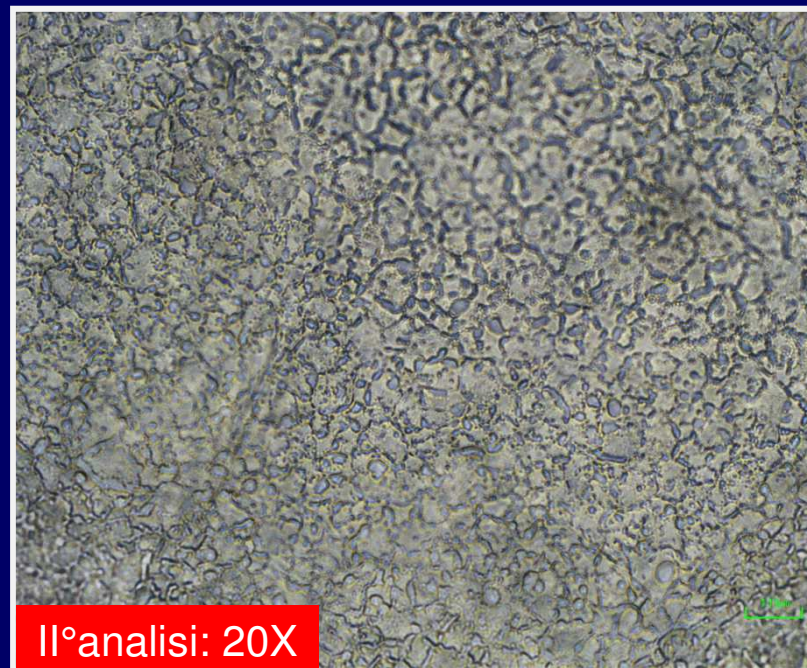


II°analisi: 20X

NSD



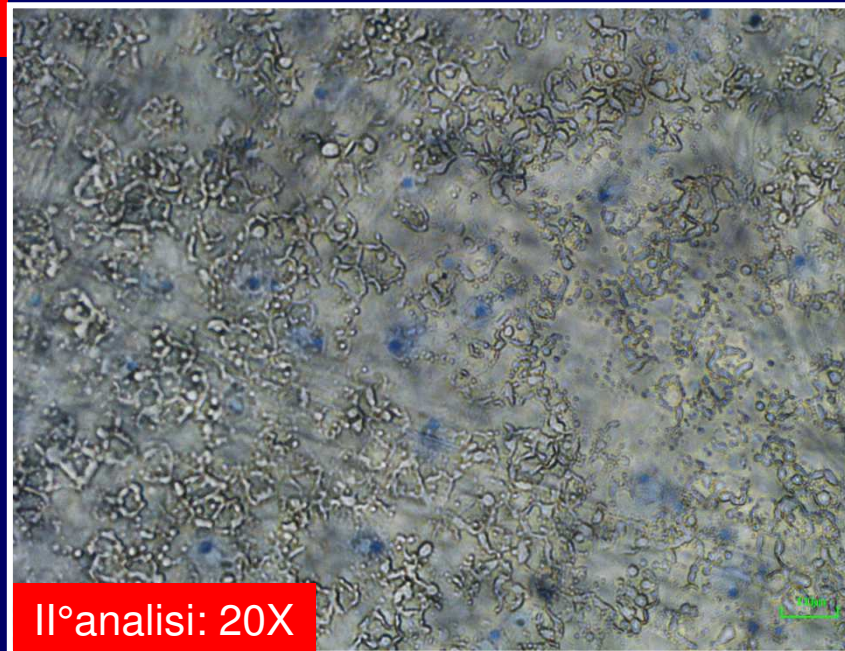
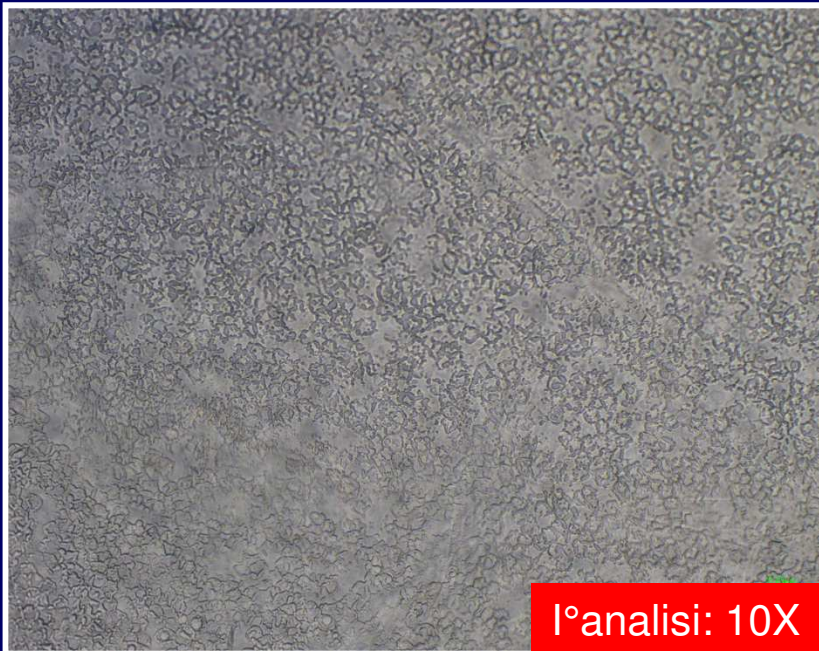
I°analisi: 5X



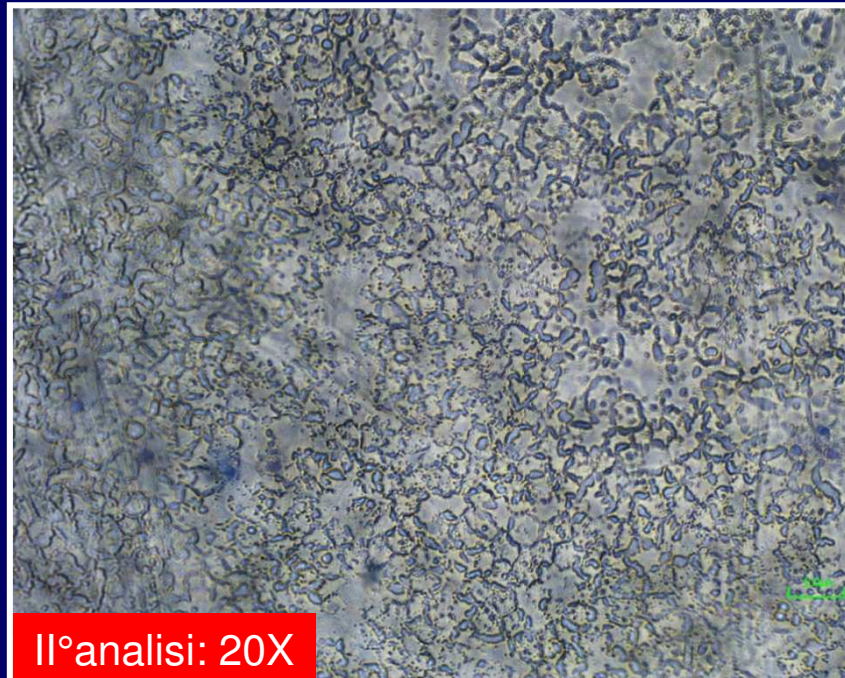
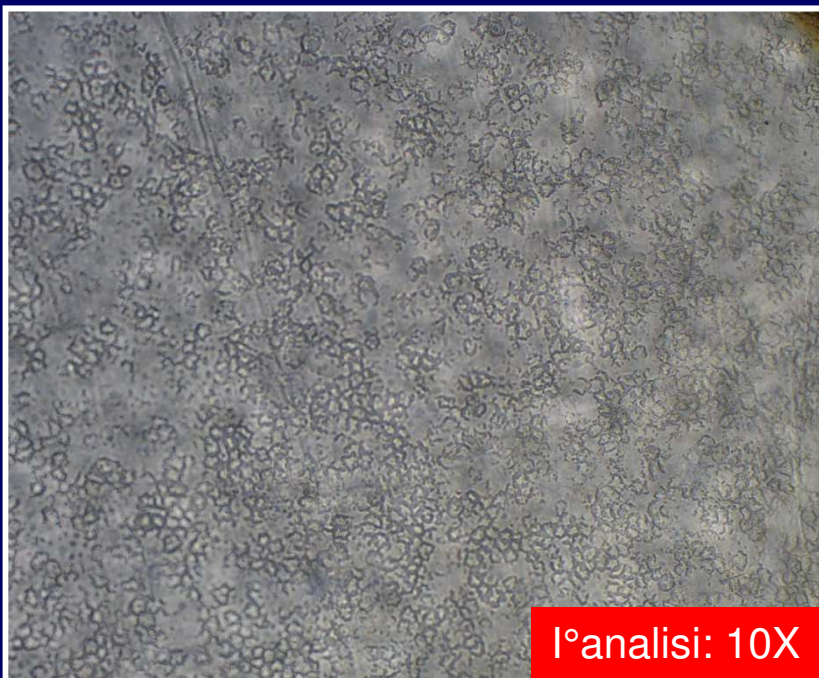
II°analisi: 20X

COLD

SAC



NSD



RISULTATI

- Mortalità cellulare: Mortalità diffusa (Cell Trypan Blue positive/mm²)

	Mortalità (%) Media ± dev.st		
	N	SAC	NSD
COLD	2	2	0
STORAGE (MEM)	12	2,75±1,72	0,17±0,41
TRANSPORT (MEM+Destrano)	2	1	0

CONCLUSIONI

- VALIDAZIONE nuova soluzione d'analisi
 - Morfologia
 - Miglioramento dei margini intercellulari durante la valutazione
 - Mortalità
 - Riduzione della mortalità diffusa

GRAZIE PER L'ATTENZIONE



Co-authors

- Mattia Baruzzo
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