Detection in blood

Table 1: Correlation between DTC in bone marrow and CTC in blood

<table>
<thead>
<tr>
<th></th>
<th>DTC +</th>
<th>DTC -</th>
</tr>
</thead>
<tbody>
<tr>
<td>CTC +</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>CTC -</td>
<td>7</td>
<td>24</td>
</tr>
</tbody>
</table>

Conclusion

A combination of immunomagnetic tumor cell enrichment and a multi-gene RT-PCR is able to detect CTCs in ovarian cancer patients before and after chemotherapy.

This approach might help to identify molecular targets for alternative therapeutic interventions.

Due to the weak correlation between CTCs and DTCs we conclude that (1) the clinical relevance of those cells may be different and (2) that blood analysis cannot replace BM analysis at the moment but could give information complimentary to that obtained by DTCs.

References


