
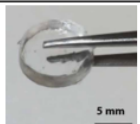

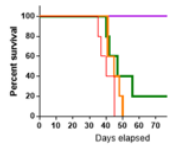
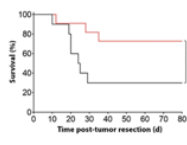
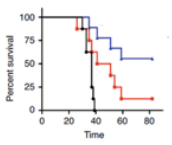
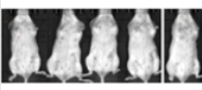
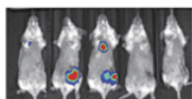
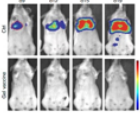

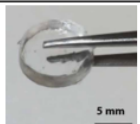

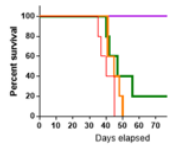
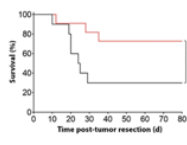
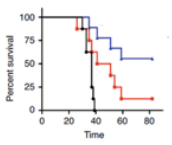
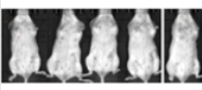
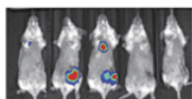
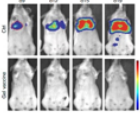

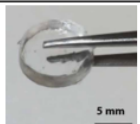

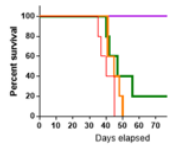
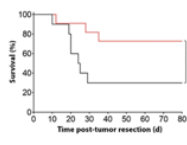
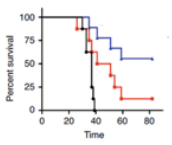
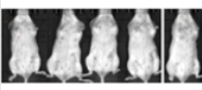
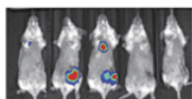
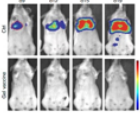


Development of an implantable anticancer drug for prevention of local tumor recurrence and eradication of existing metastases after tumor resection of triple-negative breast cancer(TNBC)

INTEROLIGO Corporation



ONCOLOGY	Lead																												
Product Type	Implantable Target Therapy																												
Indication	Triple-negative Breast Cancer (TNBC)																												
Target	Patients with Triple-negative Breast Cancer(TNBC) applied for tumor recurrence prevention and metastasis eradication after surgical operation																												
MoA(Mechanism of Action)	Prevention of local tumor recurrence and eradication of existing metastases after tumor resection of Triple-negative Breast Cancer(TNBC)																												
Competitiveness	<p>Most of the drugs known so far show that the survival rate after 70 days of the experimental animal is 60~70%. But our drug shows a 100% survival rate, and there has been no result showing such survival rate in animal experiments.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Institute</th> <th>Interoligo</th> <th>Dana-Faber Cancer Institute/Harvard Medical School</th> <th>Wyss Institute/Harvard University (Novatis)</th> </tr> </thead> <tbody> <tr> <td>Drug Implantation</td> <td>[Gem-aptamer]-loaded Collagen</td> <td>[STING-RR]-loaded Hydrogel</td> <td>[GM-CSF/CPG-oligonucleotide/Dox-iRGD Conjugate]-loaded Arginate Gel</td> </tr> <tr> <td>Formulation</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Survival rate</td> <td style="text-align: center;">100%</td> <td style="text-align: center;">70%</td> <td style="text-align: center;">60%</td> </tr> <tr> <td>Survival rate after 70 days after tumor resection and insertion</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Recurrence and metastasis</td> <td style="text-align: center;">Nor observed </td> <td style="text-align: center;">Partly occurred </td> <td style="text-align: center;">Partly occurred </td> </tr> <tr> <td>Ref.</td> <td style="text-align: center;">Not published</td> <td style="text-align: center;"><i>Sci. Transl. Med.</i>, 2018, 10, eaar1916</td> <td style="text-align: center;"><i>Nature Communications</i>, 2020, 11, 5696</td> </tr> </tbody> </table>	Institute	Interoligo	Dana-Faber Cancer Institute/Harvard Medical School	Wyss Institute/Harvard University (Novatis)	Drug Implantation	[Gem-aptamer]-loaded Collagen	[STING-RR]-loaded Hydrogel	[GM-CSF/CPG-oligonucleotide/Dox-iRGD Conjugate]-loaded Arginate Gel	Formulation				Survival rate	100%	70%	60%	Survival rate after 70 days after tumor resection and insertion				Recurrence and metastasis	Nor observed 	Partly occurred 	Partly occurred 	Ref.	Not published	<i>Sci. Transl. Med.</i> , 2018, 10, eaar1916	<i>Nature Communications</i> , 2020, 11, 5696
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Development Stage	Lead																												
Route of Administration	Implantation																												