



**Dr Julia Sen**

MEDICAL . SURGICAL . AESTHETIC

## **Polynucleotides**

### **What are polynucleotides?**

Polynucleotides are small fragments of DNA which can be injected through the skin in order to stimulate and increase in the number of fibroblasts (skin cells) which in turn produce more collagen and elastin, structural elements of the skin which keep skin healthy and promote a youthful appearance, helping to accelerate healing, increase hydration, firmness and reduce inflammation, an important cause of ageing changes.

Unlike dermal fillers they are not intended to add volume, although they can be used in combination with fillers and other interventions (both surgical and non-surgical) to enhance results and increase the longevity of the treatment benefits.

### **Where can polynucleotides be used?**

They can be used on any area of skin on the body but they are most commonly used rejuvenation of the face, neck, décolletage, eyelids and for reversing hair thinning.

### **What does Polynucleotide treatment involve?**

Polynucleotides are injected in very small amounts under the skin following application of local anaesthetic cream. Usually a course of 3 treatments is recommended 2-6 weeks apart for optimal results.

### **How soon should I expect to see results?**

New collagen production and new hair growth takes 3 months to manifest in visible results, however you may notice improved skin hydration after a few weeks following the start of your course of treatment.

### **What is the Downtime?**

Bruising and swelling are normal should be expected in the days following treatment.

### **Are there any Risks?**

Allergic reaction: rare

### **What are the Containdications:**

Pregnancy and breast feeding

Polynucleotides are harvested from trout gonads so are unsuitable for vegans and those with an allergy to fish.