**Electrotherapy application procedures**

**Research assignment and case study**

**Student name ……………………………………. Student number……………………………**

**Course name………………………………………course code…………………………………**

**Bases on your understanding of the research paper: please provide answers to the following questions aiming to provide step by step summary and critical analysis**

**1-What medical conditions did the patients present for care in current research paper?**

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**2-What target tissues are injured/diseased did the patients present for care in?**

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**3-What phase of injured/diseased did the patients present for care in?**

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**4-What are the potential physical symptoms/problems the patients present for care in?**

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**5-What are the E-stimulation modalities’ indications and contradictions?**

**Please: list about 5 conditions in each section**

|  |  |
| --- | --- |
| **Indications** | **Contraindications** |
| **1-**  **2-**  **3-**  **4-**  **5-**  **6-**  **7-**  **8-** | **1-**  **2-**  **3-**  **4-**  **5-**  **6-**  **7-**  **8-** |

**6-What are the objective/goals of treatment protocol used in the current case?**

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**7-Why would the selected E-stimulation modalities appropriate for this case?**

**Please: provide justifications (rational) for selected E-stimulations modalities and treatment protocol**

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**8-What are the parameters of the E-stimulation used in the current research paper?**

**Descript step by step procedures to apply this technique?**

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| **No** | **Parameters of the E-stimulation** | | **Evaluations** | | |
| **0** | **1** | **2** |
| **Position of patients during treatment:** | |  |  |  |  |
| **Treatment parameters** | |  |  |  |  |
| **1** | **Types of E-stim-current** |  |  |  |  |
| **2** | **Waveforms** |  |  |  |  |
| **3** | **Frequency** |  |  |  |  |
| **4** | **Pulse durations** |  |  |  |  |
| **5** | **Current intensity** |  |  |  |  |
| **6** | **On time /off time** |  |  |  |  |
| **7** | **Total treatment time** |  |  |  |  |
| **8** | **Number of treatment session/week** |  |  |  |  |
| **9** | **Total treatment sessions** |  |  |  |  |
| **Electrodes placement/specifications** | |  |  |  |  |
| **10** | **Types** |  |  |  |  |
| **11** | **Placement** |  |  |  |  |
| **12** | **Configurations** |  |  |  |  |
| **Application procedures** | |  |  |  |  |
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