```json
{
    "query": {
        "bool": {
            "must": [
                {
                    "multi_match": {
                        "query": "{{Disease}}",
                        "fields": [
                            "text",
                            "mesh_terms"
                        ],
                        "tie_breaker": 0.4,
                        "type": "best_fields",
                        "boost": 1.5
                    }
                },
                {
                    "bool": {
                        "should": [
                            {
                                "multi_match": {
                                    "query": "{{Gene}}",
                                    "fields": [
                                        "text",
                                        "mesh_terms"
                                    ],
                                    "tie_breaker": 0.4,
                                    "type": "cross_fields",
                                    "boost": 1
                                }
                            }
                        ]
                    }
                }
            ],
            "should": [
                {
                    "multi_match": {
                        "query": "{{gender}}",
                        "fields": [
                            "mesh_terms"
                        ],
                        "tie_breaker": 0.4,
                        "type": "best_fields",
                        "boost": 1
                    }
                }
            ]
        }
    }
}
```

}