**DOB Formatting in AspergillosisEPR**

1. **Initial patients\_dataTable Load**

Patients\_dataTable populated by call to "url": "/DataTablePatients/Load",

The data is read by a LINQ query QueryPatientsData() and the DOD is converted by:

DOB = DateHelper.DateTimeToUnixTimestamp(patient.DOB)

The data is returned by a call to

return JSONFromData(GetPaginatedData());

back in the Patients.js file the date of birth is formatted by:

return moment.unix(data).format("DD/MM/YYYY");

in the render function

Patient patient = await \_patientManager.FindPatientWithRelationsByIdAsync(id);

1. **Edit a patient:**

**In PatientsController /Patients/Edit?id**

public async Task<IActionResult> Edit(int? id)

{

if (id == null)

{

return NotFound();

}

Patient patient = await \_patientManager.FindPatientWithRelationsByIdAsync(id);

LoadReleatedMedicalTrials(patient);

LoadRelatedDrugLevels(patient);

Patient patient = await \_patientManager.FindPatientWithRelationsByIdAsync(id);

1. **DOB in /Models/Patient.cs**

[Required]

[DataType(DataType.Date)]

[DisplayFormat(DataFormatString = "{dd-MM-yyyy}")]

public DateTime DOB { get; set; }

1. **PatientManager is where getting the data happens**

namespace AspergillosisEPR.Lib

{

public class PatientManager

{

private readonly AspergillosisContext \_context;

public HttpRequest Request { get; set; }

public PatientManager(AspergillosisContext context, HttpRequest Request)

{

\_context = context;

}

public PatientManager(AspergillosisContext context)

{

\_context = context;

}

public async Task<Patient> FindPatientWithRelationsByIdAsync(int? id)

{

return await \_context.Patients

.Include(p => p.PatientDiagnoses).

1. **Pull up Patients edit Modal Form**

View: Views\Patients\Edit

@Html.Partial("~/Views/Patients/Edit/\_Edit.cshtml")

/Views/Patients/Edit/\_Edit.cshtml

This is the tabbed form

/Views/Patients/Edit/\_DetailsTab.cshtml

Patients details tab

<section class="col col-6">

<label asp-for="DOB" class="input">

<i class="icon-append fa fa-birthday-cake"></i>

<input asp-for="DOB" placeholder="Date of Birth">

<span asp-validation-for="DOB" class="text-danger"></span>

</label>

</section>

**DateHelper Class:**

namespace AspergillosisEPR.Helpers

{

public class DateHelper

{

public static double DateTimeToUnixTimestamp(DateTime dateTime)

{

return (TimeZoneInfo.ConvertTimeToUtc(dateTime) -

new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc)).TotalSeconds;

}

public static DateTime UnixTimeStampToDateTime(double unixTimeStamp)

{

System.DateTime dtDateTime = new DateTime(1970, 1, 1, 0, 0, 0, 0, DateTimeKind.Utc);

dtDateTime = dtDateTime.AddSeconds(unixTimeStamp);

return dtDateTime;

}

}

}

From initializePatientSearch in Patients.js

if (jsonResponse.dob !== null) {

$("input#DateOfBirth").val(moment(jsonResponse.dob).format("DD/MM/YYYY"));

}